ADITYA COLLEGE OF ENGINEERING

Permanently Affiliated to JNTUK, Kakinada; Accredited by NAAC;
Recognized under Sections 2(f) and 12 (B) of the UGC Act

Electrical & Electronics Engineering

SELF ASSESSMENT REPORT

INDEX

Part A – Institutional Information

1 Name and Address of the Institution : Aditya College of Engineering,
Aditya College of Engineering,
Aditya Nagar, ADB Road, Surampalem

2 Name and Address of Affiliating University : JNTUK Kakinada

3 Year of establishment of the Institution : 2008

4 Type of the Institution : Affiliated

☐ University	☐ Autonomous
☐ Deemed University	☑ Affiliated
☐ Government Aided	

5 Ownership Status : Self Financing, Society

☐ Central Government	☐ Trust
☐ State Government	☑ Society
☐ Government Aided	☐ Section 25 Company
☑ Self financing	☐ Any Other(Please Specify)

6 Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of Institutions	Year of Establishment	Programs of Study	Location
Aditya College of Engineering & Technology	2004	Engineering, MCA, MBA & Diploma Courses	Surampalem
Aditya College of Pharmacy	2006	Pharmacy	Surampalem

7 Details of all the programs being offered by the institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
B Tech in Electrical & Electronics Engineering	UG	2008	2008	60	Yes	60	Applying first time	--	--	Yes	4

Sanctioned Intake for Last Five Years for the B.Tech in Electrical & Electronics Engineering	
Academic Year	**Sanctioned Intake**
2021-22	60
2020-21	120
2019-20	120
2018-19	120
2017-18	120
2016-17	120

M Tech in Power Electronics & Drives	PG	2013	2013	18	Yes	12	Eligible but not applied	--	--	No	2

Sanctioned Intake for Last Five Years for the M Tech in Power Electronics & Drives	
Academic Year	**Sanctioned Intake**
2021-22	12
2020-21	18
2019-20	18
2018-19	18
2017-18	18
2016-17	18

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Electrical & Electronics Engineering
2	Under Graduate	Engineering & Technology	Mechanical Engineering

9 Total number of employees in the institution:

A. Regular* Employees (Faculty and Staff):

Items	2021-22		2020-21		2019-20		2018-19	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	114	116	111	113	111	119	117	119
Faculty in Engineering (Female)	47	47	44	46	35	36	34	36
Faculty in Maths, Science & Humanities (Male)	34	35	29	30	25	26	29	30
Faculty in Maths, Science & Humanities (FeMale)	20	20	19	19	23	23	20	21
Non-teaching staff (Male)	66	66	64	65	61	62	60	61
Non-teaching staff (FeMale)	29	29	27	27	23	24	23	23

B. Contractual* Employees (Faculty and Staff):

Items	2021-22		2020-21		2019-20		2018-19	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)								
Faculty in Engineering (Female)								
Faculty in Maths, Science & Humanities (Male)								
Faculty in Maths, Science & Humanities (FeMale)								
Non-teaching staff (Male)								
Non-teaching staff (FeMale)								

10 Total number of Engineering Students:

Engineering and Technology- UG	☑ Shift1	☐ Shift2
Engineering and Technology- PG	☑ Shift1	☐ Shift2
Engineering and Technology- Polytechnic	☑ Shift1	☐ Shift2
MBA	☑ Shift1	☐ Shift2
MCA	☐ Shift1	☐ Shift2

Engineering and Technology- UG Shift-1

Items	2021-22	2020-21	2019-20	2018-19
Total no. of Boys	1728	1595	1672	1736
Total no. of Girls	696	583	526	618
Total	2424	2178	2198	2354

Engineering and Technology- PG Shift-1

Items	2021-22	2020-21	2019-20	2018-19
Total no. of Boys	34	33	19	28
Total no. of Girls	28	27	5	11
Total	52	60	24	39

Engineering and Technology- Polytechnic Shift-1

Items	2021-22	2020-21	2019-20	2018-19
Total no. of Boys	372	359	318	386
Total no. of Girls	58	46	27	21
Total	430	405	345	407

Engineering and Technology- MBA Shift-1

	2021-22	2020-21	2019-20	2018-19
Total no. of Boys	50	39	31	41
Total no. of Girls	53	42	50	62
Total	103	81	81	103

11 Vision of the Institution:

To induce higher planes of learning by imparting technical education with

- International standards
- Applied research
- Creative Ability
- Value based instruction

and to emerge as a premiere institute.

12 Mission of the Institution:

Achieving academic excellence by providing globally acceptable technical education by forecasting technology through

- Innovative Research And development
- Industry Institute Interaction
- Empowered Manpower

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Dr.A.Ramesh
Designation	Principal
Mobile No.	9000476662
Email ID	principal@acoe.edu.in

NBA Coordinator, If Designated

Name	Dr. Pullela SVVSR Kumar
Designation	Dean Academics and Administration
Mobile No.	9848163227
Email ID	dean.a_a@acoe.edu.in

PART B: Criteria Summary

Name of the Program: Electrical and Electronics and Engineering

Criteria No.	Criteria	Total Marks	Institute Marks
Program Level Criteria			
1	Vision, Mission and Program Educational Objectives	60	60
2	Program Curriculum and Teaching – Learning Processes	120	120
3	Course Outcomes and Program Outcomes	120	120
4	Students' Performance	150	94.25
5	Faculty Information and Contributions	200	166.51
6	Facilities and Technical Support	80	80
7	Continuous Improvement	50	50
Institute Level Criteria			
8	First Year Academics	50	44.55
9	Student Support Systems	50	50
10	Governance, Institutional Support and Financial Resources	120	120
Total		**1000**	**905.31**

Criterion 1	Vision, Mission and Program Educational Objectives	60

1. VISION, MISSION, AND PROGRAM EDUCATIONAL OBJECTIVES (60)

1.1 State the Vision and Mission of the Department and Institute (5)

(Vision statement typically indicates aspirations and Mission statement states the broad approach to achieve aspirations) (Here Institution Vision and Mission statements have been asked to ensure consistency with the department Vision and Mission statements; the assessment of the Institute Vision and Mission will be taken up in Criterion 10)

Vision Mission of the Institute:

Vision: To induce higher planes of learning by imparting technical education with

- International standards,
- Applied research,
- Creative Ability,
- Value based instruction and to emerge as a premiere institute

Mission: Achieving academic excellence by providing globally acceptable technical education by forecasting technology through

- Innovative Research And development
- Industry Institute Interaction
- Empowered Manpower

Vision Mission of the Department:

Vision: To be a leading department of Electrical Engineering Education and Research

Mission:

- Produce quality engineers by providing state of the art engineering facilities
- Impart skill based education and enhance knowledge on electric vehicles
- Organize professional, cultural and social activities with collaborations
- Promote training with institution and industry collaborations

1.2 State the Program Educational Objectives (PEOs) (5)

(State the PEOs (3 to 5) of program seeking accreditation)

PEO1 : To Excel in professional career by acquiring knowledge in Mathematics , Basic Sciences, Basic Electrical Sciences, Power Systems, Power Electronics and Electrical Drives

PEO2 : To induce the students to design electrical, electronic and computing systems that are innovative and socially acceptable

PEO3 : To Exhibit professionalism, ethical attitude, communication skills, team work in their profession and adapt to current trends in technology

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

(Describe where (Websites, curricula, posters etc.) the vision, mission and PEOs are published and detail the process which ensures awareness among internal and external stakeholders with effective process implementation)

(Internal stakeholders may include Management, Governing Board Members, faculty, support staff, students etc., and external stakeholders may include employers, Industry, alumni, funding agencies etc.)

The Vision, Mission of the institution, department and PEOs are communicated to faculty and students (newcomers) in the introductory meeting. Faculties are made aware through discussions in regular meetings and Departmental Academic Committee (DAC) meetings. Faculty includes Vision, Mission of the institute and the department and PEOs in their course file and communicates same to the students. The same are brought to the notice of the employers, parents, and alumni by through information brochure, departmental magazine/ newsletter and discussed in the parent- teacher meetings. In addition, Faculty Development Programs (FDP) on Outcome Based Education (OBE) are organized as and when necessary.

The Vision, Mission and PEOs are published in the following areas to ensure awareness among internal and external stake holders:

Table 1.1: Dissemination of Vision, Mission and PEO's

S. No.	Media Type	Location/ Stakeholders	Dissemination	Stakeholders
1	Electronic Media	Institute Website	http://acoe.edu.in/?p=Vision-Mission	Government Regulatory Bodies, Students Faculty/ Staff Employers Public Alumni Parents
3	Display Media	HOD Office	Display Posters	Students Faculty/Staff Parent
4		Departmental Staff Room	Display Posters	
5		Entrance of the Department	Display Posters	
6		Departmental Laboratories	Display Posters	Students Faculty/Staff
7		Departmental Library	Display Posters	
8		Department corridors	Display Posters	
9	Print Media	Department Notice Boards	Printed Page	Students Faculty/Staff
10		Course files	Printed Page	Faculty
11		Student Attendance	Printed Page	Faculty

		Registers		
12		Department Newsletter	Printed Page	Students Faculty/Staff Employer Alumni Parent
13	Dissemination	Faculty/Staff	In department meeting	Faculty/Staff
		Students	Class work, Seminars, Workshops, Meetings, Guest Lectures, Events	Students
		Parents	Parent meetings,	Parents
		Alumni	Alumni meet	Alumni
		Employer	Discussion with employer	Employer

1.4 State the process for defining the Vision and Mission of the department, and PEOs of the program (25)

(Articulate the process for defining the vision and mission of the department and PEOs of the program)

Steps for Defining Vision and Mission of the Department

The process for defining Vision and Mission of the Department was discussed in the various Department level meetings and it was formulated through a consultative process involving the stakeholders of the Department, the future scope of the Department and the societal requirements, as shown in Figure 1.4.1.

In formulating the Vision and Mission of the Department, the following steps are followed:

Step 1. Vision and Mission of the college and sample Vision & Mission statements of other institutions are taken as basis.

Step 2. Views are taken from the stakeholders of the Department such as students, alumni, faculty members, employers, and parents.

Step 3. The views about the Vision and Mission of the department are formulated by the Program Assessment Committee (PAC).

Step 4. The Department Committee (DC) reviews the Vision and Mission of the department and checks the consistency with the Vision and Mission of the Institute and finalizes the Vision and Mission of the department. If the statements are not consistent then it sends them to Department Advisory Committee (DAC) to conduct brainstorming session for refining the Vision and Mission statements.

Step 5. DAC recommendations are again discussed at DC and finalize Vision and Mission statements.

Step 6. With the approval from Principal, Vision and Mission statements of the department are published, displayed and disseminated among Stake Holders.

Process Chart

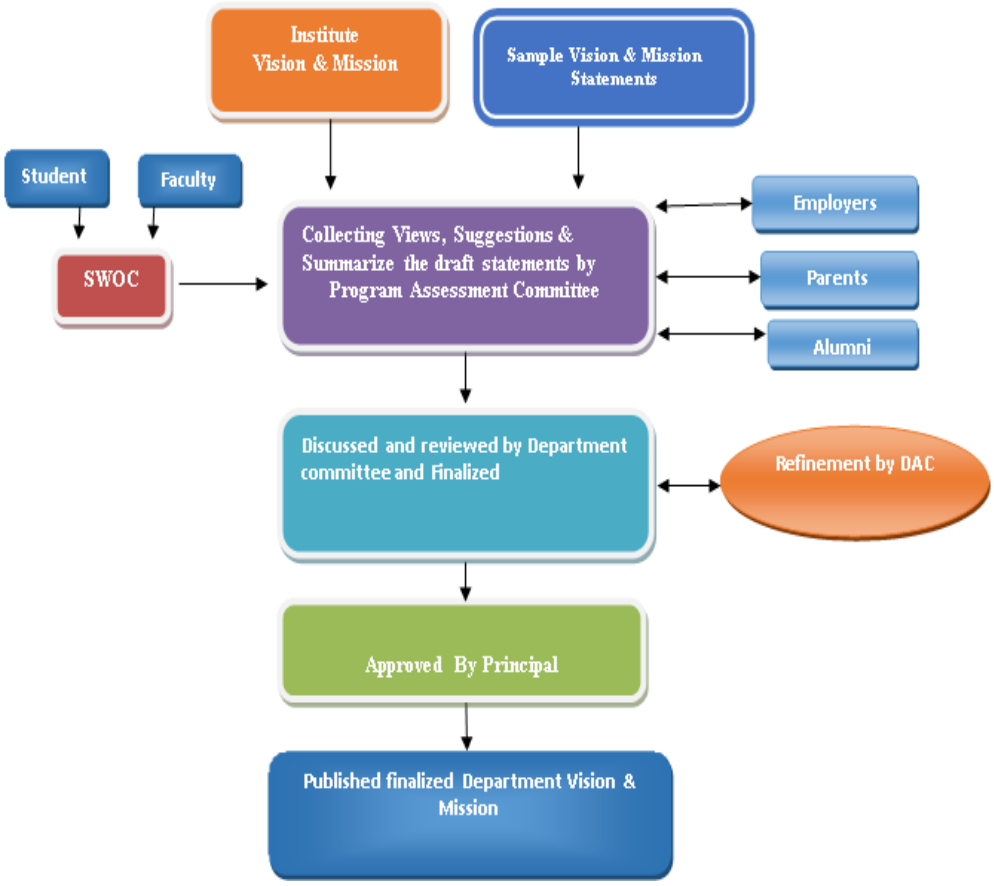


Figure 1.4 (a)

Steps for Defining Program Educational Objectives (PEOs) for the Program

Step 1. Vision and Mission of the college and sample Vision & Mission statements are taken as basis.

Step 2. Vision and Mission of the Department are taken as a basis to interact with various stakeholders.

Step 3. The Program Assessment Committee (PAC) collects the survey results of various stakeholders.

Step 4. On considering the views of the stakeholders, the PEOs are formulated by the PAC.

Step 5. The Department Committee (DC) reviews and the PEOs are presented before the Department Advisory Committee (DAC) for additional inputs to improvise the program.

Step 6. DAC revisions if any are discussed at the DC and finalizes PEO statements.

Step 7. With the approval from Principal, program PEOs were published, displayed & disseminated among stake holders.

Process Chart

Figure 1.4 (b)

1.5 Establish consistency of PEOs with mission of the department (15)

(Generate a "Mission of the Department – PEOs matrix" with justification and rationale of the mapping)

Note: M_1, M_2 and M_3 are distinct elements of Department mission statement. Enter correlation levels 1,2 or 3 as defined below:
1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
If there is no correlation, put "- ".

NOTE: In this document wherever the term "Process" has been used its meaning is process formulation, notification, and implementation. (*The assessment of the Institute Vision and Mission will be taken up in Criterion-10)*

Table 1.5 (a): Mapping of PEOs with Department Mission

MISSION/ PEO MATRIX	**MISSION element 1** Produce quality engineers by providing state of the art engineering facilities	**MISSION element 2** Impart skill based education and enhance knowledge on electric vehicles	**MISSION element 3** Organize professional, cultural and social activities with collaborations	**MISSION element 4** Promote training with institution and industry collaborations
PEO1: To Excel in professional career by acquiring knowledge in Mathematics , Basic Sciences, Basic Electrical Sciences, Power Systems, Power Electronics and Electrical Drives	3	3	2	3
PEO2: To induce the students to design electrical, electronic and computing systems that are innovative and socially acceptable	2	3	3	3
PEO3: To Exhibit professionalism, ethic al attitude, communication skills, team work in their profession and adapt to current trends in technology.	2	2	2	2

Table 1.5 (b): Mission of the Department – PEOs matrix" with justification and rationale of the mapping

MISSION/ PEO MATRIX	**MISSION element 1** Produce quality engineers by providing state of the art engineering facilities	**MISSION element 2** Impart skill based education and enhance knowledge on electric vehicles	**MISSION element 3** Organize professional, cultural and social activities with collaborations	**MISSION element 4** Promote training with institution and industry collaborations
PEO1: To Excel in professional career by acquiring knowledge in Mathematics , Basic Sciences, Basic Electrical Sciences, Power Systems, Power Electronics and Electrical Drives	3	3	2	3

JUSTIFICATION:

- The state-of-the-art facilities, the skill set (analytical and problem solving) provided in the institute is helping students to pursue a successful carrier in industries by following the University Curriculum. So Mission element 1 substantially supports PEO1.
- The conducive training and research environment provided in the institute is helping students to pursue a successful carrier in industries. So Mission element 2 substantially supports PEO1.
- The learning environment provided in the institute is designed to encourage ethical values and leadership abilities. So Mission element 3 substantially supports PEO1.
- The trainings provided to students help them to sustain a successful carrier in industries and contributing their ideology to the betterment of the Society . So Mission element 4 supports PE01

PEO2: To induce the students to design electrical, electronic and computing systems that are innovative and socially acceptable	2	3	3	3

JUSTIFICATION:

- The institute's environment with the state-of-the-art facilities is helping students to achieve personal and professional success with awareness, both as individuals and in team environments. So Mission element 1 substantially supports PEO2.
- The institute's foresight on electric vehicles and solar panels installation in the campus help the students to get thorough knowledge and become tailor made for industries. So Mission element 2 substantially supports PEO2.
- By providing the learning environment in the institute that encourages ethical values and leadership abilities in students helping them to contribute to the society. So Mission3 substantially supports PEO2.
- The professional training provided to the students will help them to enrich their skill set to reach the needs of the industry So Mission element 4 substantially supports PEO2.

PEO3: To Exhibit professionalism, et hical attitude, communication skills, team work in their profession and adapt to current trends in technology.	2	2	2	2

JUSTIFICATION:

- The institute's learning environment coupled with the Program Curriculum will lead students to reach global heights through continuous learning in their professional careers. So Mission element 1 substantially supports PEO3.
- The research oriented approach and the curriculum teaching delivery will help students to pursue their higher qualifications through which they can improve their global standards in value based living through continuous learning So Mission element 2 substantially supports PEO3.
- The institute's environment that encourages ethical values and leadership abilities in students with respect to fulfil and contribute to solve the societal problems So Mission element 3 substantially supports PEO3.
- The institute's technical and social collaborations help to nurture the students towards career advancements. So Mission element 4 substantially support PEO3

Criterion 2	Program Curriculum and Teaching–Learning Processes	120

2. PROGRAM CURRICULUM AND TEACHING – LEARNING PROCESSES (120)

2.1. Program Curriculum (20)

2.1.1. State the process used to identify extent of compliance of the University curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexure I. Also mention the identified curricular gaps, if any (10)

A. Process used to identify extent of compliance of University curriculum for attaining POs & PSOs

Aditya College of Engineering is permanently affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada. The Department of Electrical & Electronics Engineering follows the Curriculum as prescribed by the University for All the Programs. The Curriculum maintains a balance in the composition with courses covering Basic Science & Engineering, Humanities, Professional Courses and their allocation in Core courses, Electives, and Seminars & Project work. It was defined by the JNTUK, keeping in view of AICTE and UGC recommendations for distributing various components and meeting the learning outcomes. In total, about 160 credits are needed for a student to graduate with the Degree for the curriculum for the academic year 2019-20.The following table illustrates the list of courses prescribed the affiliated university (JNTUK) for the academic year 2019-20.

I Year- I Semester

S.No	Course Code	Subjects	Category	L	T	P	Credits
1	C111	English	HS	3	0	0	3
2	C112	Mathematics-I	BS	3	0	0	3
3	C113	Applied Chemistry	BS	3	0	0	3
4	C114	Programming for Problem Solving Using C	ES	3	0	0	3
5	C115	Engineering Drawing	ES	1	0	3	2.5
6	C116	English Lab	HS	0	0	3	1.5
7	C117	Applied Chemistry Lab	BS	0	0	3	1.5
8	C118	Programming for Problem Solving Using C Lab	ES	0	0	3	1.5
9	C119	Environmental Science	MC	3	0	0	0
Total Credits				**16**	**0**	**12**	**19**

I Year- II Semester

S.No	Course Code	Subjects	Category	L	T	P	Credits
1	C121	Mathematics– II	BS	3	0	0	3
2	C122	Mathematics– III	BS	3	0	0	3
3	C123	Applied Physics	BS	3	0	0	3
4	C124	Fundamentals of Computers	ES	3	0	0	3
5	C125	Electrical Circuit Analysis –I	ES	3	0	0	3
6	C126	Electrical Engineering Workshop	ES	0	0	3	1.5
7	C127	Applied Physics Lab	BS	0	0	3	1.5
8	C128	Communication Skills Lab	HS	0	1	2	2
9	C129	Engineering Exploration Project	PR	0	0	2	1
Total Credits				**15**	**1**	**10**	**21**

II Year- I Semester

S. No	Course Code	Subjects	Category	L	T	P	Credits
1	C211	Electrical Circuit Analysis-II	EE	3	--	--	3
2	C212	Electrical Machines-I	EE	3	--	--	3
3	C213	Electronic Devices and Circuits	ES	3	--	--	3
4	C214	Electro Magnetic Fields	EE	3	--	--	3
5	C215	Thermal and Hydro Prime movers	ES	3	--	--	3
6	C216	Managerial Economics & Financial Analysis	BS	3	--	--	3
7	C217	Thermal and Hydro Laboratory	ES	--	--	3	1.5
8	C218	Electrical Circuits Laboratory	EE	--	--	3	1.5
9	C219	Essence of Indian Traditional Knowledge	MC	3	--	--	0
Total Credits				**24**	**0**	**6**	**21**

II Year- II Semester

S. No	Course Code	Subjects	Category	L	T	P	Credits
1	C221	Electrical Measurements & Instrumentation	EE	3	--	--	3
2	C222	Electrical Machines-II	EE	3	--	--	3
3	C223	Digital Electronics	ES	3	--	--	3
4	C224	Control Systems	EE	3	--	--	3
5	C225	Power Systems-I	EE	3	--	--	3
6	C226	Signals and Systems	EE	3	--	--	3
7	C227	Electrical Machines-I Laboratory	EE	--	--	3	1.5
8	C228	Electronic Devices & Circuits Laboratory	EE	--	--	3	1.5
9	C229	Professional Ethics and Human Values	MC	3	0	0	0
Total Credits				**21**	0	**6**	**21**

III Year- I Semester

S. No	Course Code	Subjects	Category	L	T	P	Credits
1	C311	Power Systems-II	EE	3	--	--	3
2	C312	Power Electronics	EE	3	--	--	3
3	C313	Linear IC Applications	ES	3	--	--	3
4	C314	Digital Signal Processing	EE	3	--	--	3
5	C315	Microprocessors and Microcontrollers	EE	3	--	--	3
6	C316	Electrical Machines-II Laboratory	EE	--	--	3	1.5
7	C317	Control Systems Laboratory	EE	--	--	2	1
8	C318	Electrical Measurements & Instrumentation Laboratory	EE	--	--	3	1.5
9	C319	Socially Relevant Projects	MC	--	--	1	1
Total Credits				**15**	**0**	**9**	**20**

III Year- II Semester

S.No	Course Code	Subjects	Category	L	T	P	Credits
1	C321	Electric Drives	EE	3	--	--	3
2	C322	Power System Analysis	EE	3	--	--	3
3	C323	Data Structures	ES	3	--	--	3
4	C324	Digital Control Systems	EE	3	--	--	3
5	C325	**Elective –I**	EL	3	--	--	3
6	C326	**Open Elective-I**	OE	3	--	--	3
7	C327	Power Electronics Laboratory	EE	--	--	3	1.5
8	C328	Microprocessors & Microcontrollers Laboratory	EE	--	--	3	1.5
9	C329	Employability Skills	MC	3	--	--	0
Total Credits				**18**		**6**	**21**

IV Year- I Semester

S.No	Course Code	Subjects	Category	L	T	P	Credits
1	C411	Switch gear & Protection	EE	3	--	--	3
2	C412	OOPs through JAVA	ES	3	--	--	3
3	C413	Renewable Energy Systems	EE	3	--	--	3
4	C414	**Elective–II**	EL	3	--	--	3
5	C415	**Elective-III**	EL	3	--	--	3
6	C416	Linear & Digital IC Applications Laboratory	ES	--	--	2	1
7	C417	Power Systems & Simulation Laboratory	EE	--	--	2	1
		Industrial Training/Skill Development Programmes/Research Project	Project	--	--	2	1
8	C418	Project-I	Project			4	2
Total Credits				**15**	**0**	**10**	**20**

IV Year- II Semester

S.No	Course Code	Subjects	Category	L	T	P	Credits
1	C421	Power System Operation & Control	EE	3	--	--	3
2	C422	**Open Elective –II**	OE	3	--	--	3
3	C423	**Elective-IV**	EL	3	--	--	3
4	C424	Project-II	Project	--	--	16	8
Total Credits				**09**		**16**	**17**

Elective – I:

1. Digital IC Applications
2. Communication Systems
3. Computer Networks
4. Internet of Things applications to Electrical Engineering
5. VLSI Design 6. Cloud Computing

Elective – II:

1. Utilization of Electrical Energy
2. Data Base Management System
3. Advanced Control Systems
4. Electrical Machine Design
5. Hybrid Electric Vehicles
6. Swayam Course

Elective – III:

1. Operating Systems
2. Neural Networks &Fuzzy Logic
3. High Voltage Engineering
4. Energy Auditing and Demand Side Management
5. Data Analytics with Python
6. Swayam Course

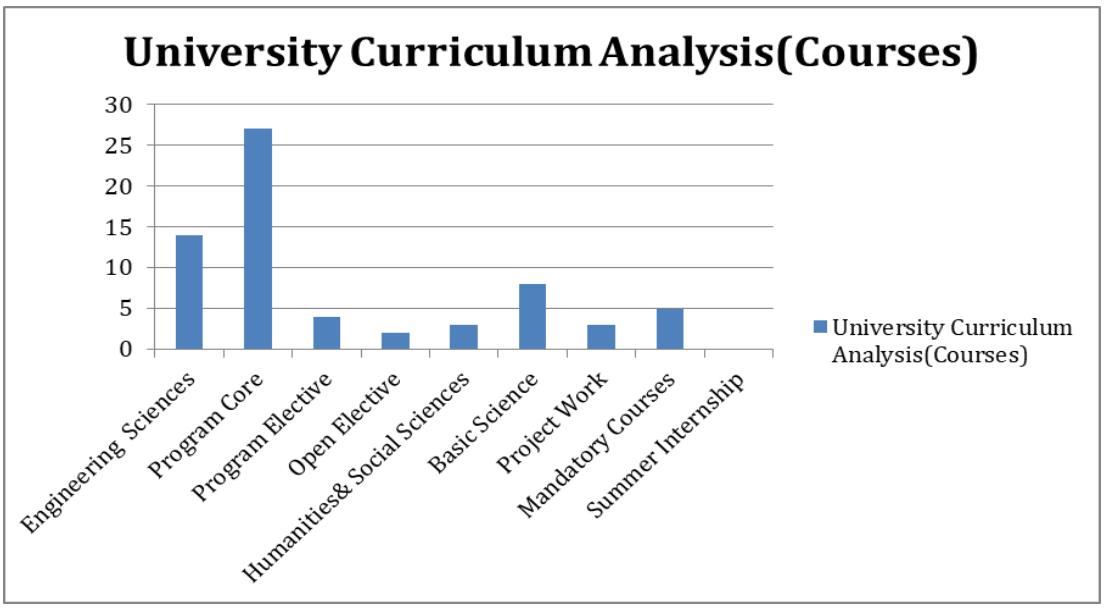
Elective – IV:

1. Electrical Distribution Systems
2. HVAC & DC Transmission
3. Flexible Alternating Current Transmission Systems
4. Power Quality
5. Smart Grid
6. Special Electrical Machines

University Curriculum Analysis:

University Curriculum maintains a balance in the composition of basic sciences, humanities and social sciences, professional courses and their distribution in program core and program elective offerings. The curriculum for the Electrical & Electronics Engineering program as prescribed by the University has:

Course Type	Number of Courses
Engineering Sciences courses	14
Program Core Courses	27
Program Elective Courses	4
Open Electives Courses	2
Humanities & Social Science Courses	3
Basic Science Courses	8
Mandatory Courses	5
Project Work	3



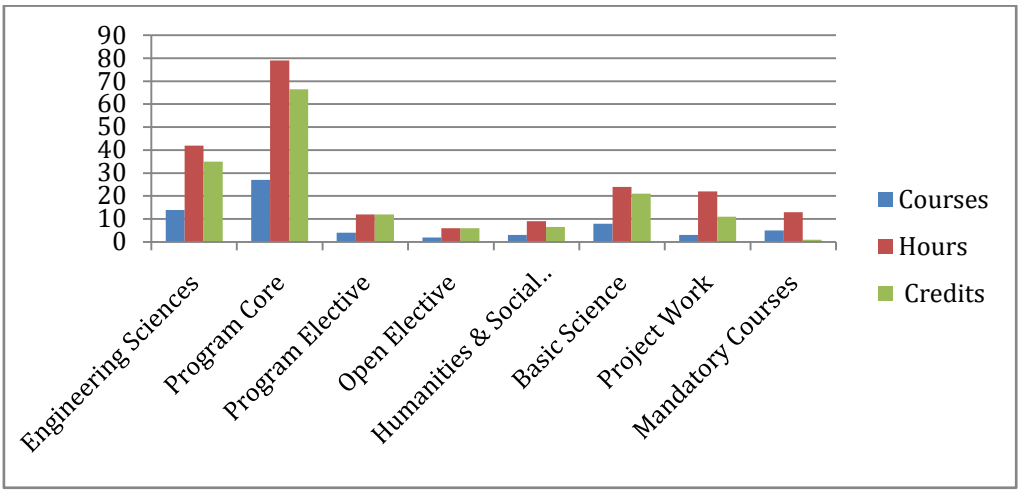
University Curriculum Analysis

The following table depicts curriculum analysis of R19 regulation of UG Program:

Academic Year: 2020-21 **Regulation: R19**

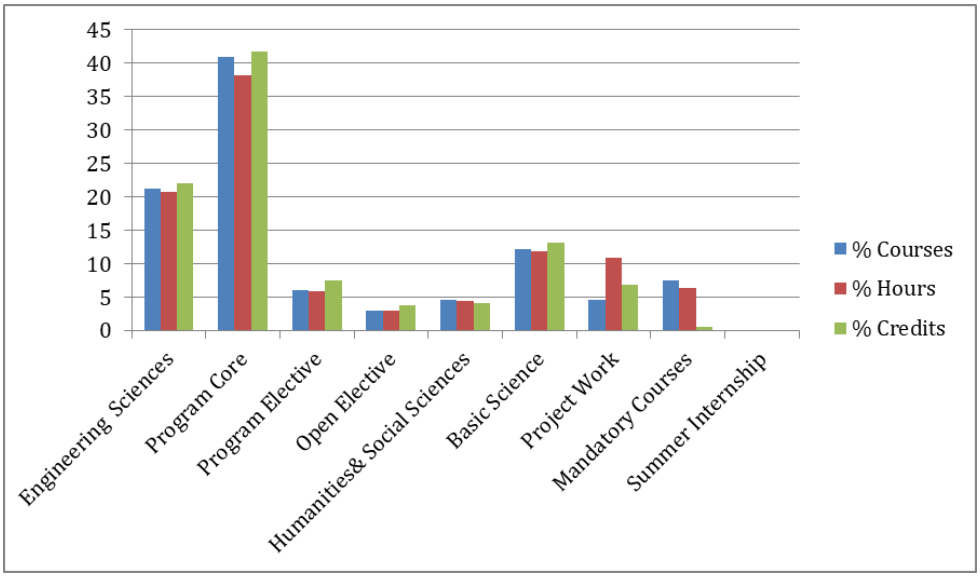
University Curriculum Analysis (Numbers)

Category	Courses	Hours	Credits
Engineering Sciences	14	42	35
Program Core	27	79	66.5
Program Elective	04	12	12
Open Elective	02	06	06
Humanities & Social Sciences	03	09	6.5
Basic Science	08	24	21
Project Work	03	22	11
Mandatory Courses	05	13	01



University Curriculum Analysis (Percentage)

Category	%Courses	% Hours	% Credits
Engineering Sciences	21.21	20.68	22.01
Program Core	40.90	38.16	41.82
Program Elective	6.06	5.911	7.5
Open Elective	3.03	2.95	3.77
Humanities & Social Sciences	4.54	4.43	4.1
Basic Science	12.12	11.82	13.21
Project Work	4.54	10.83	6.91
Mandatory Courses	7.57	6.40	0.6



Program Outcomes (POs):

Electrical and Electronics Engineering Graduates will be able to:

1. Engineering Knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem Analysis:

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society:
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability:
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics:
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work:
Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication:
Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance:
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning:
Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

Program Specific Outcomes (PSOs):

PSO 1:
Apply the fundamental knowledge of mathematics, science, electrical and electronics engineering to analyse and solve the complex problems in electrical, electronics and allied interdisciplinary areas.

PSO 2:
Design, develop and implement electrical and electronics and allied interdisciplinary projects to meet the demands of industry and to provide solutions to the current real time problems.

Program Outcomes (POs) and Program Specific Outcomes (PSOs) along with their Mapped Courses are given in the following table:

Table POs and PSOs with their mapped courses

S. No	POs and PSOs	Mapped Courses
1	PO 1: Engineering Knowledge	C111, C113, C114, C115, C117, C118, C121, C122, C123, C124, C125, C126, C127, C128, C129, C211, C212, C213, C214, C215, C216, C217, C218, C219, C221, C222, C223, C224, C225, C226, C227, C228, C311, C312, C313, C314, C315, C316, C317, C318, C321, C322, C323, C324, C325, C326, C327, C328, C329, C411, C412, C413, C414, C415, C416, C417, C418, C421, C422, C423, C424, C425, C426
2	PO 2:Problem analysis	C111, C113, C114, C115, C118, C121, C122, C123, C124, C125, C126, C127, C128,C129, C211, C212, C213, C214, C215, C216, C217, C218, C219, C221, C222, C223, C224, C225, C226, C227, C228, C311, C312, C313, C314, C315, C316, C317, C318, C321, C322, C323, C324, C325, C326, C327, C328, C329, C411, C412, C413, C414, C415, C416, C417, C418, C421, C422, C423, C424, C425, C426
3	PO 3:Design/development of solutions	C114, C117, C118, C123, C124, C127, C128,C129, C211, C212, C214, C215, C216, C217, C218, C219, C221, C222, C223, C224, C226, C227, C228, C311, C312, C313, C314, C315, C316, C317, C318, C321, C322, C323, C324, C325, C326, C327, C328, C329, C411, C412, C413, C414, C415, C416, C417, C418, C421, C422, C423, C424, C425, C426
4	PO 4 :Conduct investigations of complex problems	C122, C126, C127, C128, C213, C214, C215, C217, C311, C323, C324, C325, C328, C329, C414, C415, C416, C417, C418, C425, C426
5	PO 5 :Modern tool usage	C114, C115, C117, C127, C128, C212, C216, C311, C312, C322, C323, C327, C329, C413, C414, C415, C416, C417, C418, C421, C424, C425, C426
6	PO 6:The engineer and society	C112, C117, C127, C129, C219, C229, C311, C319, C329, C426
7	PO 7: Environment and sustainability	C125, C128,C129, C219, C223, C225, C311, C312, C317, C326, C329, C411, C423, C426
8	PO 8 :Ethics	C112, C129, C219, C229, C319, C329, C426, C426
9	PO 9 :Individual and team work	C117, C125, C216, C228, C229, C311, C319, C325, C327, C329, C425, C426
10	PO 10 :Communication	C112, C116, C117, C228, C229, C317, C319, C326, C327, C329, C425,C426
11	PO 11:Project management and finance	C128, C216, C319, C425, C426
12	PO 12:Life-long learning	C112, C114, C117, C129, C212, C214, C215, C217, C219, C221, C222, C223, C225, C226, C228, C229, C311, C317, C319, C322, C325, C326, C327, C329, C411, C412, C415, C423, C424, C426
13	PSO1:Apply the fundamental knowledge of mathematics, science, electrical and electronics engineering to analyze and solve the complex problems in electrical, electronics and allied interdisciplinary areas	C114, C117, C124, C129, C211, C212, C213, C214, C218, C219, C221, C222, C223, C224, C225, C226, C227, C228, C311, C312, C313, C314, C315, C316, C317, C318, C321, C322, C325, C326, C327, C411, C412, C413, C414, C415, C416, C417, C418, C421, C422, C423, C424, C425, C426

14	PSO2: Design, develop and implement electrical and electronics and allied interdisciplinary projects to meet the demands of industry and to provide solutions to the current real time problems	C112, C114, C117, C118, C122, C124, C126,C129, C211, C212, C213, C218, C219, C221, C222, C223, C224, C226, C227, C228, C311, C312, C313, C315, C316, C317, C318, C321, C322, C323, C324, C325, C326, C327, C328, C411, C412, C413, C414, C415, C416, C417, C418, C421, C422, C423, C424, C426

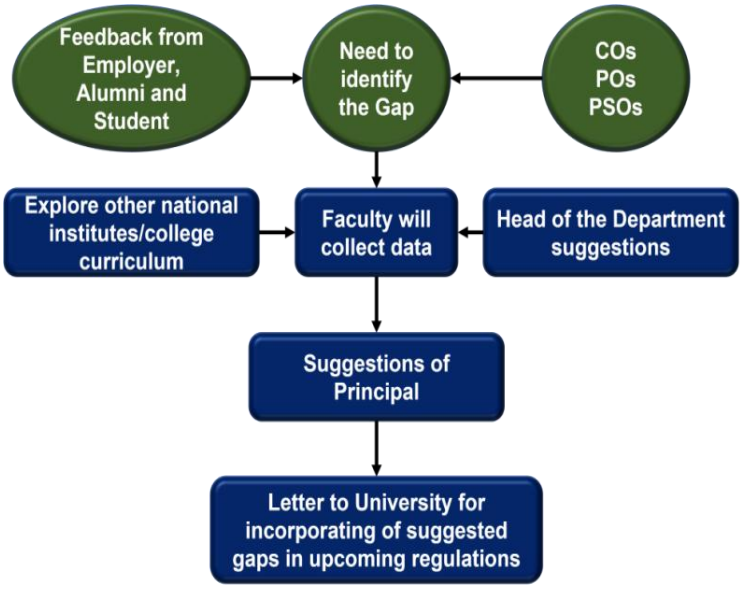
B. List the curricular gaps for the attainment of defined POs & PSOs

Gap Identification Process:

Electrical & Electronics Engineering Department curriculum is affiliated to Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh. The curriculum comprises of General, Basic Sciences and Professional Subjects related to Electrical and Electronics. Subjects are mapped with twelve program outcomes and gaps are identified. Following is the process used to identify the gaps of curriculum for attaining the PO's and PSO's.

Each faculty will review the course curriculum to fulfill the developed PO/PSOs and Course Outcomes. Feedbacks from the concerned Faculty, Alumni, Employer and students are taken with utmost importance, and gaps are identified. It also includes the recent trends by browsing and exploring various websites and other national institutions and universities. All the information collected is presented to the head of the department. The principal will collect the data from the head of the departments, and the same will be forwarded to the affiliated university for their consideration and incorporation of the identified gaps in the upcoming regulations.

The following flowchart represents the process followed.



Each Faculty will follow the process mentioned above meticulously for identifying the gaps in the curriculum. The following table illustrates a few of the gaps identified during the various academic years under consideration. Each faculty analyzes the curriculum for the courses they have taken up and finds the PO relevance considering the COs framed by them for the course.

Academic Year: 2021-2022

S. No	Course Name	Course code	Gap Identified	Mapping to PO's/PSO's
1	EDC	C212	Design problems on different biasing techniques of BJT& FET	PO3
2	PS-I	C223	Electric power generation by Hydal plants	PO1,PO7,PO12, PSO1
3	MEFA	C225	Knowledge on Financial management	PO2,PO10,PO11, PSO1
4	PS-II	C311	Problem solving skills is lagging	PO2,PO3,PSO1
5	PE	C312	AC-AC power control by integral cycle control	PO1,PO2,PO3
6	LICA	C313	AC & DC Analysis of Differential amplifiers is not mentioned in the syllabus	PO1,PO2,PO3, PO12,PSO1,PSO2
7	MPMC	C315	Detailed explanation of pin diagrams of 8086,8051	PO1,PO3, PO4,PSO1, PSO2
8	PSA	C322	Three phase short circuit on unloaded Synchronous Generator	PO1,PO2,PSO1, PSO2
9	DS	C323	AVL Trees	PO3,PO4
10	DCS	C324	Block diagram of DCS	PO1,PO2,PSO1
11	IT&EE	C325	Knowledge on Cloud Computing	PO3
12	PSOC	C413	Problem Solving Using MATLAB for Economic Load Dispatch	PO1,PO2,PO3, PSO1,PSO2
13	SEM	C416	Pmdc Motors,Concept of Converters	PO1,PO2,PO3
14	HVDC	C422	Reactive power control considering Static VAR systems	PO1,PO2,PO3, PSO1, PSO2
15	EDS	C423	Relation between 4 feeder& 6 feeder	PO1,PO2,PSO1

Academic Year: 2020-2021

S. No	Course Name	Course code	Gap Identified	Mapping to PO's/PSO's
1	ECA-1	C124	Network Topology	PO1,PO2,PO3, PO12& PSO1
2	EM-I	C212	Programming and simulation skills	PO1,PO3,PO5, PSO1, PSO2
3	EDC	C213	Lack of information about UJT	PO1,PO3,PO4, PO5,PSO1,PSO2
4	EMF	C214	Differential and integral operations for differential elements like differential length, surface and volume in the electrostatic fields	PO1,PO2,PO3, PO12& PSO1
5	PS-I	C225	Domestic electric power consumption & tariff	PO1,PO2 ,PO4,PO6 & PSO1
6	PS-II	C311	Power loss for CORONA derivation	PO1, PO2, PSO1
7	RES	C312	Renewable Energy & Modern Trends in metering	PO1,PO2,PO4, PO5&PSO1
8	SS	C313	Discrete Fourier transform (DFT) and Properties of Hilbert transform	PO1,PO2,PO3, & PSO1,PSO2

9	PE	C315	Multilevel Inverter	PO1,PO3,PO4, PO5,PSO1, PSO2
10	EACM	C325	Practical exposure to auditing	PO1,PO2,PO5, PO6&PSO1
11	LICA	C412	Practical measurement of 555 timer applications	PO1,PO2,PO3, & PSO1,PSO2
12	PSOC	C413	Economic load dispatch programming designing skills through a software	PO1,PO3,PSO1, PSO2
13	SGP	C414	Construction and Operating Principles Numerical Relays	PO1,PO2,PO3, PO5& PSO1,PSO2
14	DCS	C421	Canonical forms representation using modern tools	PO1,PO5,PSO1, PSO2
15	HVDC	C422	Effects of proximity of AC and DC Transmission Lines	PO1,PO2 & PSO1

Academic Year: 2019-2020

S. No	Course Name	Course code	Gap Identified	Mapping to PO's/PSO's
1	EDC	C213	Device characteristics in the perspective of circuit design	PO1,PO2, PO3, & PSO1,PSO2
2	EMF	C214	Line, surface & volume integrals	PO1,PO2, PO12& PSO1
3	RES	C312	Electrical Power Output and Capacity Factor of WECS	PO1, PO2 & PSO1
4	PDC	C314	Logic families C MOS& MOSFET Circuits	PO1,PO2, PO3, & PSO1,PSO2
5	PE	C315	Use of modern power electronic devices in real time controlling applications	PO1,PO5, PSO1,PSO2
6	PSOC	C413	Load frequency control Problem in real time application with/without integral controller	PO1,PO2, PO4,PO6& PSO1
7	SEM	C416	Converters for SRM	PO1, PO2& PSO1
8	CS	C224	Designing skills of bode plot and root locus in MAT LAB	PO1,PO2,PO3&PSO1,PSO2
9	PECD	C321	Designing skills for speed control techniques in DC drives	PO1,PO3,PO5,PSO1,PSO2
10	PSA	C322	Programming skills for various analyzing methodologies	PO1,PO2,PO3, PO5 , & PO12 PSO1,PSO2
11	UEE	C411	Modern traction motors	PO1,PO2&PSO1
12	SGP	C414	Faults detection	PO1,PO3,PSO1,PSO2
13	DCS	C421	Design of state feedback control through pole placement using modern tools	PO1,PO5,PSO1,PSO2
14	HVDC	C422	Per Unit System for DC Quantities	PO1,PO2,PO3, PO5 , & PO12 PSO1,PSO2

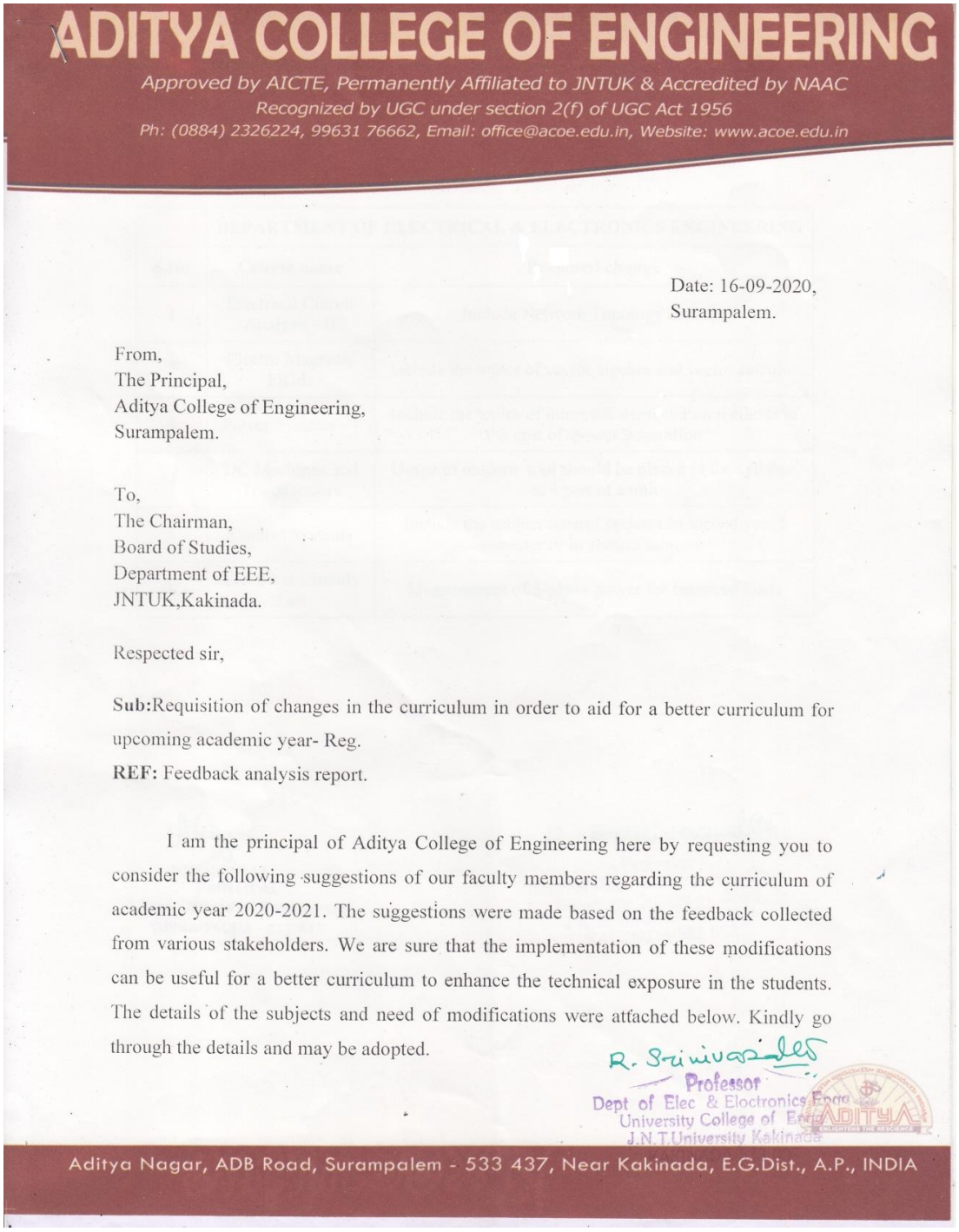
Academic Year: 2018-2019

S. No	Course Name	Course code	Gap Identified	Mapping to PO's/PSO's
1	EM-I	C212	Programming and simulation skills is lagging	PO5,PSO1,PSO2
2	EMF	C214	Electromagnetic Interference& Designing of electromagnetic compatibility	PO1,PO2,PO3,PSO1
3	EM	C221	D'arsonval galvanometer	PO1,PO2, PSO1,PSO2
4	PS-I	C225	Electric Power generation by Hydro power plants	PO1, PO2 & PSO1
5	PS-II	C311	Evaluation of Critical voltages	PO1,PO2, PO6&PSO1
6	RES	C312	Simulation of DG systems with the power grid network	PO1,PO2,PO3,PO5&PSO1
7	SS	C313	Properties of Z Transform including Initial and Final value theorems	PO1,PO2, PSO1&PSO2
8	PE	C315	RLE Load related problems	PO1,PO2,PO3&PSO1
9	PECD	C322	Designing skills for speed control techniques lagging in stator and rotor side of three phase drives	PO1,PO3,PO5,PSO1,PSO2
10	UEE	C323	Electric drives and Tractions	PO1,PO2&PSO1
11	ECAM	C325	Practical exposure to auditing	PO1,PO3,PO5,PSO1,PSO2
12	PSOC	C413	Economic load dispatch problem via programming skills considering a real time through a software	PO1,PO2,PO3,PO5&PSO1
13	SEM	C422	PMDC Motors torque equation and speed control	PO1,PO2, PO6&PSO1
14	FACTS	C423	Construction of Converters	PO1,PO2, PSO1,PSO2

2.1.2. State the delivery details of the content beyond the syllabus for the attainment of Pos and PSOs (10)

A. Steps taken to get identified gaps included in the curriculum.(letter to university)

Whatever the gaps are identified, to fill the gaps and to meet the required PO and PSO attainments, additional session will be taken by the internal or external academicians, industry experts and other possible ways are adopted. However, the gaps identified in the courses are communicated to BOS of JNTUK University as a requisition for changes in the syllabus to incorporate the gaps identified. The correspondence letter submitted to the Chairman of BOS of JNTUK University is given below:



ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under section 2(f) of UGC Act 1956
Ph: (0884) 2326224, 99631 76662, Email: office@acoe.edu.in, Website: www.acoe.edu.in

Date: 16-09-2020,
Surampalem.

From,
The Principal,
Aditya College of Engineering,
Surampalem.

To,
The Chairman,
Board of Studies,
Department of EEE,
JNTUK,Kakinada.

Respected sir,

Sub: Requisition of changes in the curriculum in order to aid for a better curriculum for upcoming academic year- Reg.

REF: Feedback analysis report.

I am the principal of Aditya College of Engineering here by requesting you to consider the following suggestions of our faculty members regarding the curriculum of academic year 2020-2021. The suggestions were made based on the feedback collected from various stakeholders. We are sure that the implementation of these modifications can be useful for a better curriculum to enhance the technical exposure in the students. The details of the subjects and need of modifications were attached below. Kindly go through the details and may be adopted.

R. Srinivasulu
Professor
Dept of Elec & Electronics Engg
University College of Engg ADITYA
J.N.T.University Kakinada

Aditya Nagar, ADB Road, Surampalem - 533 437, Near Kakinada, E.G.Dist., A.P., INDIA

	DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING	
S.No	Course name	Proposed change
1	Electrical Circuit Analysis –II	Include Network Topology concept
2	Electro Magnetic Fields	Include the topics of vector algebra and vector calculus
3	Power Systems - I	Include the topics of interest& depreciation methods in the cost of power generation
4	DC Machines and Transformers	Usage of modern tool should be placed in the syllabus as a part of a unit
5	Control Systems	Include the subject control systems in second year I semester or in second semester
6	Electrical Circuits Lab	Measurement of 3-phase power for balanced loads

PRINCIPAL
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Aditya College of Engineering
SURAMPALEM - 533 437

R. Srinivasulu
Professor
Dept. of Elec. & Electronics Engg.
University College of Engg.
J.N.T.University Kakinada
KAKINADA-533 003

B. Delivery details of content beyond syllabus

Gaps identified are filled through Guest Lectures, Hands-on workshops, seminars, training sessions etc.

After following the above-prescribed procedure for identification of relevant gaps in the curriculum, the concern faculty will plan for delivery of beyond the syllabus content. The delivery of beyond syllabus content is planned and scheduled within the timeframe as prescribed in the University Academic Calendar only.

Few of the possible delivery methods we adopted are:

- Extra classes
- Guest Lectures
- Conduction of workshops regularly to cover advanced topics
- Conduction Technical presentations
- Organizing Technical Fest
- Conduction of CRT Classes (Campus Recruitment Training) and employability skills
- Conduction of Co-curricular & extracurricular programs.
- Planning Industrial visits that cover topics of relevance for the students
- Providing self-learning tools such as Internet facilities
- Industrial Training programs
- Project exhibitions

The following table illustrates the Actions Taken measures to the gaps identified

A.Y: 2021-22

S. No	Course	Gap	Action Taken	Date	% of Students present	Relevance to PO's, PSO's
1	C212(EDC)	Design problems on different biasing techniques of BJT& FET	One lecture class per week on problem solving	04-01-2022	80	PO3
2	C223(PS-I)	Electric power generation by Hydal plants	Topics addressed by tutorial classes	19-03-2022	85	PO1,PO7,PO12, PSO1
3	C225(MEFA)	Knowledge on Financial management	NPTEL lecture video by Prof. Anil K. Sharma	18-5-2022	70	PO2,PO10,PO11, PSO1
4	C311(PS-II)	Problem solving skills is lagging	One lecture class per week on problem solving	06-12-2021	75	PO2,PO3,PSO1
5	C312(PE)	AC-AC power control by integral cycle control	One lecture class taken to explain AC-AC power control by integral cycle control One lecture class taken to explain Single phase step up Cyclo converter	08-12-2021	75	PO1,PO2,PO3

6	C313(LICA)	AC & DC Analysis of Differential amplifiers is not mentioned in the syllabus	Extra classes taken to cover these topics	06-12-2021	78	PO1,PO2,PO3, PO12,PSO1, PSO2
7	C315(MPMC)	Detailed explanation of pin diagrams of 8086,8051	Extra classes taken to cover these topics	03-12-2021	80	PO1,PO3, PO4, PSO1,PSO2
8	C322(PSA)	Three phase short circuit on unloaded Synchronous Generator	Topics covered by additional classes	28-03-2022	72	PO1,PO2,PSO1, PSO2
9	C323(DS)	AVL Trees	Power point presentation on AVL Trees	27-04-2022	78	PO3,PO4
10	C324(DCS)	Block diagram of DCS	Tropic covered by taking Extra class	23-02-2022	74	PO1,PO2,PSO1
11	C325(IT&EE)	Knowledge on Cloud Computing	NPTEL lecture video by Prof.SudipMisra	21-5-2022	80	PO3
12	C413(PSOC)	Problem Solving Using MATLAB for Economic Load Dispatch	Workshop by Dr G. Naresh, Professor, Pragati Engineering College.	06/05/2022 & 07/05/2022	60	PO1,PO2,PO3, PSO1,PSO2
13	C416(SEM)	PMDC MOTORS,CON CEPT OF CONVERTERS	More number of classes are taken to cover topics & by NPTEL videos	20-11-2021	80	PO1,PO2,PO3
14	C422(HVDC)	Reactive power control considering Static VAR systems	Additional lecture classes are conducted to cover the topic	12-05-2022	82	PO1,PO2,PO3, PSO1,PSO2
15	C423(EDS)	Relation between 4 feeder& 6 feeder	Mr. B. Giri Kiran, Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	12-03-2022	79	PO1,PO3,PSO1

A.Y: 2020-21

S. No	Gap	Action Taken	Date	Resource Person with designation	% of Students present	Relevance to PO's, PSO's
1	Programming and simulation skills	A Seminar on "Different types of motor and its applications"	16-02-2021	Mr. B. Giri Kiran, Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	85	PO1,PO3,PO5, PSO1, PSO2

2	Lack of information about UJT	A Seminar on "Power Semiconductor Drives and Applications"	04-12-2020	Dr Ch. Punya Sekhar, Associate Professor, Acharya Nagarjuna University	89	PO1,PO3,PO4, PO5,PSO1, PSO2
3	Differential and integral operations for differential elements like differential length, surface and volume in the electrostatic fields	A Two day Seminar on "Electro Magnetic Fields& Electrical Circuit Analysis".	03-11-2020 & 04-11-2020	Dr. S. Rama Reddy, Retired Professor, University of Jerusalem, Chennai	83	PO1,PO2,PO3, PO12& PSO1
4	Canonical forms representation using modern tools	A Seminar on "Advanced Control Systems"	12-12-2020	Dr. M. Siva Kumar, Professor, EEE Department, Gudlavelleru Engineering College	86	PO1,PO5,PSO1 ,PSO2
5	Power loss for CORONA derivation	An Online Seminar on "Power System Operation& Control and Simulations"	28-01-2021	Mr.B.Bala anakayya , Power Operations Engineer, Emirates Global aluminum, Dubai	90	PO1, PO2, PSO1
6	Discrete Fourier transform (DFT) and Properties of Hilbert transform	A seminar on "Signals& Systems"	26-02-021	Dr G. Raghu ram, Retired Professor, JNTUK, Kakinada	96	PO1,PO2,PO3, & PSO1,PSO2
7	Multilevel Inverter	A Seminar on "Power Semiconductor Drives and Applications"	04-12-2020	Dr. Ch. Punya Sekhar, Associate Professor, Acharya Nagarjuna University	89	PO1,PO3,PO4, PO5,PSO1, PSO2
8	Network Topology	A Two day Seminar on "Electro Magnetic Fields& Electrical Circuit Analysis".	03-11-2020 & 04-11-2020	Dr. S. Rama Reddy, Retired Professor, University of Jerusalem, Chennai	83	PO1,PO2,PO3, PO12& PSO1

9	Economic load dispatch programming designing skills through a software	An Online Seminar on "Power System Operation& Control and Simulations".	28-01-2021	Mr. B. Bala Anakayya , Power Operations Engineer, Emirates Global aluminum, Dubai	84	PO1,PO3,PSO1 ,PSO2
10	Renewable Energy & Modern Trends in metering	A Guest lecture on "Renewable Energy& modern Trends in Metering"	27-11-2020	Mr.TVVDV Prasad, Deputy Executive Engineer, MRT Vigilance, AP TRANSCO	88	PO1,PO2,PO4, PO5&PSO1
11	Domestic electric power consumption & tariff	A Seminar on " Electrical Distribution Systems"	20-04-2021	Mr.Hariprasad Ommi, DyEE ,Quality Control, Vidyuth Soudha	95	PO1,PO2 ,PO4,PO6 & PSO1
12	Practical exposure to auditing	A Seminar on "Energy Audit and Conservation management Strategies"	02-09-2021	Rupa Mandal, Post Graduate Engineer Trainee, Racanaa energy, Bangalore	87	PO1,PO2,PO5, PO6&PSO1
13	Construction and Operating Principles Numerical Relays	A Seminar on " Advanced Power System Protection"	23-09-2020	Dr A. Kailasarao, Retired Professor, JNTUK, Kakinada	75	PO1,PO2,PO3, PO5& PSO1,PSO2
14	Practical measurement of 555 timer applications	A Seminar on " Digital IC Applications"	27-03-2021	Dr G. Raghu ram, Retired Professor, JNTUK, Kakinada	78	PO1,PO2,PO3, & PSO1,PSO2
15	Effects of proximity of AC and DC Transmission Lines	An Online seminar on "High Voltage DC Transmission System"	29-05-2021	Mr. B. Bala Anakayya , Power Operations Engineer, Emirates Global aluminum, Dubai	85	PO1,PO2 & PSO1

A.Y: 2019-20

S. No	Gaps	Action Taken	Date	Resource Person with designation	% of Students present	Relevance to PO's, PSO's
1	Device characteristics in the perspective of circuit design	A Two day Seminar on "Electronic Devices& Circuits and Pulse& Digital Circuits"	18-09-2019 & 19-09-2019	Dr G. Raghu ram, Retired Professor, JNTUK, Kakinada	92	PO1,PO2, PO3, & PSO1, PSO2

2	Line, surface & volume integrals	A Seminar on "Electromagnetic Fields"	19-09-2019	Dr. S. Rama Reddy, Retired Professor, University of Jerusalem, Chennai	75	PO1,PO2, PO12& PSO1
3	Electrical Power Output and Capacity Factor of WECS	A Seminar on "Non-Conventional resources"	17-10-2019	Mayor Raj Kumar Balwani, Associate Engineer, Enphase Energy, Bangalore	83	PO1, PO2 & PSO1
4	Logic families C MOS& MOSFET Circuits	A Two day Seminar on "Electronic Devices& Circuits and Pulse& Digital Circuits"	18-09-2019 & 19-09-2019	Dr G. Raghu ram, Retired Professor, JNTUK, Kakinada	92	PO1,PO2,PO3, & PSO1,PSO2
5	Use of modern power electronic devices in real time controlling applications	A Guest lecture on "Power Semi-Conductors and Drives"	20-01-2020	Dr N. Jaya Ram, Associate Professor, National Institute of Technology, Andhra Pradesh	85	PO1,PO5, PSO1,PSO2
6	Load frequency control Problem in real time application with/without integral controller	A Seminar on " Power Control Automation and Faults detection Techniques"	18-7-2019	Mr.TVVDV Prasad, Deputy Executive Engineer, MRT Vigilance, AP TRANSCO	91	PO1,PO2, PO4,PO6& PSO1
7	Converters for SRM	A Seminar on "Special Electrical Machines"	17-07-2019	Mr. B. Giri Kiran, Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	92	PO1, PO2& PSO1
8	Designing skills of bode plot and root locus in MAT LAB	A Seminar on "Control Systems and stability Analysis"	19-02-2020	Mr. M.S.S.V. Sankar, Team Lead, Dr. Reddy's Lab, Hyderabad	92	PO1, PO2,PO3& PSO1,PSO2
9	Designing skills for speed control techniques in dc drives	A Guest lecture on "Power Semi-Conductors and Drives	21-07-2019	Dr. N. Jaya Ram Associate Professor, National Institute of Technology Andhra Pradesh	86	PO1,PO3,PO5,PSO1,PSO2
10	Programming skills for various analyzing methodologies	A Seminar on "Modern Power System Analysis"	17-08-2019	Dr. S. Rama Reddy, Retired Professor, University of Jerusalem, Chennai	91	PO1,PO2,PO3, PO5 , & PO12 PSO1,PSO2
11	Programs on pointers	NPTEL Video	07-04-2020	Dr Naveen Garg, Dept. of CSE, IIT Delhi	89	PO1,PO2,PO3,PSO5,PSO1
12	Per Unit System for DC Quantities	A Seminar on "Modern Power System Analysis"	17-08-2019	Dr. S. Rama Reddy, Retired Professor, University of Jerusalem, Chennai	91	PO1,PO2,PO3, PO5 , & PO12 PSO1,PSO2
13	Design of state feedback control through pole placement using modern tools	A Guest Lecture on "Advanced Control Systems& Applications"	12/3/2020	Dr. M. Siva Kumar Professor, EEE department, Gudlavelleru Engineering College	83	PO1,PO5, PSO1,PSO2
14	Modern traction motors	A Seminar on "Utilization of Electrical Energy"	10/2/2020	Yerama Reddy Ganga Prasad Engineer Mercedes Benz R&D India Bangalore	90	PO1,PO2& PSO1
15	Faults detection	A Seminar on " Power Control Automation and Faults detection Techniques"	18-7-2019	Mr. TVVDV Prasad, Deputy Executive Engineer, MRT Vigilance, AP TRANSCO	79	PO1,PO3, PSO1,PSO2

A.Y: 2018-19

S. No	Gap	Action Taken	Date	Resource Person with designation	% of Students present	Relevance to PO's, PSO's
1	Programming and simulation skills is lagging	A Seminar on "Modern Tools usage in Electrical Machines"	17-07-2018	Dr N. Jaya Ram, Associate Professor, National Institute of Technology, Andhra Pradesh	90	PO5,PSO1, PSO2
2	Electric drives and Tractions	A Seminar on "Electric drives and Tractions"	08-02-2019	Mr. G. Sankara Rao, Mercedes Benz ,R&D India, Bangalore	89	PO1,PO2& PSO1
3	Electromagnetic Interference& Designing of electromagnetic compatibility	A Guest Lecture on "Electro Magnetic Field Theory"	24-10-2018	Dr. S. Rama Reddy, Retired Professor, University of Jerusalem, Chennai	92	PO1,PO2
4	Practical exposure to auditing	A Seminar on " Energy management and Audit"	12-12-2018	Dr M. Siva Kumar, Professor, EEE department, Gudlavelleru Engineering College	75	PO1,PO3, PO5,PSO1, PSO2
5	PMDC Motors torque equation and speed control	A Seminar on "Special Electrical Machines"	10-02-2019	Giri Kiran Bikkini Senior Electric Design Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	77	PO1,PO2, PO6 & PSO1
6	Evaluation of Critical voltages	A Seminar on "Renewable Enegry & Modern Trends in metering"	22/09/2018	Mr. TVVDV Prasad, Deputy Executive Engineer, MRT Vigilance, AP TRANSCO	90	PO1,PO2, PO6 & PSO1
7	Properties of Z Transform including Initial and Final value theorems	A Seminar on " Applications of Signals & Systems"	23-07-2018	Dr G. Raghu ram, Retired Professor, JNTUK, Kakinada	89	PO1,PO2, PSO1 & PSO2
8	Need more explanation for RLE Load related problems	A Seminar on "Custom Power Devices"	21-07-2018	Giri Kiran Bikkini Senior Electric Design Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	78	PO1,PO2, PO3 & PSO1
9	Economic load dispatch problem via programming skills considering a real time through a software	A Seminar on "Renewable Enegry & Modern Trends in metering"	22/09/2018	Mr. TVVDV Prasad, Deputy Executive Engineer, MRT Vigilance, AP TRANSCO	90	PO1,PO2, PO3,PO5 & PSO1
10	Simulation of DG systems with the power grid network	A Seminar on "Renewable Enegry & Modern Trends in metering"	22/09/2018	Mr. TVVDV Prasad, Deputy Executive Engineer, MRT Vigilance, AP TRANSCO	85	PO1,PO2, PO3,PO5 & PSO1

11	D'arsonval galvanometer	A Seminar on " Electrical Measurements& instrumentation "	24-01-2019	Dr M. Siva Kumar, Professor, EEE department, Gudlavelleru Engineering College	90	PO1,PO2, PSO1, PSO2
12	Electric Power generation by Hydro power plants	A Seminar on "Advanced Power Generation Systems"	09-03-2019	Dr A. Kailasarao, Retired Professor, Jntuk, Kakinada	94	PO1, PO2 & PSO1
13	Designing skills for speed control techniques lagging in stator and rotor side of three phase drives	A Seminar on "Detailed Study of Converters"	27-02-2019	Dr O. Chandra Sekhar, Professor, KL University	85	PSO1,PSO3, PO5, PSO1,PSO2
14	Program on structures	NPTEL Video	21-01-2019	Dr Naveen Garg, Dept. of CSE, IIT Delhi	89	PO1,PO2, PO3,PSO5, PS12
15	Construction of Converters	A Seminar on "Detailed Study of Converters"	27-02-2019	Dr O. Chandra Sekhar, Professor, KL University	85	PSO1,PSO2, PSO1, PSO2

List of courses done by the students beyond curriculum to meet the Industry Requirements

S. No	Certification	Certification from	No. of Students
1	Automation Anywhere University Certified Essentials RPA Professional	Automation Anywhere	1
2	MTA Python	Microsoft	1
3	Automation Anywhere Certified Advanced RPA Professional	Automation Anywhere	1
4	AWS Cloud Practitioner	AMAZON	1
5	MTA Security Fundamentals	Microsoft	2
6	Automation Anywhere University Certified Essentials RPA Professional	Automation Anywhere	1
7	MTA Java	Microsoft	3

Impact analysis: The feedback from the students regarding the above mentioned training programmes/ guest lecturers indicate that there is a significant improvement in the awareness of the students regarding latest technologies.

2.2. Teaching - Learning Processes (100)

2.2.1. Describe Processes followed to improve quality of Teaching & Learning (25)

A. Adherence to Academic Calendar:

JNTUK issues the calendar in the beginning of every academic year. The institute follows this calendar, as it is affiliated to JNTUK and web-link: www.jntuk.edu.in

Academic year calendar- 2020-21:

Website: www.jntuk.edu.in
Email: dap@jntuk.edu.in

Phone: 0884-2300991

Directorate of Academic Planning
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. DAP/RAC/ II,III & IV Year /B. Tech/B. Pharmacy/2021 *Date 08.10.2021*

Dr. R. Srinivasa Rao,
Director, Academic Planning
JNTUK, Kakinada

To
All the Principals of Affiliated Colleges,
JNTUK, Kakinada.

Revised Academic Calendar for II, III, IV Year - B. Tech/B. Pharmacy for the AY 2021-22
(As per G.O. Rt. No. 242, Higher Education (U.E) Dept., dated 13.09.2021)

I SEMESTER			
Description	**From**	**To**	**Weeks**
Commencement of Class Work	**01.10.2021**		
I Unit of Instruction	01.10.2021	20.11.2021	7W
I Mid Examinations	22.11.2021	27.11.2021	1W
II Unit of Instructions	29.11.2021	15.01.2022	7W
II Mid Examinations	17.01.2022	22.01.2022	1W
Preparation & Practicals	24.01.2022	29.01.2022	1W
End Examinations	31.01.2022	12.02.2022	2W
Commencement of II Semester Class Work	**14.02.2022**		
II SEMESTER			
I Unit of Instructions	**14.02.2022**	02.04.2022	7W
I Mid Examinations	04.04.2022	09.04.2022	1W
II Unit of Instructions	11.04.2022	28.05.2022	7W
II Mid Examinations	30.05.2022	04.06.2022	1W
Preparation & Practicals	06.06.2022	11.06.2022	1W
End Examinations	13.06.2022	25.06.2022	2W
Commencement of next Year Class Work			
Note: Calendar is prepared with 8 hrs/day hence 7 weeks per instruction period			

R. Srinivasa Rao
Director Academic Planning
Director
Academic Planning
JNTUK Kakinada

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KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. 01-08/ JNTUK/DAP/AC/B. Tech-B. Pharmacy/II-I/I-IV Year/2020-21 *Date: 29-12-2020*

Dr. R. Srinivasa Rao,
Director, Academic Planning
JNTUK, Kakinada

To
All the Principals of Affiliated Colleges,
JNTUK, Kakinada.

Academic Calendar for II, III and IV - B. Tech & B. Pharmacy
Academic year 2020-21

I SEMESTER			
Description	**From**	**To**	**Weeks**
Commencement of Class Work	**02.11.2020**		
I Unit of Instruction	02.11.2020	19.12.2020	7W
II Unit of Instructions	21.12.2020	23.01.2021	5W
I Mid Examinations	25.01.2021	30.01.2021	1W
II Unit of Instructions(Continued)	01.02.2021	20.02.2021	3W
II Mid Examinations	22.02.2021	27.02.2021	1W
Preparation & Practicals	01.03.2021	06.03.2021	1W
End Examinations	08.03.2021	20.03.2021	2W
Commencement of II Semester Class Work	**22.03.2021**		
II SEMESTER			
I Unit of Instructions	**22.03.2021**	08.05.2021	7W
I Mid Examinations	10.05.2021	12.05.2021	1/2W
II Unit of Instructions	13.05.2021	30.06.2021	7W
II Mid Examinations	01.07.2021	03.07.2021	1/2W
Preparation & Practicals	05.07.2021	10.07.2021	1W
End Examinations	12.07.2021	24.07.2021	2W
Commencement of next Year Class Work			
Note: Calendar is prepared with 8 hrs/day hence 7 weeks per instruction period			

R. Srinivasa Rao
Director Academic Planning
Director
Academic Planning
JNTUK Kakinada

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Academic year calendar- 2020-21:

- The Department/Program calendar of events is prepared before the commencement of the semester based on the academic schedule issued by university.
- The department academic calendar consists of the activities which include instructional period, examination dates, display of internal marks, conducting of guest lectures, seminars, technical events etc.

ACADEMIC CALENDAR (2021-22) FOR II, III & IV B.TECH I SEM

WEEK NO.	MONTH	WEEK DAYS							NO. OF WORKING			Academic Activities/ Department Activities
		MON	TUE	WED	THU	FRI	SAT	SUN	II	III	IV	
1	OCTOBER					1	2	3	1	1	1	1st - Commencement of class work for II/III/IV B. Tech 2nd-Gandhi Jayanthi 13th to 17th-Dasara holidays 19th-Miladun nabi
2		4	5	6	7	8	9	10	6	6	6	
3		11	12	13	14	15	16	17	2	2	2	
4		18	19	20	21	22	23	24	5	5	5	
5		25	26	27	28	29	30	31	6	6	6	
6	NOVEMBER	1	2	**3**	4	5	6	7	5	5	5	4th-Dipawali 22nd to 27th -I Mid Examination
7		8	9	10	11	12	13	**14**	6	6	6	
8		15	16	17	18	19	20	**21**	6	6	6	
9		22	23	24	25	26	27	**28**	6	6	6	
10		29	30						6	6	6	
	DECEMBER			1	2	3	4	5				25th-Chrismas
11		6	7	8	9	10	11	12	6	6	6	
12		13	14	15	16	17	18	19	6	6	6	
13		20	21	22	23	24	25	26	5	5	5	
14		27	28	29	30	31			5	5	5	
	JANUARY						1	2				1st-New Year 12th-seminar on "Power System Operation& Control" for IV EEE Students 13th to 16th-Pongal holidays 17th to22rd -II Mid Examinations 26th-Republic day 24th to 29th Preparation & Practical's
15		3	4	5	6	7	8	9	6	6	6	
16		10	11	12	13	14	15	16	3	3	3	
17		17	18	19	20	21	22	23	6	6	6	
18		24	25	26	27	28	29	30				
19		31										
	FEBRUARY		1	2	3	4	5	6				31st Jan to 12th Feb End Examinations
20		7	8	9	10	11	12	13				
21		14	15	16	17	18	19	20				
22		21	22	23	24	25	26	27				
23		28										
TOTAL NUMBER OF WORKING DAYS									86	86	86	

	TERM START	LAST WORKING DAY	PRACTICAL EXAMINATIONS	THEORY EXAMINATIONS
II,III & IV YEAR	01-10-2021	22-01-2022	24-01-2022 TO 29-01-2022	31-01-2022 TO 12-02-2022

ACADEMIC CALENDAR (2021-22) FOR II, III & IV B.TECH II SEM

WEEK NO.	MONTH	WEEK DAYS							NO. OF WORKING			Academic Activities/ Department Activities
		MON	TUE	WED	THU	FRI	SAT	SUN	II	III	IV	
1	FEBRUARY		1	2	3	4	5	6				14th - Commencement of class work for II/III/IV B. Tech
2		7	8	9	10	11	12	13				
3		14	15	16	17	18	19	20	6	6	5	
4		21	22	23	24	25	26	27	6	6	5	
5		28							5	5	4	
	MARCH		1	2	3	4	5	6				1st-Maha Sivarathri 12th- Guest lecture on" Electrical Distribution Systems" for IV EEE students 18th-Holi 28th – Project Review 1 for IV EEE, SEC-1 31st – Project Review 1 for IV EEE, SEC-2 23rd – Seminar Review 1 for IV EEE, SEC-1 26th Seminar Review 1 for IV EEE, SEC-2
6		7	8	9	10	11	12	13	6	6	5	
7		14	15	16	17	18	19	20	5	5	4	
8		21	22	23	24	25	26	27	6	6	5	
9		28	29	30	31				5	5	5	
	APRIL					1	2	3				2nd-Ugadi 5th-Babu Babu Jagjivan ram Jayanthi 4th to 9th -I Mid Examination 14th-Dr B.R. Ambedkar Jayanthi 15th-Good Friday 18th – Project Review 1 for IV EEE, SEC-1 21st – Project Review 1 for IV EEE, SEC-2 20th – Seminar Review 2 for IV EEE, SEC-1 23rd – Seminar Review 2 for IV EEE, SEC-2
10		4	5	6	7	8	9	10	5	5	4	
11		11	12	13	14	15	16	17	4	4	3	
12		18	19	20	21	22	23	24	6	6	6	
13		25	26	27	28	29	30		6	6	5	
	MAY							1				3rd-Srirama Navami 30th to 4th -II Mid Examination 23rd – Project Review 2 for IV EEE, SEC-1 24th- Guest lecture on" Energy, Climate change& I" for IV EEE students 26th – Project Review 2 for IV EEE, SEC-2 25th – Seminar Review 3 for IV EEE, SEC-1 28th Seminar Review 3 for IV EEE, SEC-2
14		2	3	4	5	6	7	8	5	5	4	
15		9	10	11	12	13	14	15	6	6	5	
16		16	17	18	19	20	21	22	6	6	5	
17		23	24	25	26	27	28	29	6	6	5	
18		30	31						6	6	5	
	JUNE			1	2	3	4	5				6th to 11th Preparation & Practical's 6th – Project Review 3 for IV EEE, SEC-1 9th – Project Review 3 for IV EEE, SEC-2 7th – Seminar Review 4 for IV EEE, SEC-1 10th Seminar Review 4 for IV EEE, SEC-2 13th to 25th End Examinations
19		6	7	8	9	10	11	12				
20		13	14	15	16	17	18	19				
21		20	21	22	23	24	25	26				
22		27	28	29	30							
TOTAL NUMBER OF WORKING DAYS									89	89	75	

	TERM START	LAST WORKING DAY	PRACTICAL EXAMINATIONS	THEORY EXAMINATIONS
II,III & IV YEAR	14-02-2022	04-06-2022	06-06-2022 to 11-06-2022	13-06-2022 to 25-06-2022

ACADEMIC CALENDAR (2020-21) FOR II, III & IV B.TECH I SEM

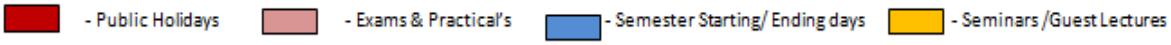
WEEK NO.	MONTH	WEEK DAYS							NO. OF WORKING DAYS			EVENTS
		MON	TUE	WED	THU	FRI	SAT	SUN	II	III	IV	
	NOVEMBER							1				2nd - Semester Starts for II, III & IV Years 14th –Diwali 3rd& 4th -A Two day Seminar on "Electro Magnetic Fields& Electrical Circuit Analysis" 23rd - A Seminar on " "Advanced Power System Protection" 27th A Guest lecture on "Renewable Energy& modern Trends in Metering"
1		2	3	4	5	6	7	8	6	6	6	
2		9	10	11	12	13	14	15	5	5	5	
3		16	17	18	19	20	21	22	6	6	6	
4		23	24	25	26	27	28	29	6	6	6	
5		30							6	6	6	
	DECEMBER		1	2	3	4	5	6				4th - A Seminar on "Power Semiconductor Drives and Applications" 12th- A Seminar on "Advances in Control Systems" 17th - Seminar on "Inculcating Human Values and Ethics in Technical Education " 25th -Christmas 27th - Industrial visit for III years
6		7	8	9	10	11	12	13	6	6	6	
7		14	15	16	17	18	19	20	6	6	6	
8		21	22	23	24	25	26	27	5	5	5	
9		28	29	30	31				5	5	5	
	JANUARY					1	2	3				1st –New-year 13th to 16th – Pongal holidays 21st to 23rd – Revision for mid-1 25th- 30th I MID Examination 26th -Republic day 28th -An Online Seminar on "Power System Operation& Control and Simulations"
10		4	5	6	7	8	9	10	6	6	6	
11		11	12	13	14	15	16	17	2	2	2	
12		18	19	20	21	22	23	24	6	6	6	
13		25	26	27	28	29	30	31	5	5	5	
14	FEBRUARY	1	2	3	4	5	6	7	6	6	6	16th - A Seminar on "Different types of motor and its applications" 18st to 20rd – Revision for mid-2 22nd-27th II MID Examination 26th -A seminar on "Signals& Systems" 27th Last Working day for II, III,IV years
15		8	9	10	11	12	13	14	6	6	6	
16		15	16	17	18	19	20	21	6	6	6	
17		22	23	24	25	26	27	28	6	6	6	
18	MARCH	1	2	3	4	5	6	7				1st -6th Practical examinations for II, III,IV years 11th -Mahasivaratri 8st – 20th End Examinations
19		8	9	10	11	12	13	14				
20		15	16	17	18	19	20	21				
21		22	23	24	25	26	27	28				
22		29	30	31								
TOTAL NUMBER OF WORKING DAYS									94	94	94	

	TERM START	LAST WORKING DAY	PRACTICAL EXAMINATIONS	THEORY EXAMINATIONS
II,III & IV YEAR	02-11-2020	27-02-2021	01-03-2021 TO 06-03-2021	08-03-2021 TO 20-03-2021

ACADEMIC CALENDAR (2020-21) FOR II, III & IV B.TECH II SEM

WEEK NO.	MONTH	WEEK DAYS							NO. OF WORKING			EVENTS
		MON	TUE	WED	THU	FRI	SAT	SUN	II	III	IV	
	MARCH	1	2	3	4	5	6	7				22nd - Semester Starts for II, III & IV Years 24th March to 24th April APSSDC training for II years 27th - A Seminar on " Digital IC Applications" 29th - Holi
		8	9	10	11	12	13	14				
		15	16	17	18	19	20	21				
1		22	23	24	25	26	27	28	6	6	5	
2		29	30	31					6	6	3	
	APRIL				1	2	3	4				2nd – Good Friday 12th – Seminar Review 1 for IV EEE 13th – Ugadhi 20th - A Seminar on " Electrical Distribution Systems" 21st – Sri Rama Navami
3		5	6	7	8	9	10	11	6	6	5	
4		12	13	14	15	16	17	18	5	5	4	
5		19	20	21	22	23	24	25	5	5	4	
6		26	27	28	29	30			6	6	5	
	MAY						1	2				6th to 8th – Revision for mid-1 10th to 12th - I MID Examination 11th – Seminar Review 2 for IV EEE 13th – Ramzan 22nd – Project Review 1 for IV years 29th - An Online seminar on "High Voltage DC Transmission System"
7		3	4	5	6	7	8	9	6	6	5	
8		10	11	12	13	14	15	16	5	5	4	
9		17	18	19	20	21	22	23	6	6	5	
10		24	25	26	27	28	29	30	6	6	5	
11		31							6	6	5	
	JUNE		1	2	3	4	5	6				17th – Seminar Review 3 for IV EEE 28th to 30th – Revision for mid-2 21st – Project Review 2 for IV years
12		7	8	9	10	11	12	13	6	6	5	
13		14	15	16	17	18	19	20	6	6	5	
14		21	22	23	24	25	26	27	6	6	5	
15		28	29	30					6	6	5	
	JULY				1	2	3	4				1st to 3rd - II MID Examination 3rd - Last working day for II, III & IV Years 5th -10th Practical examinations for II, III,IV years 10th – Project Review 3 for IV years 12th – 24th End Examinations 14th – Seminar Review 4 for IV EEE 21st - Bakrid
16		5	6	7	8	9	10	11				
17		12	13	14	15	16	17	18				
18		19	20	21	22	23	24	25				
19		26	27	28	29	30	31					
TOTAL NUMBER OF WORKING DAYS									87	87	70	

	TERM START	LAST WORKING DAY	PRACTICAL EXAMINATIONS	THEORY EXAMINATIONS
II,III & IV YEAR	22-03-2021	03-07-2021	05-07-2021 TO 10-07-2021	12-07-2021 TO 24-07-2021



- Project/ Seminar for IV year

B: Details of initiatives to improve quality of teaching and learning

- Course allotment based on faculty options is done before the commencement of the semester. Every course coordinator along with course instructors prepares a lesson plan with its course outcomes, question bank and lecture notes.
- The faculty members of the department adopt various Teaching & Learning methodologies to create an effective learning environment for student. These methodologies include chalk and talk, power point presentations, collaborative learning, video lectures (NPTEL, QEEE etc.), and problem/project based learning.
- For every course, outcomes are defined and the teaching learning process is carried out to attain the outcomes. Outcomes are measured using continuous assessment (Internal examination and assignment), semester end examinations results.
- Problem based learning is a student-centered pedagogy in which students learn about a subject through the experience of solving problems. This will be practiced during tutorial classes.
- In project based learning, students identify problems and implement the solution for the problem through hardware or simulation. Students gain knowledge and skills by working for an extended period of time to implement the solution. Project is implemented as an individual or as a team work.
- To facilitate project based learning, the department has an exclusive project laboratory. The students are encouraged to participate in various project exhibitions.
- College management provides necessary facilities and financial support to encourage the students to implement real time projects.
- Invited talks by experts and seminars on the current trends are arranged regularly.
- Technical events such as paper presentations, technical quizzes, poster presentations etc. are organized by the department association for the overall personality development of the student.
- Industrial visits are arranged at least once in a year for exposure to industrial environment.
- Workshops are organized to help the students to understand the concepts beyond curriculum.

The following is the list of teaching methodologies fallowed by our faculty during the year 2020-21.

ACADEMIC YEAR 2021-22 ODD SEM (II Year-R20, III Year-R19, IV Year-R16)

S.NO	Course Name	Year/ Sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total no. of Methodologies
1	M-IV	II/I	Y	Y							Y	Y	Y					Y			Y	7
2	EDC	II/I	Y	Y	Y							Y						Y				5
3	ECA-II	II/I	Y	Y	Y													Y				4
4	DCM&T	II/I	Y	Y	Y		Y				Y	Y				Y		Y				8
5	EMF	II/I	Y	Y							Y	Y						Y				5
6	EC LAB	II/I	Y	Y	Y	Y		Y	Y													6
7	DCM&T LAB	II/I	Y	Y	Y	Y		Y	Y													6
8	EDC LAB	II/I	Y	Y	Y	Y		Y	Y													6
9	SOC	II/I	Y	Y	Y						Y	Y									Y	6
10	PE&HV	II/I	Y	Y								Y		Y					Y	Y		6
11	PS-II	III/I	Y	Y	Y						Y	Y						Y				6
12	PE	III/I	Y	Y							Y							Y			Y	5
13	LICA	III/I	Y	Y							Y	Y						Y			Y	6
14	DSP	III/I	Y	Y	Y						Y	Y				Y	Y	Y			Y	9
15	MP&MC	III/I	Y	Y			Y				Y	Y						Y			Y	7
16	EM-II LAB	III/I	Y	Y	Y	Y		Y	Y													6
17	CS LAB	III/I	Y	Y	Y	Y		Y	Y													6
18	EM&I LAB	III/I	Y	Y	Y	Y		Y	Y													6
19	SC PROJECTS	III/I	Y	Y	Y	Y		Y	Y	Y		Y										8
20	UEE	IV/I	Y	Y	Y						Y	Y				Y	Y	Y			Y	9
21	LICA	IV/I	Y	Y							Y	Y						Y			Y	6
22	PSOC	IV/I	Y	Y							Y	Y			Y			Y				6
23	SGP	IV/I	Y	Y							Y	Y			Y			Y			Y	7
24	INST	IV/I	Y	Y							Y	Y						Y				5
25	SEM	IV/I	Y	Y							Y	Y						Y			Y	6
26	ES LAB	IV/I	Y	Y	Y	Y		Y	Y													6
27	PS&S LAB	IV/I	Y	Y	Y	Y		Y	Y													6
	COUNT		27	27	16	9	2	9	9	1	15	17	1	1	2	3	2	16	1	1	10	

ACADEMIC YEAR 2021-22 EVEN SEM (II Year-R20, III Year-R19, IV Year-R16)

S.NO	Course Name	Year / Sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total no. of Methodologies
1	PYTHON	II/II	Y	Y							Y							Y				4
2	DE	II/II	Y	Y							Y							Y				4
3	PS-I	II/II	Y	Y	Y													Y				4
4	I& SM	II/II	Y	Y							Y	Y						Y				5
5	MEFA	II/II	Y	Y							Y	Y						Y				5
6	PYTHON LAB	II/II	Y	Y		Y																3
7	I& SM LAB	II/II	Y	Y	Y	Y		Y	Y	Y												7
8	DE LAB	II/II	Y	Y	Y	Y		Y	Y	Y												7
9	SOC	II/II	Y	Y	Y						Y	Y									Y	6
10	ED	III/II	Y	Y							Y	Y						Y			Y	6
11	PSA	III/II	Y	Y							Y	Y						Y			Y	6
12	DS	III/II	Y	Y			Y														Y	4
13	DCS	III/II	Y	Y							Y	Y									Y	5
14	IT to EE	III/II	Y	Y							Y	Y										4
15	DBMS	III/II	Y	Y	Y						Y					Y		Y			Y	7
16	PE LAB	III/II	Y	Y	Y	Y		Y	Y	Y												7
17	MP& MC LAB	III/II	Y	Y	Y	Y		Y	Y	Y												7
18	EMPLOYABILITY SKILLS	III/II	Y	Y		Y							Y	Y			Y		Y	Y	Y	9
19	DCS	IV/II	Y	Y							Y	Y						Y			Y	6
20	HVDC	IV/II	Y	Y							Y	Y			Y			Y			Y	7
21	EDS	IV/II	Y	Y	Y						Y	Y				Y	Y	Y			Y	8
22	HVE	IV/II	Y	Y							Y	Y						Y			Y	5
23	SEMINAR	IV/II	Y	Y	Y	Y		Y	Y			Y										7
24	PROJECT	IV/II	Y	Y	Y	Y		Y	Y			Y										7
	COUNT		24	24	10	8	1	6	6	4	14	13	1	1	1	2	2	12	1	1	11	

ACADEMIC YEAR 2020-21ODD SEM (II Year-R19, III Year-R16, IV Year-R16)

S.NO	Course Name	Year/ Sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total no. of Methodologies
1	EM-I	II/I	Y	Y						Y	Y	Y			Y			Y			Y	8
2	ECA-II	II/I	Y	Y	Y						Y	Y						Y			Y	7
3	EMF	II/I	Y	Y								Y						Y			Y	5
4	EDC	II/I	Y	Y								Y						Y			Y	5
5	T&HP	II/I	Y	Y								Y						Y			Y	5
6	MEFA	II/I	Y	Y			Y					Y	Y				Y					6
7	EITK	II/I	Y	Y								Y		Y								4
8	PS-II	III/I	Y	Y				Y				Y									Y	4
9	RES	III/I	Y	Y				Y			Y				Y		Y				Y	7
10	SS	III/I	Y	Y							Y	Y				Y		Y			Y	7
11	PDC	III/I	Y	Y			Y				Y	Y						Y			Y	7
12	PE	III/I	Y	Y								Y	Y			Y					Y	7
13	IP&R	III/I	Y	Y								Y						Y	Y	Y		6
14	UEE	IV/I	Y	Y			Y				Y	Y				Y		Y			Y	8
15	LICA	IV/I	Y	Y					Y			Y						Y			Y	6
16	PSOC	IV/I	Y	Y	Y						Y	Y	Y					Y			Y	8
17	SGP	IV/I	Y	Y	Y						Y	Y						Y			Y	7
18	INST	IV/I	Y	Y							Y	Y	Y				Y	Y			Y	7
19	SEM	IV/I	Y	Y			Y				Y	Y									Y	6
20	TH LAB	II/I	Y	Y	Y	Y		Y	Y													6
21	EC LAB	II/I	Y	Y	Y	Y		Y	Y													6
22	EM-II LAB	III/I	Y	Y	Y	Y		Y	Y													6
23	CS LAB	III/I	Y	Y	Y	Y		Y	Y													6
24	EMS LAB	III/I	Y	Y	Y	Y		Y	Y													6
25	ES LAB	IV/I	Y	Y	Y	Y		Y	Y													6
26	PS&S LAB	IV/I	Y	Y	Y	Y		Y	Y													6
	Count		26	26	10	7	4	9	8	1	10	18	4	1	2	3	3	13	1	1	16	

ACADEMIC YEAR 2020-21 EVEN SEM (II Year-R19, III Year-R16, IV Year-R16)

S.NO	Course Name	Year/ Sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total no. of Methodologies
1	EMI	II/II	Y	Y				Y			Y	Y	Y				Y				Y	8
2	EM-II	II/II	Y	Y	Y						Y	Y						Y			Y	7
3	DE	II/II	Y	Y							Y	Y						Y			Y	6
4	CS	II/II	Y	Y	Y						Y		Y					Y			Y	7
5	PS-I	II/II	Y	Y							Y	Y			Y	Y		Y			Y	8
6	SS	II/II	Y	Y		Y					Y	Y						Y			Y	7
7	PE&HV	II/II	Y	Y								Y		Y					Y	Y		6
8	PECD	III/II	Y	Y	Y				Y		Y	Y						Y			Y	8
9	PSA	III/II	Y	Y					Y			Y						Y			Y	6
10	MPMC	III/II	Y	Y			Y				Y	Y						Y			Y	7
11	DS	III/II	Y	Y		Y	Y											Y			Y	6
12	EACM	III/II	Y	Y							Y	Y									Y	5
13	PE&HV	II/II	Y	Y								Y		Y					Y	Y		6
14	DCS	IV/II	Y	Y								Y						Y			Y	5
15	HVDC	IV/II	Y	Y	Y						Y	Y					Y	Y			Y	8
16	EDS	IV/II	Y	Y							Y	Y	Y				Y	Y			Y	8
17	FACTS	IV/II	Y	Y					Y		Y	Y						Y			Y	7
18	EM-I LAB	II/II	Y	Y	Y	Y		Y	Y	Y												7
19	EDC LAB	II/II	Y	Y	Y	Y		Y	Y													6
20	PE LAB	III/II	Y	Y	Y	Y		Y	Y													6
21	MPMC LAB	III/II	Y	Y	Y	Y		Y	Y													6
22	DS LAB	III/II	Y	Y	Y	Y		Y	Y													6
23	SEMINAR	IV/II	Y	Y	Y	Y		Y	Y			Y										7
24	PROJECT	IV/II	Y	Y	Y	Y		Y	Y			Y										7
	Count		24	24	11	9	2	8	10	1	12	17	3	2	1	1	3	13	2	2	15	

Teaching Methodologies

1	Chalk & Talk	11	Brain Storming Sheet
2	PPT	12	Buzz groups
3	Visualization	13	Animated lectures
4	Co-operative learning	14	Pictorial session
5	Enquiry based instruction	15	Debate session
6	Differentiation	16	Quiz
7	Technology	17	Professional development
8	Virtual lab	18	Behavior management
9	NPTEL Video	19	Web reference
10	Seminar		

Additional Measures

Students are advised to take MOOCS Courses – Massive Open Online Courses, watch NPTEL videos & solve assignments, give presentations and participate in group discussions etc. This improves their basic knowledge in the respective course and communication skills.

Tutorial/Remedial classes are conducted for the slow learners based on their performance in internal exams.

C. Methodologies used to support slow learners and encourage fast learners:

Attention to all the students will be given priority to achieve the course outcomes. In this context, slow learner and bright students are identified. These students are identified based the previous semester academic results, continuous assessment and lab experiments evaluations who are not attained the POs to the required level. The assessment may be varied from one course to another course and program to program also. After the completion of First Mid (Internal exam), we will identify the bright and weak students. The criteria for identifying them is if any student scored more than 70 percentage of marks in a particular course, he will be considered as bright student, if an particular students scores less than 40 percentage of marks in a particular course, he will be considered as weak student in that particular course. The same method will be applied to all the courses.

To improve the performance of the slow learners, the following actions were taken:

- Remedial classes and additional make-up tests help academically weaker students
- Proctoring or mentoring system is adopted to help at individual levels.
- Access to self-learning tools such as Internet facilities, e-learning activities
- Peer learning activities are done for slow students to be helped by quick learners

To ensure engagement of quick learners, the following steps we adopted:

- Guidance is given for Career Advancement
- Encouraged to participate and involve in different clubs/societies such as Student Technical Society activities, Departmental Association Activities, technical fests and cultural fests
- Encouraged to appear for GATE, GRE, IELTS, CAT etc.
- Encouraged to participate in National and International level competitions for various technical and cultural activities
- Access to latest E-learning (NPTEL) content and reference materials

Impact analysis

- The number of slow learners is reduced in number
- Improved results and less number of failures in each subjects
- Improvement in practical knowledge of students
- New project ideas are derived
- Active participation of students in Technical events.
- Appreciation from the parents.
- The students could perform well in placement interviews because of the CRT classes.

D. Quality of Class room Teaching:

As per the time table all the faculty will attend the classes and laboratory sessions. In our institution the policy is every faculty must attend the class at least five minutes before the actual schedule of the class. After the completion of class the present faculty will have to wait if the next faculty not arrives to the same section. At frequent intervals of time principal will comes for monitoring and observing the classes and labs. Head of the department will also daily monitor the classes and labs for smooth conduction of the sessions. In case of any faculty not attends the class, the class representative will immediately inform the same to the notice of class teacher. Then the respective class teacher will alert the concern faculty or any other faculty to engage the class without distributing his/her other classes or lab sessions.

E. Conduct of Experiments:

- The laboratory experience is a vital part of the learning process. Students learn and retain information more effectively after the hands-on experience.
- For smooth conduct of laboratory experiments students are divided into batches with 3 members per batch.
- In every semester, the first laboratory session is allotted for demonstration purpose, where laboratory instructor will explain Do‘s, Don‘ts and precautions to be taken in the laboratory. In the same session students are exposed to all the experiments and related equipment. Students are instructed on departmental policies regarding the maintenance of laboratory, observation and record books.
- A pre- laboratory write-up (observation) by students ensures that the student has read the experimental procedure which helps in time management.

- Laboratory Instructor will check the readiness of the student about the purpose and procedures of the experiment through viva-voce before proceeding for experiment.
- Students will note down the observations during the conduct of experiment and do the necessary calculations and analysis, if any. Before leaving the laboratory, instructor will evaluate the observation book and performance of the student.
- In additions to maintaining observation book, students are expected to submit the record book on completion of the experiment in next laboratory session.
- Laboratory manuals are given to the students at the commencement of the semester.
- One or two experiments are conducted beyond the specified list for relevant laboratory courses.

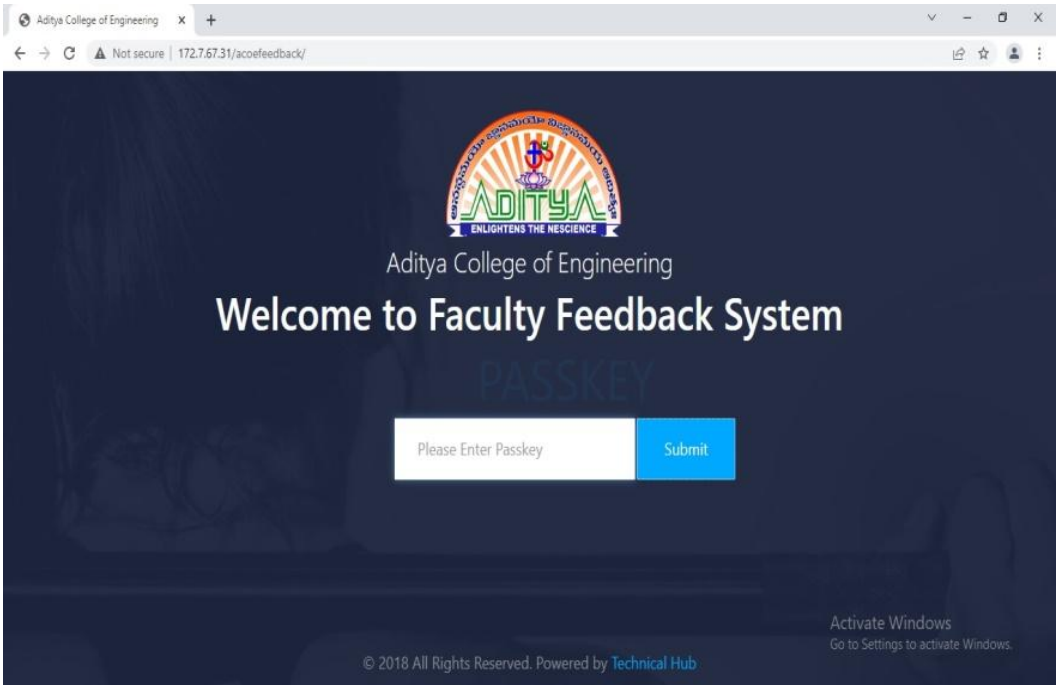
F. Continuous assessment in the Laboratory:

Continuous assessment process is also implemented to assess the all laboratory courses. During the laboratory session, viva questions will be asked to assess the students learning outcome and understanding of the experiment is evaluated. Each student's observation and record will be verified for continuous evaluation.

G.Student feedback on teaching learning process and actions taken

- Class work Review Committee (CRC) meetings are conducted twice in each semester to discuss syllabus coverage, student performance and problems of the students/faculty if any, and necessary suggestions will be given.
- Head of the department monitors the lecture classes and gives suggestions to improve the Teaching-Learning process.
- The Institute has a regular practice of collecting the feedback from the students regarding the content delivery, their understanding capability about the concepts taught by the faculty, speed of content delivery and board management.
- The feedback is analyzed, and orientation classes will be conducted for the faculty with substandard feedback for improvement.
- Faculty Development Programs are organized by the department to the enhancement and up gradation of latest trends in technology.
- Training classes are organized for faculty and students to get exposure with modern tools required for the development of real time projects and implementation.
- Faculties of the department undergo training courses related to quality improvement in engineering education to impart pedagogical methods in teaching.
- The institute has a procedure of collecting feedback from students twice in every semester.
- The feedback form is designed such that the student can express the difficulties encountered in learning a course by a particular faculty handling the course. The collected feedback will be summarized and is communicated to the faculty. This feedback is also considered as a part of Annual Performance Appraisal with a weight age of 25% in Teaching-Learning and Evaluation category. More than 90% of the

faculties are graded on 9-to-10-point scale which evidences for good quality in the teaching. Corrective actions are suggested to the concerned faculty if need arises.



Sample of Feedback forms:

ACADEMIC YEAR:
2021-2022

CH UMA PHANEENDRA KUMAR					
Subject	**POWER SYSTEMS-II**				
Sem - Branch - Section	**5-EEE-A**				
Department	**EEE**				
Email	**chaturvedula_eee@acoe.edu.in**				
	Below Average	**Average**	**Good**	**Very Good**	**Percentage**
Subject Depth Theory	1	0	13	6	80
Way of Teaching Theory	0	2	12	6	80
Involvement in Teaching (commitment) Theory	0	1	12	7	82.5
The teacher is regular & prompt to the class Theory	0	1	9	10	86.25
Overall Assessment Theory	0	1	13	6	81.25
No of Students	20		Overal %		**82**
Suggestions					
good					
user friendly of students					
exceent and best knowledge ever tnqq for providing this sir.....					

ACADEMIC YEAR: 2020-2021

CH MANOJ					
Subject	**Electrical Circuit Analysis - II**				
Sem - Branch - Section	**3-EEE-A**				
Department	**EEE**				
Email	manoj_eee@acoe.edu.in				
	Below Average	**Average**	**Good**	**Very Good**	**Percentage**
Subject Depth Theory	0	1	6	17	91.67
Way of Teaching Theory	0	1	6	17	91.67
Involvement in Teaching	0	1	5	18	92.71

(commitment) Theory					
The teacher is regular & prompt to the class Theory	0	1	5	18	92.71
Overall Assessment Theory	0	1	6	17	91.67
No. of Students	24		Overal %		**92.08**
Suggestions					
excellent sir					
AVERAGE					
super teaching.....					
i understood each and every point clearly, teaching is perfect					
VERY GOOD SIR					

Action Taken:

The faculty with less feedback is asked to give an orientation class before Principal, HOD and another senior subject faculty. Based on the performance, panel members will provide to improve teaching skills. The lecture notes of the faculty are reviewed and suggested to improve the quality by referring more books and rewrite the content. After 2-3 weeks, feedback is again taken from students in the subject for necessary action. In extreme cases, where the faculty member is unable to improve to the minimum desired standard, the faculty member is advised to improve, and the course is allotted to another faculty.

Impact analysis:

The faculty will improve their presentation skills in the content delivery through orientation classes. The continuous improvement of substandard feedback in teaching by the faculty helps the student to have good academic record.

Mentoring system initiatives and implementation

- Each staff member is allocated a group of 20 students for mentoring.
- The mentor will regularly monitor student's performance and attendance, and counsel the students personally.
- Student performance and mentoring details are maintained in a separate counselling book (ECAP) by respective mentors and updated periodically.
- Mentoring includes career guidance, student's participation in events like quiz, paper presentation, mini projects and technical fests etc.,
- The mentors also have periodic interaction with the parents over phone about the performance of their wards.
- Every parent is informed about the internal marks and the attendance through short messages.

2.2.2. Quality of internal semester Question papers, Assignments and Evaluation (20)

A. Process for internal semester Question papers, Assignments and Evaluation:

- Each faculty prepares the internal examination and the assignments considering the entire coverage of the COs and also the taxonomy as appropriate.
- The question paper is set according to the distribution of the marks for each course outcome. Each question is mapped with COs and Taxonomy levels (TL).
- The students are tested for their skills acquired in the classroom with the help of internal exam 1 and 2.
- Along with they will be evaluated with Two Home Assignments to find whether they attained the course outcomes.
- The internal Question Papers were prepared by the respective faculty which covers the entire CO s.

Mid Semester Question Paper Description:

For theory courses, there shall be 2 internal exams per semester:

For **R16 Regulation** marks allotted for internal examination is 30 which is divided as

Descriptive exam - 15 marks
Assignment - 05marks
Objective exam -10 marks (conducted online with 20 multiple choice questions each question carries ½ mark).

For R19 Regulation marks allotted for internal examination is 25 which is divided as

Descriptive exam - 10 marks
Assignment - 05marks
Objective exam -10 marks (conducted online with 20 multiple choice questions each question carries ½ mark).

The objective examination is of 20 minutes duration. The descriptive examination is of 90 minutes duration.

For R16 Regulation the syllabus is framed in 6 units, the 1st mid examination (for both descriptive and objective) is conducted in 1-3 units and second mid examination is conducted in 4-6 units of each course.

For R19 Regulation the syllabus is framed in 5 units, the 1st mid examination (for both descriptive and objective) is conducted in first 2 ½ units and second mid examination is conducted in remaining 2 ½ units of each course.

Each descriptive question paper consists of 3 questions and all questions need to be answered.

Two tests will be conducted i.e. 80% marks from the best one and 20% marks from the other one will be taken for internal marks.

Mid Semester 1 and Mid Semester 2 Examinations will be conducted as per the University Prescribed Examination Schedule. University will give circular to all the affiliated institutions regarding the examination well in advance.

While preparing the Mid Question papers special attention will be taken in preparation of questions to test the attainment levels of the students to meet Course Outcomes, POs and PSOs.

As our intuition is affiliated to JNTU Kakinada, The End Semester Examination will be conducted by the University itself. The Question paper will be prepared by the University which is common to all the affiliated colleges. After the Examination, the same question paper will be analyzed.

The following are the 2 Home Assignments given to the students. While preparing the Home Assignment questions, faculty will try to cover all the possible taxonomies to the maximum extent.

For formative assessment total two home assignment will be given to the students. Home assignment one will be covered from the first 2 1/2 units, last 2 1/2 units for the home assignment two. Each assignment will be evaluated for maximum 15 marks. While giving the home assignment question special attention will be taken in preparation of questions to test the attainment levels of the students to meet Course Outcomes, POs and PSOs.

A sample Mid-1 question paper of Electrical Machines-2 is given below:

ADITYA COLLEGE OF ENGINEERING
Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Department of Electrical and Electronics Engineering

Academic Year: 2020-21 **MID- I**

Programme: EEE	**Class:** II B. Tech **Semester :** II **Sec :** - A
Course Code: R1922022 **Reg:**R-19 **Course Title:** Electrical Machines-2	**Date:** 24-08-2021 **Time:** 90min

Instructions:Answer all the Questions

Maximum marks: 30

SL.NO	Taxonomy Descriptor	CO	Questions	Marks
1. a)	Understand	CO1	Discuss in detail about the principle of operation of a 3-phase induction motor?	5
b)	Remember	CO1	List the differences between squirrel cage rotor and slip ring rotor?	5
2. a)	Understand	CO2	Explain the torque slip characteristic of 3-phase induction motor?	5
b)	Apply	CO1	A 1000 V, 50 HZ, 3-phase induction motor has star connected stator. The ratio of stator to rotor is 3.6 the standstill impedance of rotor per phase is 0.01+j 0.2 Ohm calculate (i) Rotor current at start (ii) Rotor P.F at start (iii) Rotor current at slip of 3%?	5
3. a)	Understand	CO3	Explain the constructional details and principle of operation of a split phase induction motor List out its industrial applications?	5
b)	Understand	CO3	What are different types of single phase induction motors and what are their applications?	5

A sample Mid-2 question paper of Electrical Machines-2 is given below:

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Department of Electrical and Electronics Engineering

Academic Year: 2020-21 **MID- 2**

Programme: EEE	**Class:** II B. Tech **Semester:** II **Sec :** -A
Course Code: R1922022 **Reg:**R-19 **Course Title:** Electrical Machines-2	**Date:** 24.08.2021 **Time:** 90min

Instructions: Answer all the Questions **Maximum marks: 30**

SL.NO	Taxonomy Descriptor	CO	Questions	Marks
1. a)	Understand	CO4	Explain the principle of operation of a synchronous generator?	5
b)	Apply	CO4	A 3-phase, 16-pole alternator has the following data Number of slots=192, conductors/slot=8; coil span=160 electrical degree speed of the alternator=375 rpm; flux/pole=55 mWb; Calculate the phase and Line voltages?	5
2.	Understand	CO5	Explain the various starting methods of synchronous motor?	10
3. a)	Understand	CO4	Explain the EMF method of determining the regulation of an alternator?	5
b)	Understand	CO5	Explain the significance of V curves and inverted V-curves?	5

The following is the Sample university question paper of ELECTRICAL MACHINES-II with CO's and Taxonomy levels

Code No: R1922022 | R19 | SET - 1

II B. Tech II Semester Regular Examinations, August/ September - 2021
ELECTRICAL MACHINES - II
(Electrical and Electronics Engineering)

Time: 3 hours | Max. Marks: 75

Answer any **FIVE** Questions each Question from each unit
All Questions carry **Equal** Marks

1	a)	Discuss the points of similarities between a transformer and an induction machine. Hence, explain why an induction machine is called a generalized transformer.	[8M]	CO1-TL1
	b)	Show that the voltage generated in the rotor circuit of a 3-phase induction motor at any slip S is equal to S times the voltage generated at standstill.	[7M]	CO1-TL2
		Or		
2	a)	Explain why the power factor of a 3-phase induction motor is low at no load and also under overloads.	[6M]	CO1-TL2
	b)	A 3-ϕ, 50Hz, 6- pole, 400V induction motor draws an input power to the rotor is 70kW. The motor emf is observed to make 120 cycles/minute. Calculate i) the slip, ii) rotor speed, iii) Mechanical power developed, iv) rotor resistance loss/phase and v) the rotor resistance/ phase, if the rotor current is 65A.	[9M]	CO1-TL3
3	a)	Compare the relative merits and demerits of cage rotor and wound rotor induction motors of the same power rating	[7M]	CO2-TL2
	b)	A 6-pole, 50Hz, 3-ϕ induction motor at what value of slip does the maximum torque obtain? and a motor has a full load slip of 0.04. The maximum torque is twice the full load torque.	[8M]	CO2-TL3
		Or		
4	a)	Explain the speed control of induction motor with V/f control method.	[6M]	CO2-TL2
	b)	A 3-ϕ, 15.38 kW, 415V, 50Hz star connected Induction motor yielded the following data on testing. No load test : 415V 7.4A, $\cos\phi_0 = 0.25$ Blocked rotor test: 220V 48A $\cos\phi_s = 0.42$ From the circle diagram find i) line current, ii) Power factor and iii) Efficiency at rated load?	[9M]	CO2-TL3
5	a)	Explain the construction and working of a split phase single phase induction motor.	[8M]	CO3-TL2
	b)	Explain why a single-phase induction motor has zero starting torque.	[7M]	CO3-TL2
		Or		
6	a)	Explain the principle of operation of single-phase induction motor based on "double revolving field theory".	[7M]	CO3-TL2
	b)	A 230 V, 50 Hz, 4-pole, single phase motor has the following equivalent circuit parameters: $R_1 = 2.2\Omega$, $X_1 = 3.1\Omega$ and $X_m = 80\ \Omega$ $R'_2 = 4.4\Omega$, $X'_2 = 2.6\Omega$ If the motor is running at 1450 rpm, calculate (i)Slip, (ii) input current, (iii) power factor, (iv) input power, (v) output power and (vi) efficiency. Assume the friction, windage and core losses to be 50W	[8M]	CO3-TL4

Code No: R1922022 R19 SET - 1

7	a)	Give the Constructional details of rotor of both non-salient and salient pole synchronous machine.	[7M]	CO4-TL2
	b)	What is armature reaction. Explain the effect of armature reaction on the terminal voltage of an alternator at different p.f conditions.	[8M]	CO6-TL2
		Or		
8	a)	Explain the voltage regulation by synchronous impedance method of an alternator.	[8M]	CO6-TL2
	b)	What do you mean by synchronizing of alternator? Describe any one method of synchronizing.	[7M]	CO6-TL2
9	a)	Explain the with neat sketches the principle of operation of a 3-phase synchronous motor.	[8M]	CO5-TL2
	b)	The synchronous reactance per phase of a 3-phase, star connected 6600 V synchronous motor is 20 ohms. For a certain load the input is 900 kW at normal voltage and the induced line emf is 8500 V. Determine the line current and power factor.	[7M]	CO5-TL3
		Or		
10	a)	Describe the effect of varying excitation on armature current and power factor in a synchronous motor. Draw V-Curve and state their significance.	[7M]	CO5-TL2
	b)	State the characteristics features of a 3-phase synchronous motor.	[4M]	CO5-TL1
	c)	Explain the applications of synchronous motor.	[4M]	CO5-TL2

C. Evidence of COs coverage in class test / mid-term tests

Following is the analysis of the CO and taxonomy coverage in the internal examinations for the AY 20-21, 2nd year 1st semester

Internal Examination CO Coverage Analysis

S. No	Course Code	NBA Course Code	Course Name	CO1%	CO2%	CO3%	CO4%	CO5%	CO6%
1	R1921021	C211	Electrical Circuit Analysis - II	16.66	16.66	16.66	16.66	16.66	
2	R1921022	C212	Electrical Machines-I	16.66	16.66	16.66	16.66	16.66	16.66
3	R1921023	C213	Electronic Devices and Circuits	16.66	16.66	33.33	16.66		16.66
4	R1921024	C214	Electro Magnetic Fields	18.41	17.24	19.68	14.83	14.83	14.83
5	R1921025	C215	Thermal and Hydro Prime movers	16.66	8.33	8.33	26.66	16.66	23.33
6	R1921026	C216	Managerial Economics & Financial Analysis	16.66	16.66	16.66	16.66	16.66	16.66

Internal Examination Taxonomy Coverage Analysis

S. No	Course Code	NBA Course Code	Course Name	TL1 %	TL2 %	TL3 %	TL4 %	TL5 %	TL6 %
1	R1921021	C211	Electrical Circuit Analysis - II			100			
2	R1921022	C212	Electrical Machines-I		50	50			
3	R1921023	C213	Electronic Devices and Circuits		66.66	16.66	16.66		
4	R1921024	C214	Electro Magnetic Fields	8.33	29.17	8.33	8.33	16.33	29.17
5	R1921025	C215	Thermal and Hydro Prime movers	23.33	23.33	18.33	35		
6	R1921026	C216	Managerial Economics & Financial Analysis		33.33	33.33	33.33		

BL – Bloom's Taxonomy Levels (TL1- Remembering, TL2- Understanding, TL3 – Applying, TL4 – Analysing, TL5 – Evaluating, TL6 -Creating)

Following is the analysis of the CO and taxonomy coverage in the internal examinations for the AY 20-21, 3rd year 1st semester

Internal Examination CO Coverage Analysis

S. No	Course Code	NBA Course Code	Course Name	CO1%	CO2%	CO3%	CO4%	CO5%	CO6%
1	R1631021	C311	Power Systems-II	17	16	16	18	18	16
2	R1631022	C312	Renewable Energy Sources	16.8	17.64	17.64	15.9	15.9	15.9
3	R1631023	C313	Signals and Systems	16.66	16.66	16.66	14.66	18.66	16.66
4	R1631024	C314	Pulse & Digital Circuits	0	66.66	33.33	16.66		83.33
5	R1631025	C315	Power Electronics	16.66	16.66	16.66	16.66	16.66	16.66

Internal Examination Taxonomy Coverage Analysis

S. No	Course Code	Course Code	Course Name	TL1 %	TL2 %	TL3 %	TL4 %	TL5 %	TL6 %
1	R1631021	C311	Power Systems-II	8	38.3	53.3			
2	R1631022	C312	Renewable Energy Sources	33	33		33		
3	R1631023	C313	Signals and Systems	24.99	16.66	33.32		24.99	
4	R1631024	C314	Pulse & Digital Circuits	0	58.33	25	16.67		
5	R1631025	C315	Power Electronics	6.66	33.33	41.66	18.33		

BL – Bloom's Taxonomy Levels (TL1- Remembering, TL2- Understanding, TL3 – Applying, TL4 – Analysing, TL5 – Evaluating, TL6 -Creating)

Following is the analysis of the CO and taxonomy coverage in the internal examinations for the AY 20-21, 4th year 1st semester

Internal Examination CO Coverage Analysis

S. No	Course Code	NBA Course Code	Course Name	CO1%	CO2%	CO3%	CO4%	CO5%	CO6%
1	R1641021	C411	Utilization of Electrical Energy	13.14	10.48	13.14	15.81	15.81	15.81
2	R1641022	C412	Linear IC Applications	16.66	16.66	16.66	16.66	16.66	16.66
3	R1641023	C413	Power System Operation & Control	16.66	8.33	16.66	8.33	16.66	16.66
4	R1641024	C414	Switchgear and Protection	16.66	16.66	16.66	16.66	16.66	16.66
5	R164102D	C415	Instrumentation	16.93	16.93	16.93	15.32	16.93	16.93
6	R164102G	C416	Special Electrical Machines	15	17	12	17	19	19

Internal Examination Taxonomy Coverage Analysis

S. No	Course Code	NBA Course Code	Course Name	TL1 %	TL2 %	TL3 %	TL4 %	TL5 %	TL6 %
1	R1641021	C411	Utilization of Electrical Energy	50	33.33	16.67			
2	R1641022	C412	Linear IC Applications	16.66	66.66	16.66			
3	R1641023	C413	Power System Operation & Control	8.33	66.66	41.66			
4	R1641024	C414	Switchgear and Protection		75	25			
5	R164102D	C415	Instrumentation	50	50				
6	R164102G	C416	Special Electrical Machines	59	16		25		

BL – Bloom's Taxonomy Levels (TL1- Remembering, TL2- Understanding, TL3 – Applying, TL4 – Analysing, TL5 – Evaluating, TL6 -Creating)

D. Quality of Assignment and its relevance to COs

- Assignments promote practice.
- Assignment may include theory, design, analysis and problems.
- A minimum of two assignments are given for every course and each assignment is evaluated for 5 marks.

A sample Assignment-1 question paper of Electrical Machines-II is given below:

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Department of Electrical and Electronics Engineering

Academic Year: 2020-21 **ASSIGNMENT- I**

Programme: EEE	**Class:** II B. Tech **Semester :** II **Sec :** -
Course Code: R1922022 **Course Title:** Electrical Machines-II	**Reg:**R-19

Instructions: Answer all the Questions **Maximum marks: 15**

SL.NO	Taxonomy Descriptor	Knowledge Level	CO	Questions	Marks
1.	Understand	K2	CO1	Explain the principle of operation of 3-phase induction motor and explain how the rotating magnetic field is produced by 3-phase currents?	5
2.	Apply	K3	CO2	Derive an expression for the torque of an induction motor and obtain the condition for Maximum torque?	5
3.	Understand	K2	CO3	Explain the construction and working of a split phase single phase induction Motor?	5

A sample Assignment-2 question paper of Electrical Machines-II is given below:

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Department of Electrical and Electronics Engineering

Academic Year: 2020-21 **ASSIGNMENT- II**

Programme: EEE	**Class**: II B. Tech **Semester** : II **Sec** : -
Course Code: R1922022 **Course Title**: Electrical Machines-II	**Reg:**R-19

Instructions: Answer all the Questions **Maximum marks: 15**

SL.NO	Taxonomy Descriptor	Knowledge Level	CO	Questions	Marks
1.	Understand	K2	CO3	Explain the constructional features and working principle of capacitor start Induction motor with their applications?	5
2.	Understand	K2	CO4	Explain the voltage regulation by synchronous impedance method of an Alternator?	5
3.	Understand	K2	CO5	Discuss in detail about starting of synchronous motors with the help of damper Windings?	5

Evaluation:

- For every question paper the scheme of evaluation is prepared by the course coordinator and distributed to course instructors.
- The course instructor evaluates the answer scripts based on the scheme of evaluation.
- After every internal assessment course instructor will distribute the corrected answer scripts to the students and discuss the solutions/answers in the class room.
- The better of the two tests (i.e. 80% marks from the better test and 20% marks from the reaming test) will be taken as internal marks.
- For calculation of CO-PO attainment, the average of sum total of the marks obtained by all students who attempted a particular question is considered.

A sample scheme of evaluation is given below:

MID-I SCHEME OF EVALUATION

II Year II Semester **Course Code:** R1922022

Course Name: Electrical Machines -II

1. a) Discuss in detail about the principle of operation of a 3-phase induction motor?
. **(CO1-**Understand**) -5M**

Principle of operation ---------3M
Construction diagram----------2M

b)List the differences between squirrel cage rotor and slip ring rotor?
(CO1- Remember**)-5M**

Per each difference ----1M
Total-------5M

2. a) Explain the torque slip characteristic of 3-phase induction motor?
(CO2- Understand**)-5M**

Equations ---------- 2M
Characteristics----------3M

b. A 1000 V, 50 HZ, 3-phase induction motor has star connected stator. The ratio of stator to rotor is 3.6 the standstill impedance of rotor per phase is 0.01+j 0.2 Ohm calculate (i) Rotor current at start (ii) Rotor P.F at start (iii) Rotor current at slip of 3%?
(CO1-Apply)-5M

Formula ---------- 2M
Substitution & answer ------3M

3.a) Explain the constructional details and principle of operation of a split phase induction motor List out its industrial applications?
(CO3-Understand**)-5M**

Construction ----------2M
Operation----------2M
Applications----------1M

b) What are different types of single phase induction motors and what are their applications?

(CO3-Understand**)-5M**

Different types of I.Ms ----------3M
Applications ----------2M

MID-II SCHEME OF EVALUATION

II Year II Semester **Course Code:** R1922022

Course Name: Electrical Machines -II

1. a) Explain the principle of operation of a synchronous generator?
(CO4-Understand**) -5M**

Principle of operation ---------3M
Construction diagram----------2M

b)A 3-phase, 16-pole alternator has the following data Number of slots=192, conductors/slot=8; coil span=160 electrical degree speed of the alternator=375 rpm; flux/pole=55 mWb; Calculate the phase and Line voltages?
(CO4- Apply**)-5M**

Formula ---------- 1M
Substitution & answer ------4M

2. Explain the various starting methods of synchronous motor?
(CO5- Understand**)-10M**

Operating principle -------2M
starting methods-----8M

3.a) Explain the EMF method of determining the regulation of an alternator?
(CO4-Understand**)-5M**

Method Explanation ----------3M
Equations----------2M

b) Explain the significance of V curves and inverted V-curves
(CO5-Understand**)-5M**

Diagram----------1M
Significance of curves -------- 4M

2.2.3 QUALITY OF PROJECTS (25)

A. Formation of Projects Batches and Guide allocation

- A senior faculty member is nominated as department level project coordinator to coordinate all the activities related to project.
- The project coordinator is responsible to care of allocating project to the students & mapping the batches to guides and evaluation.
- The entire faculty Specializations and their research areas will be collected and the same is communicated to the students through an email, notice boards and official WhatsApp groups.
- List of projects are identified and same is communicated to all the students. Project batches are formed based on the project title and performance of the students in the 6th Semester.
- Students can choose project from the list of projects which were circulated to them.
- At maximum each project batch will have up to 4 students only.
- Each faculty shall be allocated at most 2 batches only.
- The final decision, i.e., allocation of batches, guides will be done after departmental meeting and the same is recorded in minutes.

Project allocation for the Academic Year 2021-22:

SECTION-A

S. No	Roll. No	Student Name	Batch	Guide	Title
1	18MH1A0204	Tumpala Neelima	1	Mr. K. Manoz Kumar Reddy	Enhanced Autonomous Robot with Central Navigation System
2	19MH5A0213	Chippada Surya Vamsi			
3	19MH5A0218	Ganeshula Durga Surya Vamsi			
4	19MH5A0207	Batreddi Venkataswamy			
5	19MH5A0206	Bassa Manikanta			
1	19MH5A0219	Velaga Anil Kumar	2	Dr. M. Ravindra	Power Meter Billing and Load control using GSM
2	19MH5A0228	Kankipati Ram Kumar			
3	19MH5A0226	Kanchumarthi Ramakrishna			
4	19MH5A0236	Magapu Mani Teja			
5	19MH5A0220	Ganta Veeravenkat			

1	19MH5A0233	Kunche Nanibabu	3	Mrs. K..Lakshmi	Industry Monitory System using System Arduino & IOT
2	19MH5A0217	Gandreti Nookaraju			
3	19MH5A0202	Avasarala Venkata Sai Ramdas			
4	19MH5A0216	Dendukuri Srinivas			
5	19MH5A0212	Chikkala Vikash Raju			
1	19MH5A0215	Dangeti Kameswara Rao	4	Mr.Ch.U.P Kumar	Bike Locking System using IOT
2	19MH5A0201	Adapa Veerendra			
3	19MH5A0235	Magapu Jeevan Charan			
4	19MH5A0214	Chopparapu Mohan			
5	19MH5A0205	Bantu Veera Sai Datta			
1	19MH5A0225	Kancharla Veera Venkata Ram Mohan	5	Mrs. T.Padmaja Rani	An IOT Based Automated Communication system for Paralyzed Patents using simple Hand Gestures
2	18MH1A0205	U Guru Prasad			
3	19MH5A0232	Kotari Chandu Venkat Dinesh			
4	19MH5A0211	Bunga Aakash			
5	19MH5A0203	Bala Siva Sankara Manikanta Dora			
1	18MH1A0202	Ch Prakash	6	Mr. T. Lakshmi Narayana	IOT Monitored Brushless DC Motor Speed control using ARDUINO
2	19MH5A0230	Komarthi Ganesh			
3	19MH5A0221	Garaga Naga Durga Syam Prasad			
4	19MH5A0208	Bhavaraju Saisurya Prakasarao			
1	19MH5A0229	Karagani Ajay Narayana	7	Mr.Ch. Manoj	Multi-Tasking ROBOT
2	19MH5A0227	Kandukuri Naga Giriraja Arun Pratap			
3	19MH5A0209	Boda Krishna Chaitanya			
4	19MH5A0210	Bollapragada S Ss Abhishek			
1	19MH5A0231	Kommana Haridatta	8	Dr.A. S. S. Veerendra Babu	E-Bike
2	19MH5A0234	Maddala Shanmukh			
3	19MH5A0223	Inagadapu Rupeswar			
4	19MH5A0222	Gollapalli Abhishek			
5	19MH5A0224	Jilam Hemanth Raju			

SECTION-B

S. No	Roll. No	Student Name	Batch	Guide	Title
1	19MH5A0263	Thippana Surendra	1	Dr.A.S.S.Veerendra Babu	Design and Implementation of Transformers Health Monitoring system using IOT
2	19MH5A0238	Vanka Gangadhar			
3	19MH5A0258	Sreepathi Ganga Krishna Ganesh			
4	19MH5A0254	Sana Vijay Ramesh			
5	19MH5A0251	Rangireddy Sai Durga Siva Satya Prasad			
1	19MH5A0248	Pothu Shanti	2	Mr. D.Tata Rao	IOT based Smart grid
2	19MH5A0266	Vakada Saran Kumar			
3	19MH5A0242	Nakkireddy Yaswanth Kumar			
4	19MH5A0241	Mummidi Siva Chakradhar			
5	19MH5A0250	Ramireddy Satya Rama Manikanta			
1	19MH5A0243	Neerukonda Naveen	3	Mr. M.Satyanarayana Raju	Electric Bicycle
2	19MH5A0247	Palla Vijay			
3	19MH5A0237	Mancharla Saitarun			
4	19MH5A0264	Thottipudi Chakra Sriram			
5	19MH5A0252	Rapeti Manikanta			
1	19MH5A0255	Sidda Jagadeeswari	4	Mrs. T.Himaja	Hybrid power generation using Wind-Solar energy controlled by using IOT
2	19MH5A0239	Mukka Naga Siva Mani Kumar			
3	19MH5A0257	Siva Durga Varaprasad Vardhineedi			
4	19MH5A0244	Nekkanti Meghanath Srinivas			
5	19MH5A0262	Thadala Prakasaraja			
1	19MH5A0249	Vasamsetti Satya Sai Kumar	5	Mr. M.V.Kumar Reddy	AI based Multi-tasking Humanoid
2	19MH5A0253	Regada Pushpa Kumari			
3	19MH5A0260	Swamini Veera Venkata Satyanarayana			
4	19MH5A0256	Singuluri Pavan Kumar			
5	19MH5A0259	Suresh Padala			
1	19MH5A0265	Udata Durga Kalyan	6	Mr. M.V.Kumar Reddy	Dual Axis Solar Tracking System
2	19MH5A0261	Teki Rama Krishna Akhil			
3	19MH5A0246	Palisetty Naveen			
4	19MH5A0240	Mummidi Muttayya			

Project allocation for the Academic Year 2020-21:

S. No	Roll. No	Student Name	Batch	Guide	Project Title
1	18MH5A0201	Bojanki Satish Kumar	1	Dr. M. Ravindra	Optimal Allocation Of Phasor Measurement Units In Distribution Network For Complete Observability
2	18MH5A0215	Sattimsetti Kavya Keerthi			
3	18MH5A0225	Thatikayala Surya			
4	17MH5A0237	Savarapu Vinay Kumar			
5	18MH5A0213	Peram Sivaparvathi	2	CH Uma Phanendra Kumar	UPFC Using A Power Electronics Integrated Transformer
6	18MH5A0222	Avala Karthik			
7	18MH5A0224	Tallapudi V S C D P Prasad			
8	16MH1A0201	Allu Poornasai			
9	18MH5A0219	Yellapu Manikanta Swamy	3	Mrs. K Lakshmi	Speed Control Of BLDC Motor Using Bluetooth and Android Technology
10	18MH5A0226	Karneedi Harish			
11	18MH5A0217	Veluduti Joseph Kranthi			
12	16PA1A0238	Konna Roja			
13	18MH5A0202	Chintha Jahnavi Bindu	4	B. V. S. S. S. Gopal	Design of a Novel Seventeen-Level Inverter Based on Switched Capacitor for High Frequency Distribution Systems
14	18MH5A0208	Kuruvella Sri Sai Tejaswini			
15	18MH5A0212	Pamu Suneetha			
16	17MH5A0223	Kakaraparti Veera Ganesh			
17	18MH5A0210	Naraharisetti Lohith Kiran	5	M.V. Kumar Reddy	Arduino Based Electrical Substation Monitoring System
18	18MH5A0216	Seela Naga Veerababu			
19	18MH5A0218	Yadala Ramalakshmi			
20	17MH1A0202	Maddikonda Rata Nchand			
21	18MH5A0207	Kotari Uma Mahesh	6	M. Satyanarayana Raju	Transmission Line Fault Detection and Indication to Electricity Board Using GSM
22	18MH5A0211	Padimi Sri Venkata Satish			
23	18MH5A0220	Mohammad Arshi Elahi			
24	17MH1A0203	Vuyyuri Sharon			
25	18MH5A0204	Gokaveda Sai	7	CH. Manoj	Design and implementation of home Automation System for Smartgrid Applications
26	18MH5A0209	Nalla Sivaji			
27	18MH5A0214	Rayudu Veera Ganesh			
28	18MH5A0223	Karatapu Tri Venkata Naga Sai Kumar			

29	17MH1A0201	Boddepalli Jaya Sree	8	T. Himaja	Induction Motor Parameters Monitoring and Controlling Using IOT Technology
30	18MH5A0206	Karri Sudheswari			
31	18MH5A0203	Devagupthapu Govindaraju			
32	18MH5A0221	Chintapalli Sai Sreeram Teja			

Project allocation for the Academic Year 2019-20:

SECTION-1

S. No	Roll. No	Student Name	Batch	Guide	Title
1	17MH5A0220	Guthula Hemanth Vamsi Krishna	**1**	Dr. M.RAVINDRA	STATE ESTIMATION SOLUTION WITH OPTIMAL ALLOCATION OF PHASOR MEASUREMENT UNITS IN POWER SYSTEM
2	17MH5A0209	Bukka Aravinda Raju			
3	16MH1A0209	Okoro Chukwuebuka Cornelius			
4	17MH5A0232	Meeravath Yogendra			
5	15MH1A0255	Daldom Bashir Daldom Matouk			
6	17MH5A0210	Challa Veerababu	**2**	D.TATA RAO	DESIGN AND IMPLEMENTATION OF REAL TIME TRANSFORMER HEALTH MONITORING SYSTEM USING GSM TECHNOLOGY
7	17MH5A0206	Beeraka Venkatesh			
8	17MH5A0222	Immidisetty Adithya			
9	17MH5A0228	Kotana Ghana Sai Kumar			
10	17MH5A0221	Guttula Kalyan			
11	17MH5A0202	Kotha Veera Venkata Sai Manikanta Nikhil	**3**	CH UMA PHANENDRA KUMAR	AUTOMATIC DRIP IRRIGATION IN ORGANIC CULTIVATION USING TIMERS AND SENSORS
12	17MH5A0224	Kakinada Samanthaka Mani			
13	17MH5A0233	Neeli Sireesha			
14	17MH5A0231	Masina Veerendra			
15	17MH5A0208	Bokam Suresh			
16	17MH5A0213	Dadisetti Swamin	**4**	K.LAKSHMI	REAL TIME AUTOMATIC IRRIGATION SYSTEM USING IOT
17	17MH5A0211	Penke Umadevi			
18	17MH5A0214	Dangeti Bala Veera Siva Mallikarjuna Raju			
19	17MH5A0201	Adapa Vinay Ajay Kumar			
20	17MH5A0226	Kondipudi Pavan Babu			

21	17MH5A0238	Shaik Sameeullah	**5**	B.V.S.S.S.GOPAL	THREE WHEELED ELECTRICAL EFFICYCLE
22	17MH5A0212	Dachepalli Prudhviraj			
23	17MH5A0207	Billakurthi Rajkumar			
24	16MH1A0210	Vinjarapu Siva Satyanarayana			
25	17MH5A0227	Koppisetti Jyothiswaroop			
26	17MH5A0215	Davuluri Lavanya	**6**	B.V.S.S.S.GOPAL	OPTIMAL CAPACITOR PLACEMENT AND SIZING IN RADIAL DISTRIBUTION SYSTEM USING FLOWER POLLINATION ALGORITHM
27	17MH5A0205	Badithamani Sai Venkatesh			
28	16MH1A0205	Karri Lakshmiparvathi			
29	17MH5A0235	Polisetti Santhosh Kumar			
30	16MH1A0202	Chodi Samuel			
31	16MH1A0203	Gode Akouba Marie Angele	**7**	M.V.KUMAR REDDY	SVC BASED FLEXIBLE AC TRANSMISSION SYSTEM
32	17MH5A0230	Manda Bala Durga Venkata Rao			
33	16MH1A0206	Ugwu Pascal Chibuike			
34	17MH5A0234	Pesala Teja Kumar			
35	17MH5A0236	Samineedi Venkatanookaraju			
36	16MH1A0208	Nitin Sawakar Mendhe	**8**	U.VEERA ESWARUDU	RFID BASED TOLL GATE SYSTEM USING GSM TECHNOLOGY
37	17MH5A0204	Avantsa Balaji Sairam Manohar			
38	17MH5A0229	Kudipudi Siva Kumar			
39	17MH5A0225	Konagalla Ravi Kiran			
40	17MH5A0219	Gorla Tarun Satya Sai Viresh			
41	17MH5A0203	Allu Sivaji	**9**	M.SATYANARA YANA RAJU	WOMEN SECURITY ASSISTANCE SYSTEM WITH GPS TRACKING AND GSM TECHNOLOGY
42	17MH5A0216	Galidevara Srihari			
43	16MH1A0204	Kanikella Lakshmi			
44	17MH5A0217	Galla Veera Uma Shankar Venkat Rajesh			
45	16MH1A0211	T Navin			

SECTION-2

S. No	Roll. No	Student Name	Batch	Guide	Title
1	17MH5A0243	Batreddi Durga Manikanta	1	DR. M.RAVINDRA	SENSITIVITY BASED ALLOCATION OF PMU IN POWER SYSTEM NETWORK FOR COMPLETE OBSERVABILITY
2	17MH5A0270	Pilli Sandeep			
3	17MH5A0280	Bonam Satya Sai Manikanta			
4	17MH5A0269	Pasupuleti Venkata Kalyan			
5	17MH5A0273	Reddy Bala Subrahmanyam			
6	17MH5A0264	Koppisetti Sai Satya Priya	2	D.TATA RAO	AUTOMATIC WASTE SEGREGATION SYSTEM FOR INDUSTRIES
7	17MH5A0283	Pepakayala Paddaraju			
8	17MH5A0277	Vemavarapu Veeranna Babu			
9	17MH5A0271	Guddati Manikanta			
10	17MH5A0255	Golla Vijaybabu			
11	17MH5A0247	Dasara Santosh Kumar	3	CH UMA PHANENDRA KUMAR	HYBRID POWER GENERATION USING WIND AND SOLAR ENERGY WITH INVERTER AND ANDROID BASED LOAD CONTROL SYSTEM
12	17MH5A0260	Karri Ramakrishna Pavan Kumar			
13	17MH5A0284	Pampana Tatasuryamanikrishnakumar			
14	17MH5A0279	Bayya Rajkiran			
15	17MH5A0276	Thotakura Veeramohan			
16	17MH5A0263	Kesanakurthy N Veera Venkata Naveen Sai	4	K.LAKSHMI	SIMULATION OF VEHICLE TO GRID (V2G) SYSTEM FOR 24 HOURS
17	17MH5A0256	Gundabolu Nookaraju			
18	17MH5A0258	Karanam Naga Venkata Kalyan			
19	17MH5A0252	Gadi Surendra			
20	17MH5A0259	Karri Manendrakumar			
21	17MH5A0286	Shaik Anju	5	B.V.S.S.S. GOPAL	BI-DIRECTIONAL SPEED & DIRECTION CPNTROL OF INDUCTION MOTOR
22	17MH5A0249	Desaneedi Supriyadevi			
23	17MH5A0281	Jami Bhaskara Rao			
24	17MH5A0287	Pilla Durga Prasad			
25	17MH5A0250	Doddi Sri Subrahmanya Manikanta Kumar			

26	17MH5A0266	Kuntella Suresh	**6**	DR.M.RAVINDRA	OPTIMAL CAPACITOR PLACEMENT AND SIZING IIN RADIAL DISTRIBUTION SYSTEM USING FLOWER POLLINATION ALGORITHM
27	17MH5A0262	Katta Ram Kiran			
28	17MH5A0240	Thammana Subhash			
29	17MH5A0274	Seela Venkata Ramana			
30	17MH5A0254	Ginjala Veerendra			
31	17MH5A0244	Beri Durgesh Gurusundar Reddy	**7**	M.V.KUMAR REDDY	INTEGRATION OF PV CELL AND FOOTSTEP POWER GENERATION FOR AGRICULTURAL AND STREET LIGHT APPLICATIONS
32	17MH5A0285	Kakaraparthi Suresh			
33	17MH5A0261	Karukonda Durga Vijay			
34	17MH5A0265	Korla Sri Sai Surya Teja			
35	17MH5A0282	Vasamsetti Pavan Siva Narayana			
36	17MH5A0257	Kaduluri Ganesh	**8**	CH.MANOJ	PV BASED AUTO IRRIGATION SYSTEM BY USING GSM TECHNOLOGY
37	17MH5A0278	Adabala Siva Sai Naga Suresh			
38	17MH5A0253	Gadigatla Varaprasad			
39	17MH5A0275	Yamana Sai Jagadeesh			
40	17MH5A0242	Ande Vijay Kumar			
41	17MH5A0241	Yandra Bala Raju	**9**	T.HIMAJA	SMART PREPAID ENERGY METER WITH TAMPERING PROTECTION AND SMS BASED NOTIFICATION
42	17MH5A0246	Chitturi Hemanth			
43	17MH5A0248	Dasari Davood Kumar			
44	17MH5A0267	Neeli Pavansrimanikanta Narayana			

Project allocation for the Academic Year 2018-19:

SECTION-1

S. No	Roll. No	Student Name	Batch	Guide	Title
1	15MH1A0213	Gajula Challayamma Sravani	**1**	D.TATA RAO	ELECTRICAL VEHICLE CHARGING STATION WITH AN ENERGY STORAGE STAGE FOR SPLIT - DC BUS VOLTAGE BALANCING
2	15MH1A0246	Sammiti Siva Gopi			
3	15MH1A0223	Kaniti Venkatesh			
4	15MH1A0240	Patchitala Sriram			
5	15MH1A0232	Mummana Sriramganesh			

6	15MH1A0238	Nulu Saikiran	**2**	CH UMA PHANENDRA KUMAR	DESIGN OFA MPPT SOLAR CHARGE CONTROLLER IN MATLAB / SIMULINK
7	15MH1A0214	Godi Mutyananda Swamy			
9	15MH1A0216	Gurram Vijaya			
10	15MH1A0204	Bandaru Mani Durga Ramprasad			
11	15MH1A0231	Medisetti Chandra Sekhar	**3**	K.LAKSHMI	QUASI CASCADED H-BRIDGE FIVE LEVEL BOOST INVERTER
12	15MH1A0236	Oulai Honnieny Stephane Wilfried			
13	15MH1A0242	Posina Vamsi Kiran			
14	15MH1A0212	Dudala Vijay Kumar			
15	15MH1A0243	Puppala Hymavathy			
16	15MH1A0254	Teki Bhanu Durgasrinivas	**4**	P.BALA KRISHNA	INTELLIGENT DOOR HANDLING BY AUTOMATION
17	15MH1A0222	Kanchustambham Sairam			
18	15MH1A0229	Yerra Tulasi Bhaskar			
19	15MH1A0219	Isakoti Sundara Viswas			
20	15MH1A0230	Kothali Sai Sarat Kumar			
21	15MH1A0237	Padala Siva Durga	**5**	B.V.S.S.S.GOPAL	MODELING AND ANALYSIS OF 13-LEVEL HYBRID H-BRIDGE INVERETR WITH MINIMUM NUMBER OF SWITCHES
22	15MH1A0211	Dhulipudi Venkat			
23	15MH1A0253	Veligatla Aravind			
24	15MH1A0244	Yerramsetti Prasad Kumar			
25	15MH1A0218	Gunnam Sai Sandeep			
26	15MH1A0239	Palakurthi Sirisha	**6**	M.SOMI REDDY	A NOVEL SINGLE STAGE SINGLE PHASE RECONFIGURABLE INVERTER TOPOLOGY FOR SOLAR POWERED HYBRID AC/DC HOME
27	15MH1A0233	Nadimpalli Nagendra Varma			
28	15MH1A0201	Alli Venkata Sesha Saila Akhilesh			
29	15MH1A0251	Thamirsi Naga Siva			
30	15MH1A0209	Dantuluri Phanindra Varma			
31	15MH1A0234	Nagavarapu Rambabu	**7**	A.SRIDHAR	AUTOMATIC-IRRIGATION SYSTEM USING SOLAR POWER AND INTERCONNECTED WITH HOST GRID
32	15MH1A0250	Telagamsetti Venkatarao			
33	15MH1A0220	Kakarapalli Jaya Jithendra Surya Teja			
34	15MH1A0241	Pendyala Vamsi Chowdary			
35	15MH1A0227	Konala Rajesh Swamy			
36	15MH1A0224	Kante Lakshmi Prasanna	**8**	U.V ESWARUDU	AUTOMATIC

37	15MH1A0252	Thota Manjusha			UNDERGROUND CABLE FAULT DETACTOR BY USING GSM & IOT
38	15MH1A02210	Devisetti V V Satyanarayana Ramesh			
39	15MH1A0225	Barre Venkata Sriram Sandeep			
40	15MH1A0248	Baddi Rohini Vijaya Sree			
41	15MH1A0206	Narala Siva Durga Satish	**9**	M.V.KUMAR REDDY	A HYBRID DIESEL WIND PV BASED ENERGY GENERATOR SYSTEM WITH BRUSHLESS GENERATOR
42	15MH1A0203	Gorthi Venkata Laxmana Sastry			
43	15MH1A0235	Rampalli Bhaskara Rao			
44	15MH1A0217	Gorthi Venkata Laxmana Sastry			
45	15MH1A0221	Kalaga Shalem Kumar			
46	15MH1A0245	Avidi Sravani	**10**	N.KOTI REDDY	SMART ENERGY METER
47	15MH1A0205	Balusu Padma Priyanka			
48	15MH1A0202	Avidi Sravani			
49	15MH1A0226	Kommoju Naga Raju			

SECTION-2

S. No	Roll. No	Student Name	Batch	Guide	Title
1	16MH5A0238	Nulu Saikiran	**1**	D.TATA RAO	AUTOMATIC RATION ACQUISITION SYSTEM
2	16MH5A0236	Mohammad Ayesha Banu			
3	16MH5A0201	Akula Surya Prakash			
4	16MH5A0232	Medapureddy Gangadhar			
5	16MH5A0217	Guthula Madhu Surya Siva Chaitanya			
6	16MH5A0219	Kamineni B Anudeep	**2**	CH UMA PHANENDRA KUMAR	SMART HELMET FOR SAFE DRIVING AND PREVENTION OF ROAD ACCIDENTS
7	16MH5A0229	Madduri V V Saiprem			
8	16MH5A0210	Donthikurthi Naga Sai Siva Shankar			
9	16MH5A0245	Polavarapu Srinu			
10	16MH5A0218	Kadiyapu Durga Babu			
11	16MH5A0220	Kedarisetti Akhil	**3**	B.V.S.S.S.GOPAL	MODELING AND ANALYSIS OF 13 LEVEL HYBRID H-BRIDGE MULTILEVEL INVERTER WITH MINIMUM NUMBER OF SWITCHES
12	16MH5A0246	Pothala Chandana Sri			
13	16MH5A0205	Bandreddi Satya Sirisha			
14	16MH5A0222	Kondapalli Gangadhar			
15	16MH5A0221	Kola Surya Rao			

16	16MH5A0233	Medisetti Swamy Subrahmanyam	**4**	P.BALA KRISHNA	NEW THREE-PHASE SYMMETRICAL MULTILEVEL VOLTAGE SOURCE INVERTER
17	16MH5A0248	S Soma Sekhar			
18	16MH5A0253	Sorampudi Jhansi Satya Sai			
19	16MH5A0211	Gadugu Siva Gangadhar			
20	16MH5A0224	Korupolu Aditya Kumar			
21	16MH5A0203	Asapu Sruthi Madhuri	**5**	B.V.S.S.S.GOPAL	MODELING AND ANALYSIS OF 13-LEVEL HYBRID H-BRIDGE INVERETR WITH MINIMUM NUMBER OF SWITCHES
22	16MH5A0235	Metuku Nandini Varmitha			
23	16MH5A0250	Sanaboina Sai Srilakshmi			
24	16MH5A0259	Vasamsetti Sai Swapna			
25	16MH5A0244	Pendyala Mohan Kumar			
26	16MH5A0227	Maddala Devika	**6**	M.SOMI REDDY	A BRUSHLESS DC MOTOR DRIVE WITH POWER FACTOR CORRECTION USING LSOLATED-ZETA CONVERTER
27	16MH5A0249	Samana Manikanta			
28	16MH5A0254	Teki Bhanu Durgasrinivas			
29	16MH5A0230	Mahadasu Vijaya Lakshmi			
30	16MH5A0260	Yanamala Satyanarayana			
31	16MH5A0240	Palikela Ramachandramurthy	**7**	A.SRIDHAR	COMPREHENSIVE ANALYSIS AND REDUCTION OF TORQUE RIPPLES IN THREE-PHASE FOUR-SWICH INVERTER FED PMSM DRIVES USING SPACE VECTOR PULSE-WIDTH MODULATION
32	16MH5A0257	Uppalapati Durga Rao			
33	16MH5A0258	Vadapalli Dinesh Sai Ram			
34	16MH5A0247	Ravalsi Sai Krishna			
35	16MH5A0234	Meeravath Saipradeep			
36	16MH5A0252	Siddana Ramesh	**8**	P.SRI VENKATESH	IMPLEMENTATION OF ANTI-LOCK BREAKING SYSTEM USING FUZZY LOGIC CONTROL
37	16MH5A0256	Thota Srinivasarao			
38	16MH5A0214	Godi Mutyananda Swamy			
39	16MH5A0223	Korapakala Durga Prasad			
40	16MH5A0255	Teki Tarun			
41	16MH5A0209	Chitturi Pooja Syamala	**9**	M.V.KUMAR REDDY	MODIFIED SINGLE PHASE-SINGLE STAGE-GRID-TIED FLYING INDUCTOR INVERTER WITH MPPT AND SUPPRESSED LEKAGE CURRENT
42	16MH5A0212	Galla Venkata Satya Sainadh			
43	16MH5A0237	Nallamilli Veerababu			
44	16MH5A0231	Matlaparthi Vijay Pavankumar			
45	16MH5A0213	Garikina Vinayakateja			
46	16MH5A0204	Bandaru Mani Durga Ramprasad	**10**	N.KOTI REDDY	DETECTING THE FAILURE OF

47	16MH5A0226	Madagala Sreenivas			FREQUANCY SYNCHRONIZATION AND VOLTAGE USING ARDUINO
48	16MH5A0239	Padala Ramesh			
49	16MH5A0228	Madduri Saivenu Kumar			
50	16MH5A0207	Cheekatla Durgaprasad			
51	16MH5A0243	Patchala Venkata Sai Mani Ravindra	**11**	P.SRI VENKATESH	AUTOMATIC POWER FACTOR CORRECTION BY 8051 MICRO CONTROLLER
52	16MH5A0202	Allaka Srilakshmi			
53	16MH5A0225	Kotikalapudi Manikanta			
54	16MH5A0251	Shaik Ahmoud Alisha			
55	16MH5A0241	Pasalapudi Naveen Kumar			
56	16MH5A0208	Chidam V V S Suryanarayana	**12**	U.V.ESWARUDU	ELECTRICAL BIKE
57	16MH5A0242	Pasumarthi Veera Venkata Sai Somaraju			
58	16MH5A0216	Gurram Vijaya			
59	16MH5A0206	Bheemireddi Srirama Murthy			

B. Types and Relevance of the projects mapping with Program Outcomes and Program Specific Outcomes.

Projects shall be categorized into the following type:

- Power Systems
- Power Electronics
- Control Systems
- Electrical Machines

The Project Coordinator along with two staff members are formed as a team to ensure that the finalized projects should be mapped with Program Outcomes (PO) and Program Specific Outcomes (PSO)

Academic Year 2021-22:

S. No.	PROJECT TITLE	POs& PSOs MAPPING
1	Enhanced Autonomous Robot with Central Navigation System	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
2	Power Meter Billing and Load control using GSM	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
3	Industry Monitory System using System Arduino & IOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2

4	Bike Locking System using IOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
5	An IOT Based Automated Communication system for Paralyzed Patents using simple Hand Gestures	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
6	IOT Monitored Brushless DC Motor Speed control using ARDUINO	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
7	Multi-Tasking ROBOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
8	E-Bike	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
9	Design and Implementation of Transformers Health Monitoring system using IOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
10	IOT based Smart grid	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
11	Electric Bicycle	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
12	Hybrid power generation using Wind-Solar energy controlled by using IOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
13	AI based Multi-tasking Humanoid	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
14	Dual Axis Solar Tracking System	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2

Academic Year 2021-22:

S. No.	PROJECT TITLE	POs& PSOs MAPPING
1	Enhanced Autonomous Robot with Central Navigation System	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
2	Power Meter Billing and Load control using GSM	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
3	Industry Monitory System using System Arduino & IOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2

4	Bike Locking System using IOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
5	An IOT Based Automated Communication system for Paralyzed Patents using simple Hand Gestures	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
6	IOT Monitored Brushless DC Motor Speed control using ARDUINO	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
7	Multi-Tasking ROBOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
8	E-Bike	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
9	Design and Implementation of Transformers Health Monitoring system using IOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
10	IOT based Smart grid	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
11	Electric Bicycle	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
12	Hybrid power generation using Wind-Solar energy controlled by using IOT	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
13	AI based Multi-tasking Humanoid	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2
14	Dual Axis Solar Tracking System	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8,PO9, PO10, PO11, PO12,PSO1, PSO2

C. Process of monitoring and evaluation

- Project students should meet their respective guide to report the progress of the project once in a week and get approval
- Project guide will assess each student in the team and direct them towards completion of the project.
- The Project Review Committee consisting of Head of the Department, Project Coordinator, Senior Faculty members and the Project guide are responsible for making the regulations and for complete evaluation process.

Phase1:

- Title & Feasibility
- Objective and Scope of the project
- Analysis and explanation of the identified Problem

- Time plan of the project
- Abstract
- Presentation

Phase 2:

- Literature review related to particular problem
- Methodology
- Implementation strategy
- Expected Result
- Presentation

Phase 3:

- Algorithms used to overcome the specific problem (general description of algorithms)
- Design and analysis

Phase 4:

- Implementation /Execution
- Results
- Final report
- Overall presentation
-

The University nominates an external examiner for final evaluation of the project

ADITYA COLLEGE OF ENGINEERING

Aditya Nagar, ADB Road – Surampalem

DEPARTMENT OF ELECTRICAL& ELECTORNICS ENGINEERING

CIRCULAR

Date: 15-04-2021

All the **IV Year B. Tech students** are informed to note their tentative Project Review schedules.

S. No	Review	Date
1	Review 1: (Abstract& Literature Survey)	22nd May 2021
2	Review 2: (50% of the Project has to be shown)	7th June 2021
3	Review 3: Pre Submission: (Oral Presentation of total project with draft copy of documentation)	2nd July 2021

Note: - Students have to get their **PPT's** accepted by their guide before attending every review and should submit their **Project titles** and Abstracts on or before **01-05-2021**. For any other details, related to projects, students should contact their respective Project Coordinators.

Project Coordinators:

1. D. Tatarao
2. Ch. Uma Phanendra Kumar
3. Dr M. Ravindra
4. B.V.S.S.S. Gopal

Head of the Department

Sample Evaluation sheet is given here for reference:

Project Evaluation Sheet

ADITYA COLLEGE OF ENGINEERING
Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem 533 437, E.G.Dist., Ph: 99631 76662.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

MARKS ALLOCATION FOR PROJECT

Title of the Project: optimal ALlication of phasor measurements units in distribution network For complete observability

Name of the Guide: M. Ravindra

Sec: Batch No: 1

Members: 1 18MH5A0201 (1)
2. 18MH5A0215 (2)
3. 18MH5A0225 (3)
4. 18MH5A0237 (4)

Ay: 2020 – 2021

No	Evaluation	Review-I Date:				Review-II Date:				Review-III Date:				
		1	2	3	4	1	2	3	4	1	2	3	4	
1	Experience of the subject in the Present context	4	4	3	3									
2	Individual Contribution	4	4	4	3	4	3	3	3					
3	Requirements and Prototypes	3	3	3	3	4	4	4	3					
4	Design of the Modules	3	3	3	3	5	5	5	4					
5	Present of the Project	4	4	4	3	4	3	3	4					
6	Execution of the Project					3	4	4	4	5	5	5	4	
7	Conclusion and Future Scope	2	2	3	3					5	5	5	5	
8	Overall Performance of the project									10	10	10	10	
9	Guide Assessment									20	20	20	19	
	Total	20	20	19	18	20	19	19	18	20	20	20	19	

Reviewers:
1.
2.
3.

D. Process to assess individual and team performance

Each project guide is responsible to monitor the attendance of the project student during the course of project work each student must present a power point presentation about their role and their contribution in their project work during the review. The project guide must ensure the students gain the insights of the objectives and meets requirements of the project, if anything beyond is essential it will be communicated to HOD.

Objectives of the project work carried will be attained with the following:

- Day to day work done by the students.
- Partial/Full completion of the project
- The students' presentation and demonstration
- Results and documentation.

After the completion of each project review, the comments/suggestion/evaluation results are informed to the students as feedback of their work done and to improve the same.

As per the academic calendar prescribed by the university, the final project review will be conducted. External examiner will be nominated by affiliated university. Internal Examiner, project guide and external examiner will conduct the final review.

E) Quality of completed projects/working prototypes

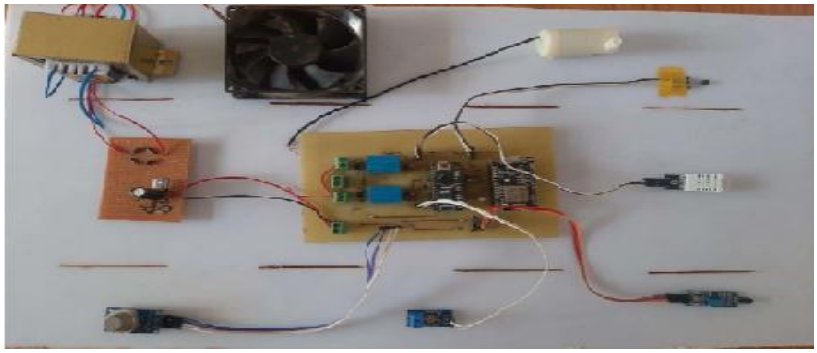
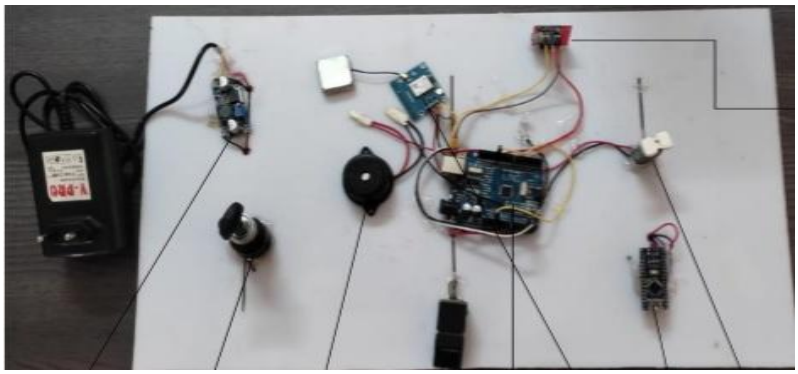
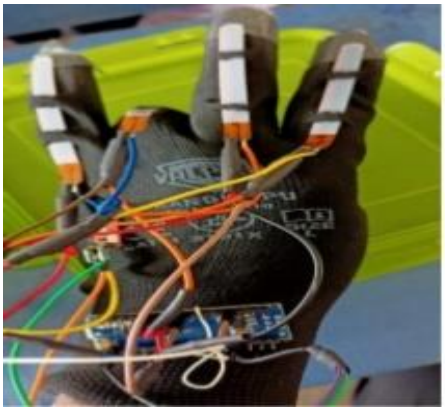
Project guide, Department project coordinator, External examiner will evaluate the quality of the work carried by the project batch.

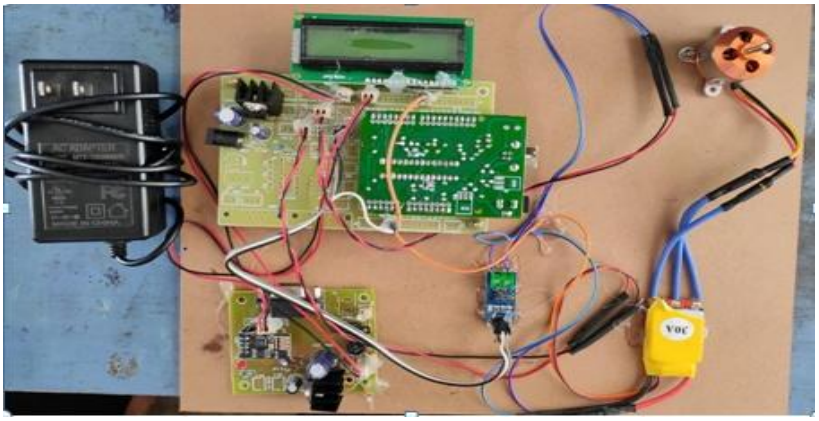
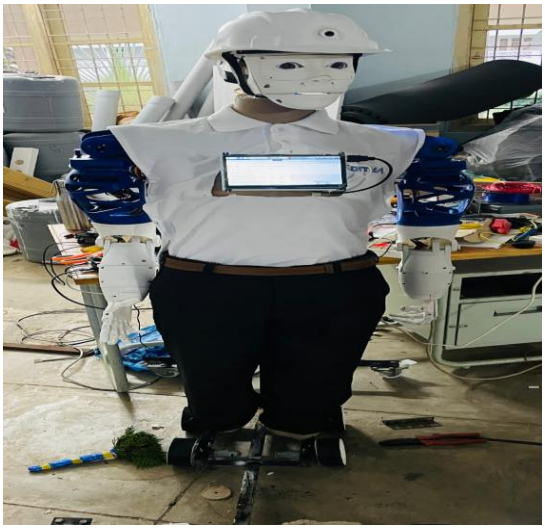
The best projects and working models may be communicated to the local newspapers and showcased as reference to upcoming students for their motivation.

Academic Year 2021-22:

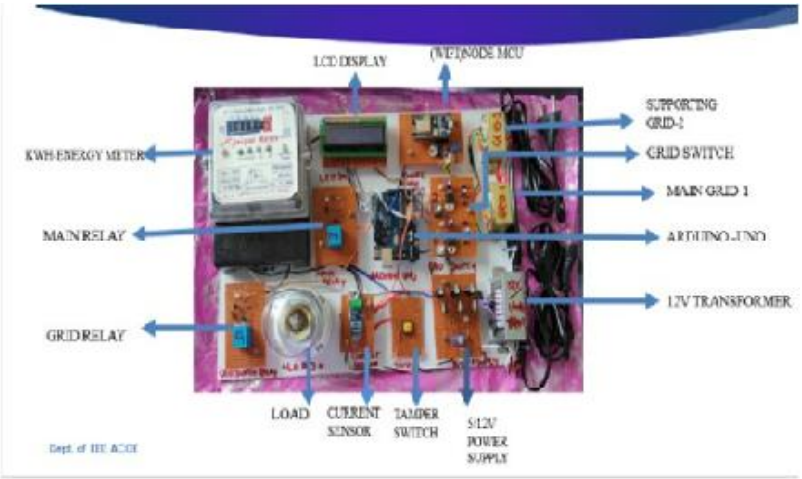
SECTION-A:

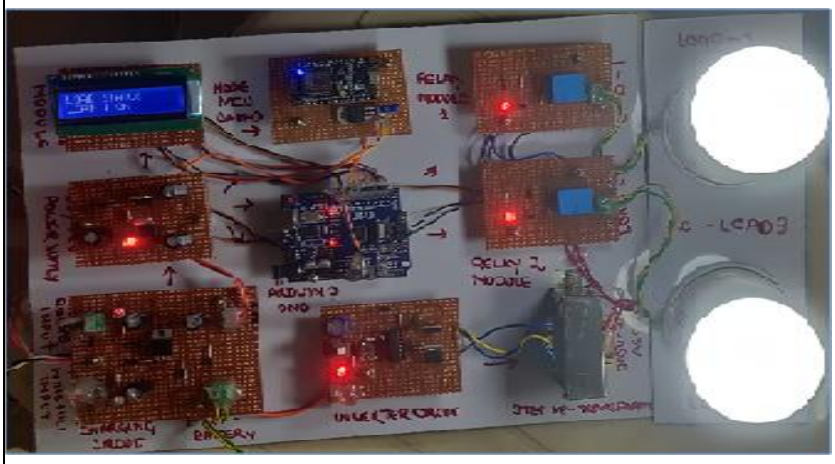
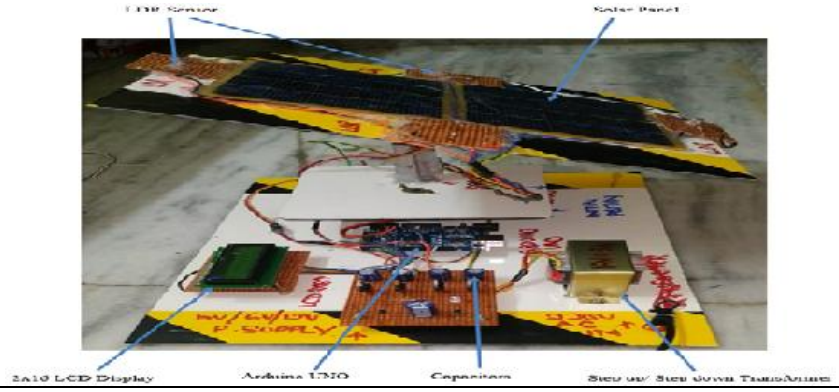
S. NO	TITLE OF THEPROJECT	USERINTERFACESCREENSHOT
1	**ENHANCED AUTONOMOUS ROBOT WITH CENTRAL NAVIGATION SYSTEM**	

2	**POWER METER BILLING AND LOAD CONTROL USING GSM**	
3	**INDUSTRIAL MONITORING SYSTEM USING ARDUINO**	
4	**BIKE LOCKING SYSTEM USING IOT**	
5	**AN IOT BASED AUTOMATED COMMUNICATION SYSTEM FOR PARALYZED PATIENT USING SIMPLE HAND GESTURES**	 

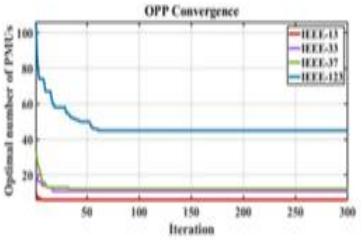
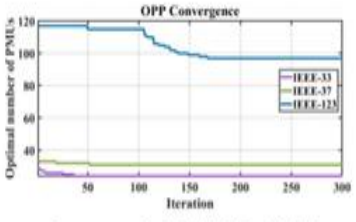
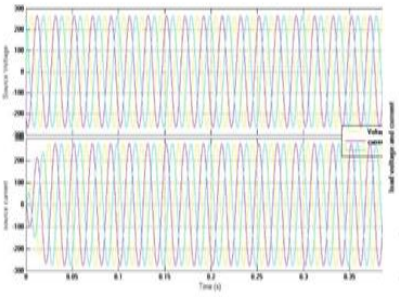
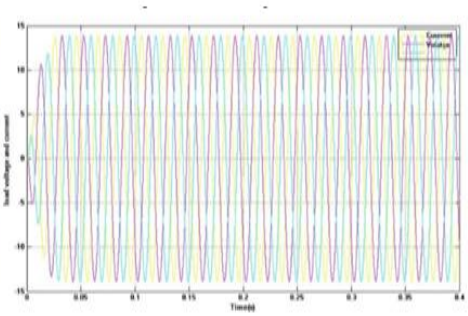
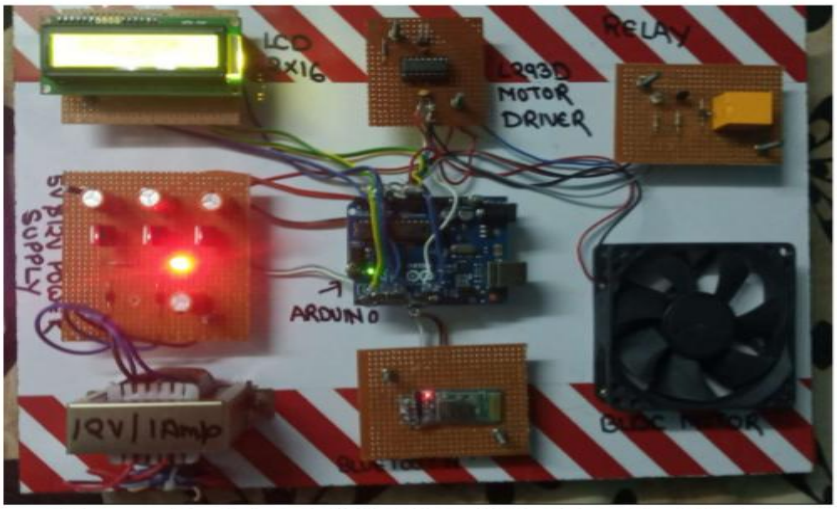
6	**IOT MONITORED BRUSHLESS DC MOTOR SPEED CONTROL USING ARDUIN**	
7	**AI BASED MULTI-TASKING HUMANOID**	
8	**COST EFFECTIVE BASED ELECTRICAL BIKE FROM SCRAP**	

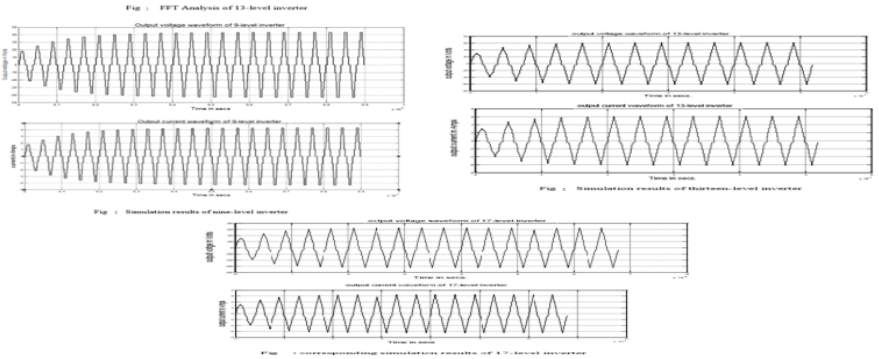
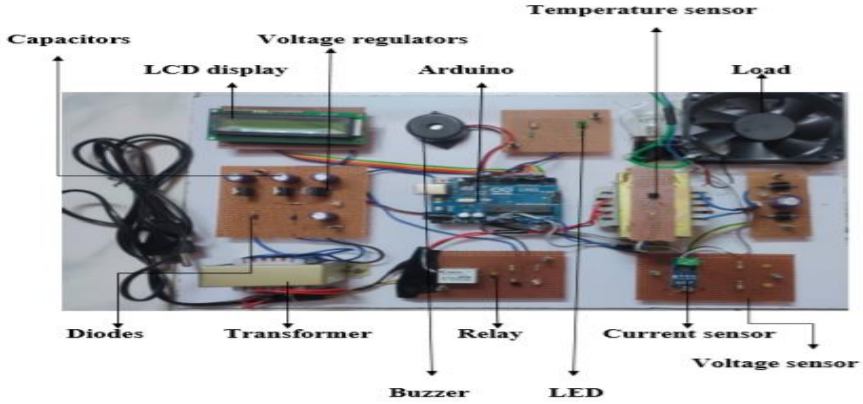
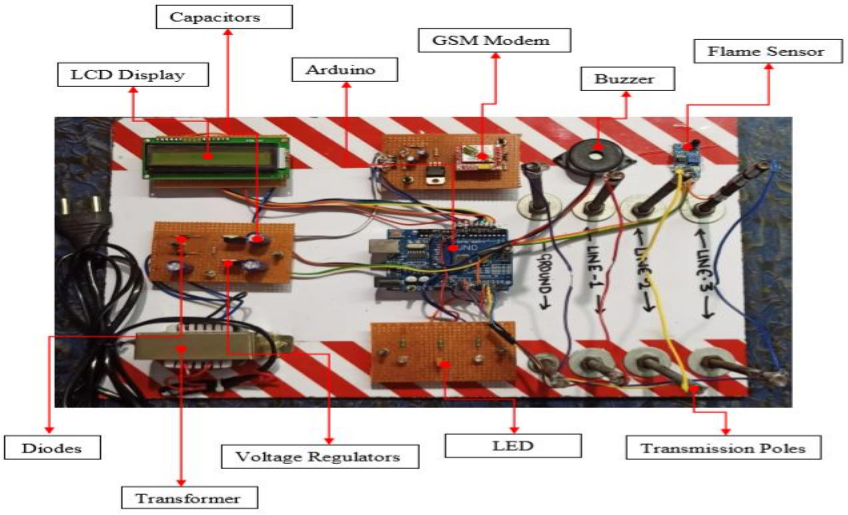
SECTION-B:

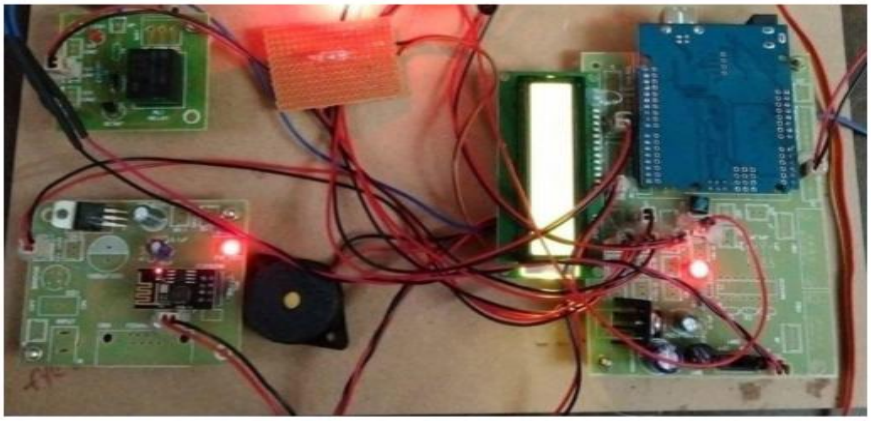
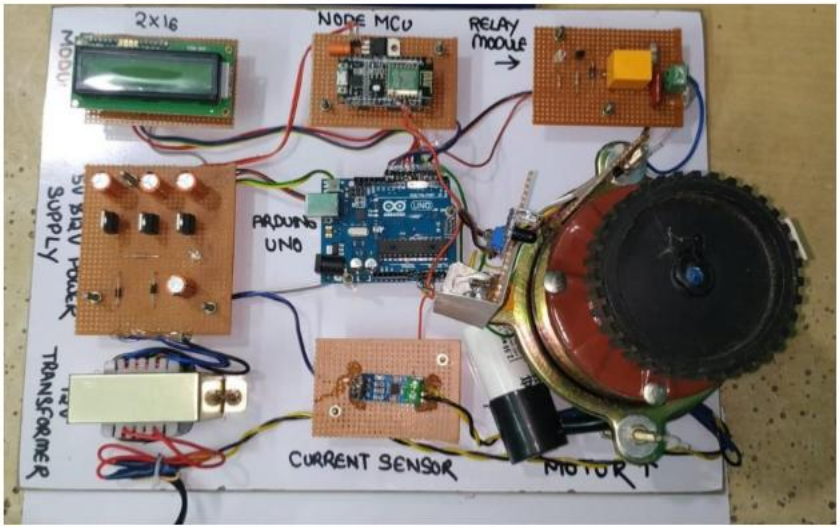
S.NO	TITLE OF THE PROJECT	USERINTERFACESCREENSHOT
1	DESIGN AND IMPLEMENTATION OF TRANSFORMER HEALTH MONITORING USING IOT	
2	IOT BASED SMART GRID	
3	DESIGN A SIMPLE AND COST EFFECTIVE MODEL OF ELECTRICAL BICYCLE	

4	**IOT BASED HYBRID POWER GENERATION USING RENEWABLE ENERGY SOURCES**	 
5	**MULTI TASKING ROBOT**	
6	**DUAL AXIS SOLAR TRACKING SYSTEM USING ARDUINO**	

Academic Year 2020-21:

S.NO	TITLE OF THE PROJECT	USER INTERFACE SCREENSHOT
1	OPTIMAL ALLOCATION OF PHASOR MEASUREMENT UNITS IN DISTRIBUTION NETWORK FOR COMPLETE OBSERVABILITY	**Simulation Result:**  Convergence graph of all the IEEE test node feeders under normalcondition.  Convergence graphs for IEEE-33, 37, and 123 feeder networks under single PMU loss condition.
2	UPFC USING A POWER ELECTRONICS INTEGRATED TRANSFORMER	**Result of UPFC using CPAT:**  Fig. : Result- Source Voltage & Current.  Fig : Result- Load Voltage & Current
3	SPEED CONTROL OF BLDC MOTOR USING BLUETOOTH AND ANDROID TECHNOLOGY	 Figure : Speed Control of BLDC Motor Using Bluetooth and Android Technology

4	DESIGN OF A NOVEL SEVENTEEN-LEVEL INVERTER BASED ON SWITCHED CAPACITOR FOR HIGH FREQUENCY DISTRIBUTION SYSTEMS	**Simulation Result:** 
5	ARDUINO BASED ELECTRICAL SUBSTATION MONITORING SYSTEM	
6	TRANSMISSION LINE FAULT DETECTION AND INDICATION TO ELECTRICITY BOARD USING GSM	

7	**DESIGN AND IMPLEMENTATION OF HOME AUTOMATION SYSTEM FOR SMARTGRID APPLICATIONS**	
8	**INDUCTION MOTOR PARAMETERS MONITORING AND CONTROLLING USING IOT TECHNOLOGY**	

The following table contains list of Best three projects from the last three academic years: 2018-19, 2019-20, 2020-21 and 2021-22 respectively.

S.No	Academic Year	Project Title	Name of the Student	Batch Members
1	2021-22	ENHANCED AUTONOMOUS ROBOT WITH CENTRAL NAVIGATION SYSTEM	Tumpala Neelima	18MH1A0204
			Chippada Surya Vamsi	19MH5A0213
			Ganeshula Durga Surya Vamsi	19MH5A0218
			Batreddi Venkataswamy	19MH5A0207
2	2021-22	"AN IOT BASED AUTOMATED COMMUNICATION SYSTEM FOR PARALYZED PATIENT USING SIMPLE HAND GESTURES"	Kancharla Veera Venkata Ram Mohan	19MH5A0225
			U Guru Prasad	18MH1A0205
			Kotari Chandu Venkat Dinesh	19MH5A0232
			Bunga Aakash	19MH5A0211

3	2021-22	AI BASED MULTI TASKING HUMANOID	Vasamsetti Satya Sai Kumar	19MH5A0249
			Regada Pushpa Kumari	19MH5A0253
			Swamini Veera Venkata Satyanarayana	19MH5A0260
			Singuluri Pavan Kumar	19MH5A0256
			Suresh Padala	19MH5A0259
4	2020-21	ARDUINO BASED ELECTRICAL SUBSTATION MONITORING SYSTEM	Naraharisetti Lohith Kiran	18MH5A0210
			Seela Naga Veerababu	18MH5A0216
			Yadala Ramalakshmi	18MH5A0218
			Maddikonda Rata Nchand	17MH1A0202
5	2020-21	TRANSMISSION LINE FAULT DETECTION AND INDICATION TO ELECTRICITY BOARD USING GSM	Kotari Uma Mahesh	18MH5A0207
			Padimi Sri Venkata Satish	18MH5A0211
			Mohammad Arshi Elahi	18MH5A0220
			Vuyyuri Sharon	17MH1A0203
6	2020-21	DESIGN AND IMPLEMENTATION OF HOME AUTOMATION SYSTEM FOR SMART GRID APPLICATIONS	Gokaveda Sai	18MH5A0204
			Nalla Sivaji	18MH5A0209
			Rayudu Veera Ganesh	18MH5A0214
			Karatapu Tri Venkata Naga Sai Kumar	18MH5A0223
7	2019-20	AUTOMATIC DRIP IRRIGATION IN ORGANIC CULTIVATION USING TIMERS AND SENSORS	Kotha Veera Venkata Sai Manikanta Nikhil	17MH5A0202
			Kakinada Samanthaka Mani	17MH5A0224
			Neeli Sireesha	17MH5A0233
			Masina Veerendra	17MH5A0231
			Bokam Suresh	17MH5A0208
8	2019-20	WOMEN SECURITY ASSISTANCE SYSTEM WITH GPS TRACKING AND GSM TECHNOLOGY	Allu Sivaji	17MH5A0203
			Galidevara Srihari	17MH5A0216
			Kanikella Lakshmi	16MH1A0204
			Galla Veera Uma Shankar Venkat Rajesh	17MH5A0217
			T Navin	16MH1A0211

9	2019-20	SMART PREPAID ENERGY METER WITH TAMPERING PROTECTION AND SMS BASED NOTIFICATION	Yandra Bala Raju	17MH5A0241
			Chitturi Hemanth	17MH5A0246
			Dasari Davood Kumar	17MH5A0248
			Neeli Pavansrimanikanta Narayana	17MH5A0267
10	2018-19	ELECTRICAL BIKE	Chidam V V S Suryanarayana	16MH5A0208
			Pasumarthi Veera Venkata Sai Somaraju	16MH5A0242
			Gurram Vijaya	16MH5A0216
			Bheemireddi Sri Rama Murthy	16MH5A0206
11	2018-19	SMART HELMET FOR SAFE DRIVING AND PREVENTION OF ROAD ACCIDENTS	Kamineni B Anudeep	16MH5A0219
			Madduri V V Saiprem	16MH5A0229
			Donthikurthi Naga Sai Siva Shankar	16MH5A0210
			Polavarapu Srinu	16MH5A0245
			Kadiyapu Durgababu	16MH5A0218
12	2018-19	ELECTRICAL VEHICLE CHARGING STATION WITH AN ENERGY STORAGE STAGE FOR SPLIT - DC BUS VOLTAGE BALANCING	Gajula Challayamma Sravani	15MH1A0213
			Sammiti Siva Gopi	15MH1A0246
			Kaniti Venkatesh	15MH1A0223
			Patchitala Sriram	15MH1A0240
			Mummana Sriramganesh	15MH1A0232

F) Evidence of Papers published/Awards received by the projects

All the project batches are recommended and encourage publishing paper in any National or International conference/journal of the work carried out by them.

If any papers are published, the project coordinator will file the research papers published.

S.No	AY	Roll No.	Name of the Student	Paper Title	Issn/Isbn No.	Index Scopus/Ugc/ Peer Reviewed	Url Link
1	2021-2022	18MH1A0201	Boddusai Depak	STUDY OF DIFFERENT TECHNIQUES TO MITIGATE TEMPORARY OVERVOLTAGE IN PHOTOVOLTAIC SYSTEM	ISSN: 2214-7853	SCOPUS	https://doi.org/10.1016/j.matpr.2021.09.370
2		19MH5A0227	K.N.G Arunpratap	CIRCUIT ANALYSIS AND MODELLING OF DUAL ACTIVE BRIDGE BIDIRECTIONAL CONVERTER	ISSN: 2214-7853	SCOPUS	https://doi.org/10.1016/j.matpr.2021.09.381
3		19MH5A0233	Kunche Nanibabu	DESIGN OF SLIDING MODE CONTROLLER FOR INDUCTION MOTOR DRIVE	ISSN: 2214-7853	SCOPUS	https://doi.org/10.1016/j.matpr.2021.09.374
1	2020-2021	18MH5A0206	K.Sudeswari	MODEL-ORDER REDUCTION AND REDUCED CONTROLLER DESIGN USING ROUTH APPROXIMATION AND FACTOR DIVISION METHOD	ISBN: 978-981-15-7394-1	*SCOPUS*	https://doi.org/10.1007/978-981-15-7394-1_16
2		18MH5A0214	Rayadu Veera Ganesh				
3		18MH5A0216	Seela Naga Veerababu	OPTIMIZATION OF FUZZY INFERENCE SYSTEM USING GENETIC ALGORITHM	ISBN: 978-981-15-7394-1	SCOPUS	https://doi.org/10.1007/978-981-15-7394-1_21
4		16PA1A0238	Konna Roja				
5		18MH1D5202	Kedarasetti Bhargava Ravi Kanth	NOVEL REPETITIVE CONTROL TECHNIQUE FOR THREE PHASE FOUR WIRE SHUNT ACTIVE POWER FILTER	ISSN: 2321-6905	Peer Reviewed	http://www.ijseat.com/index.php/ijseat/article/view/1237
6		18MH1D5207	Sidhantamu D V S Subhash	GRID CONNECTED PV INVERTER OBTAINING POWER FROM PV ARRAYS IN DIFFERENT ENVIRONMENTAL CONDITIONS	ISSN: 2321-6905	Peer Reviewed	http://www.ijseat.com/index.php/ijseat/article/view/1238
1	2019-20	18MH5A0211	Padimi Sri Ven kata Satish	FRACTIONAL-ORDER EXTREMUM SEEKING MPPT FOR PHOTOVOLTAIC SYSTEM	ISBN: 978-981-15-7511-2	SCOPUS	https://doi.org/10.1007/978-981-15-7511-2_28
2		18MH5A0219	Yellapu Manik anta Swamy				
3		18MH5A0219	Yellapu Manik anta Swamy				

2.2.4 Initiative related to industry interaction (15)

A) Industry supported laboratories.

- Institution will have regular interactions with the industry people.
- Faculty is encouraged to interact and collaborate with the industry for knowledge transfer and up skill to improve teaching and learning process and fill the gaps in the curriculum.
- This interaction will also help the students to attain program outcomes in some specific courses.
- MOUs were signed with the industries/Organizations to emphasize on Internships, Industry related real time projects for students and Student‘s specific training.
  To upgrade students with latest technologies in the industry, the department signup MOUs with the following companies.

S. No.	Organization Name	Date of MOU	Purpose of MOU
1	Electro Pro	04-09-2021	To initiate hardware projects for students
2	Centre of Excellence in Maritime & Shipbuilding (CEM`S)	28-02-2020	1. Students training on various technologies 2. Internships 3. Customized courses for students& faculty 4. Availability of labs for undertaking industry projects and experiments
3	Andhra Pradesh Innovation Society	02-12-2019	Promoting start-ups
4	Noval Patent Service	03-10-2019	Promoting IPR cell, To develop research skills
5	Ui Path	23-07-2019	Academic Alliances Program
6	CL media	10-06-2019	Conducting classes on research methodology, faculty research projects.
7	Andhra Pradesh State Skill Development(APSSDC)	07-02-2019	Skill up gradation of student, faculty& Employability
8	Siemens Center of Excellence-Technical Skill Development Institute (TSDI)	18-12-2016	Develop the skills among the students
9	NPTEL	12-06-2016	Web and Video Online Courses

Andhra Pradesh State Skill Development Corporation (APSSDC Lab)

Skill Development serves the task of providing skilled manpower as part of Government of Andhra Pradesh skill mission. AP government identified 100 institutes among 276 colleges across the state as their knowledge partners. APSSDC have established a Lab at Aditya College of Engineering to provide internships and training to students in the college. This will help in improving students' technical competency, soft skills and thus employability quotient.

Overview of APSSDC Lab:

The center has been setup as a step to foster innovation and help instill the startup and research culture in the students as well act as a catalyst of growth by making world class skilled professionals available to key growth sectors for the state and the country.

The details of the lab equipment are furnished in Table:

S. No	Name of the Equipment	Qty.
1	Electrical wiring board	03
2	Main circuit breakers 15/45Atype 5	04
3	Panel board 3R 18 SURFACE METAL D8(SCHNEIOER-ASHFD336)	06
4	Residual current circuit breaker 40A type AC	12
5	Modular circuit breaker type C2A	06
6	Modular circuit breaker type C16A	06
7	Modular contactors-CT clls	06
8	Modular time switches-TIME SWITCH	06
9	Twilight switches	06
10	Step fan	06
11	4 modules plate& grid	06
12	4 modules surface mounting box	06
13	8 modules plate& grid	06
14	8 modules surface mounting box	06
15	Single phase meters from local Electrical Utility(optional)	03

Overview of APSSDC Lab:

Objectives of APSSDC Lab:

As per MOU with APSSDC, they are extending the benefits to help the students in providing training for 500 students per year at minimal cost and created a platform for students and faculty. Main Objectives are:

- Promoting self-reliance
- In digitization and technology upgrades
- Improve projects/ mini projects developing capabilities of students
- Export the talentin-house at a rapid pace to meet the demands of the industry
- Job assured training

Utilization of APSSDC Lab:

- There are eleven certification programs completed so far in APSSDC Lab from the day of its establishment.
- The lab utilization details are listed in Table

S.NO	BATCH	A.Y	START DATE	END DATE	LOCATION	STUDENTS COUNT	COURSE
1	2017-21	19-20	25-11-2019	30-11-2019	JNTUK COE	20	BASICS OF INDUCTION MOTOR
2	2018-22	19-20	09-12-2019	14-12-2019	ACOE	7	HOME AUTOMATION(BASIC)
3		19-20	02-12-2019	07-12-2019	JNTUK COE	29	BASICS OF INDUCTION MOTOR
4	2019-23	20-21	24-03-2021	24-04-2021	ACOE	19	ELECTRICAL HOME FOUNDATION
5	2020-24	21-22	13-12-2021	18-12-2021	ACOE	34	HOME AUTOMATION(BASIC)
1	2017-21	19-20	25-11-2019	30-11-2019	JNTUK COE	20	BASICS OF INDUCTION MOTOR

Effectiveness of APSSDC Lab:

- Students are benefitted with hands on experienced training workshops and projects.
- Training programs provide a great opportunity for students to expand their knowledge base and increase their efficiency and productivity.
- Students use their training to keep up with the latest advancements in technology.
- Training and development can help students to perform better in the campus placements as they become more skilled than before.
- Training can update the technical knowledge of the student.
- Students work independently and require less supervision than before.
- Students can use their knowledge from the training to do projects and help other students.
- Students perform better with greater efficiency than before.
- More confidence is built among students and performed well.

ROBOTICS LAB:

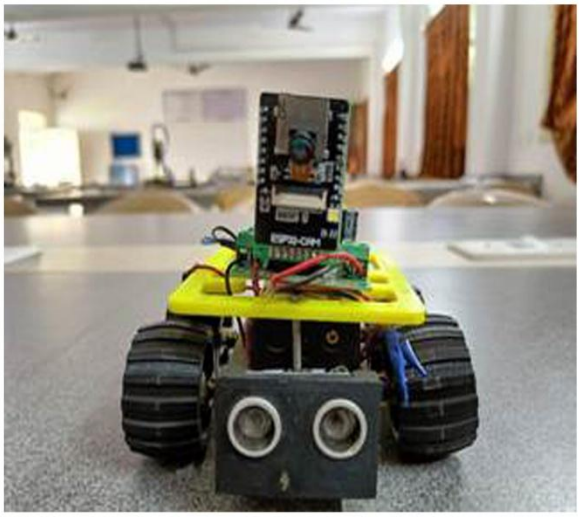
Overview of Robotics Lab:

Recent advances in machine learning personal robots, automatic cars, and even brain-controlled processes have set the stage for robotics to make real and meaningful advances to our quality of life. The Robotics Lab provides space and infrastructure for research and development for enhanced systems ultimately impacting manufacturing, agriculture, elder assistance, home automation, vehicle automation, and more.

The details of the robotics are furnished in Table:

S. No	Name of the Robot	Qty.
1	IR Based Line Following Robot	01
2	IR Based Edge Avoiding Robot	01
3	Mobile Controlled Mini Robot	01
4	IOT Cam Robot	01
5	Micro Servo Based Dancing Robot	01
6	Prototype of 4D of SCARA BOT	01
7	Prototype of CNC Operated Triangular Robot	01
8	Prototype of OG CNC Laser Engraving Machine	01
9	Prototype of Laser Engraving a machine For Large Work Area	01
10	Prototype Of Bench Milling Machine	01
11	IOT Operated Triangular Robot	01
12	Hand Gesture Operated Robotic Manipulator	01
13	RPA Operated Pen Plotter	01
14	Fabricated 3d Printer	01
15	Gyroscope Based Gesture Controlled Robot	01
16	Mobile Controlled Omni directional Robot	01
17	Mobile Controlled Mecanum Wheeled Robot	01

Overview of Robotics Lab:



Objective of Robotics Lab:

Robotics lab has been planned to expose the students to the general functioning of a robot. Students will be trained on few general robots and they will be allowed to implement their skills learned in other labs to design special purpose robots.

Utilization of Robotics Lab:

There are seventeen robots completed so far in Robotics Lab from the day of its establishment.

Effectiveness of Robotics Lab:

- Robotics helps students learn programming simply and tangibly and makes them future-ready.
- Hands-on activities in robotics labs enhance students' concentration.
- Working through complicated situations helps students develop a strong and determined attitude which is crucial for any technological or scientific activity.
- Robotics incorporates a range of skills, and thus promotes a learning environment for people with different talents. If properly harnessed, it promotes collaboration.

B. Industry involvement in the program design and partial delivery of any regular courses for students

- A number of initiatives aiming at promoting interaction between the department and the industry are taken.
- With this the students will have exposure to industrial environment and get geared-up for placement in industries.
- To promote industry-institute interaction, lectures by experts from industry are arranged.
- The students are encouraged to go for industrial visits to enable them to observe the application of the concepts in practice.
- The department has the facility to appoint retired professionals from the industry/ academics as adjunct faculty. They handle some part of the course allotted/guide research projects.

The list of Special Lectures given by industry experts is shown in the table below.

A.Y: 2021-22

S. No.	Name of the Industry Expert	Designation/organization	Year & Semester	Subject Handled	Relevance to PO's, PSO's
1	Mr. B. Giri Kiran	Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	IV year I Sem	Electrical Distribution Systems	PO1,PO3,PSO1

A.Y: 2020-21

S. No.	Name of the Industry Expert	Designation/organization	Year & Semester	Subject Handled	Relevance to PO's, PSO's
1	Mr. B. Giri Kiran	Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	II year I Sem	Electrical Machines	PO1,PO3,PO5,PSO1, PSO2
2	Mr. Hari Prasad Ommi	Mr. Hariprasad Ommi DyEE, Quality Control Vidyuth Soudha Vijayawada	IV Year –II Sem	Electrical Distributions Systems	PO1,PO2 ,PO4,PO6 & PSO1
3	Mr. B. Bala anakayya	Power Operations Engineer, Emirates Global aluminum, Dubai	IV year II Sem	High Voltage DC Transmission	PO1,PO2 & PSO1
			IV year I Sem	Power System Operation and Control	PO1,PO3,PSO1,PSO2
			III Year –I Sem	Power Systems II	PO1, PO2, PSO1
4	Miss. Rupa Mandal	Post Graduate Engineer Trinee, Racanaa energy Bangalore	III Year- II Sem	Energy Audit and Conservation management	PO1,PO2,PO5,PO6&PSO1

A.Y: 2019-20

S. No.	Name of the Industry Expert	Designation/organization	Year & Semester	Subject Handled	Relevance to PO's, PSO's
1	Mr. T.V.V.D.V Prasad	Deputy Executive Engineer MRT Vigilance Vidyuth Soudha AP Transco	IV Year - I Sem	Power System Operation and Control	PO1,PO2, PO4,PO6& PSO1
			IV Year –I Sem	Switch Gear Protection	PO1,PO3,PSO1,PSO2

2	Mr. B. Giri Kiran	Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	IV Year –I Sem	Special Electrical Machines	PO1, PO2& PSO1
3	Mr. Y. Ganaga Prasad	Engineer Mercedes Benz R&D India Bangalore	IV Year-I Sem	Utilization of Electrical Engineering	PO1,PO2&PSO1
4	Mr.MSSV Sankar	Team Lead Dr. Reddy's Lab Hyderabad	II year – II Sem	Control Systems	PO1, PO2,PO3&PSO1,PSO2
5	Mr. Mayor Raj kumar Balwani	Associate Engineer Enphase Energy Bangalore	III year – I Sem	Renewable energy sources	PO1, PO2 & PSO1

A.Y: 2018-19

S. No.	Name of the Industry Expert	Designation/organization	Year & Semester	Subject Handled	Relevance to PO's, PSO's
1	Mr. Sankara Rao Gottapu	Mercedes Benz R&D India Bangalore	III year –II Sem	Utilization of Electrical Engineering	PO1,PO2&PSO1
2	Mr.T.V.V. D.V.Prasad	Deputy Executive Engineer MRT Vigilance Vidyuth Soudha AP Transco	III Year-I Sem	Power System -II	PO1,PO2,PO6&PSO 1
			IV Year –I Sem	Renewable Energy Resources	PO1,PO2,PO3,PO5& PSO1
			IV Year-I Sem	Power System Operation and Control	PO1,PO2,PO3,PO5& PSO1
3	Mr. B. Giri Kiran	Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	III Year-I Sem	Power Electronics	PO1,PO2,PO3& PSO1
			IV Year –II Sem	Special Electrical Machines	PO1,PO2,PO6&PSO 1

Sample photo of Guest lecture:

A Guest lecture on "Renewable Energy& modern Trends in Metering" by Mr. TVVDV Prasad, Deputy Executive Engineer, MRT Vigilance, AP TRANSCO

List of Certification courses done by the students to meet the Industry Requirements from June 2018

S. NO	ROLL NUMBER	NAME	CERTIFICATION	CERTIFICATION FROM	YEAR/DATE OF EXAM
1	16MH1A0208	NITIN MENDHE	AUTOMATION ANYWHERE UNIVERSITY CERTIFIED ESSENTIALS RPA PROFESSIONAL	AUTOMATION ANYWHERE	06-06-2020
2	17MH5A0210	CHALLA VEERABABU	MTA PYTHON	MICROSOFT	30-07-2019
3	19MH5A0215	DANGETI KAMESH RAO	AUTOMATION ANYWHERE CERTIFIED ADVANCED RPA PROFESSIONAL	AUTOMATION ANYWHERE	17-09-2021
4	19MH5A0249	VASAMSETTI SATYA SAI KUMAR	AWS CLOUD PRACTITIONER	AMAZON	06-08-2021

5	19MH5A0231	KOMMANA HARIDATTA	AWS CLOUD PRACTITIONER	AMAZON	05-08-2021
6	19MH5A0263	SURENDRA THIPPANA	MTA SECURITY FUNDAMENTALS	MICROSOFT	22-07-2021
7	19MH5A0233	NANI BABU KUNCHE	MTA SECURITY FUNDAMENTALS	MICROSOFT	22-07-2021
8	19MH5A0215	DANGETI KAMESH RAO	AUTOMATION ANYWHERE UNIVERSITY CERTIFIED ESSENTIALS RPA PROFESSIONAL	AUTOMATION ANYWHERE	06-07-2021
9	17MH5A0247	SANTOSH KUMAR DASARA	MTA JAVA	MICROSOFT	28-09-2019
10	17MH5A0222	ADITHYA IMMIDISETTY	MTA JAVA	MICROSOFT	28-09-2019
11	17MH5A0220	HEMANTH VAMSI KRISHNA GUTHULA	MTA JAVA	MICROSOFT	28-09-2019

C. Impact analysis of industry institute interaction and actions taken thereof

1. The interaction develops student's awareness on job functions in the industries, attitude to adapt industrial environment, proper practical and relevant knowledge, skills and competencies etc.
2. Integration of industrial trainings and other inputs from industry and involvement of industrial experts in curriculum designing provides great impact with teaching-learning process
3. Collaboration, discussion and decision making process produce mutual agreements and understanding of the real conditions in the work place, industrial functioning and its expectations.
4. Industry Institute Interaction is beneficial to institute to generate resources, improve quality of faculty and have more relevant curriculum. On the other hand it is beneficial for industry to access the latest technological and management developments, keep their workforce skill updated, get fresh and well trained technical personnel, get their research work done through institute collaborative research opportunity.

List of MOUs

Academic Year: 2020-21

S. No	Name of the Company	Impact Analysis
1	APSSDC -Skill Development Centre (SDC)	Students have been trained on various career oriented skills to develop their personal skills towards their placements.
2	NPTEL	Students have gained knowledge on subjects by completing the certification courses.
3	CL media	Students have been trained in research work considering various research methodologies to write research papers.

Seminars/ Workshops by Industry persons

Academic Year: 2021-22

S. No.	Name of the Subject	Impact Analysis
1	Electrical Distribution Systems	Students gained the knowledge on Relation between 4 feeder& 6 feeder.

Academic Year: 2020-21

S. No.	Name of the Subject	Impact Analysis
1	Electrical Machines	Students got an idea in designing the construction of various electrical motors like DC motors and Induction Motors in Simulink platform
2	Electrical Distributions Systems	Students gained knowledge on electric power consumption of various equipment's at domestic level and analyse the Tariff conditions.
3	High Voltage DC Transmission	Students gained Practical knowledge on effects of proximity of AC and DC Transmission line calculations leads to build the innovative methods to suppress those effects.
4	Power System Operation and Control	Students gained the knowledge on Economic load dispatch programming designing skills through MATLAB/ Simulink software.
5	Power Systems II	Students understanded practical calculations of Power loss for CORONA
6	Energy Audit and Conservation management	Students got clear view on analysis of energy through various methods.

Academic Year: 2019-20

S. No.	Name of the Subject	Impact Analysis
1	Power System Operation and Control	Students got an idea to design the controllers for load frequency problems related to real time applications.
2	Switch Gear Protection	Students gained the knowledge on various tripping schemes in circuit breakers and also testing methods of circuit breakers
3	Special Electrical Machines	Students gained the knowledge on various controllers to control the synchronous reluctance motor.
4	Utilization of Electrical Engineering	Students gained the knowledge on different electrical motors used for traction.
5	Control Systems	Students gained the knowledge on Bode plot and Root locus through MATLAB/ Simulink software.
6	Renewable energy sources	Students gained the practical knowledge on calculation of capacity factor of wind energy conversion systems.

Academic Year: 2018-19

S. No.	Name of the Subject	Impact Analysis
1	Utilization of Electrical Engineering	Students gained the knowledge on different electrical motors used for traction.
2	Renewable Energy Resources	Students understood practical calculation of Evaluation of Critical voltages.
3	Power Electronics	Students gained the practical knowledge on calculation of RLE Load problems.
4	Power System –II	Students gained the knowledge on generation of electric power by Hydro power plants.
5	Power System Operation and Control	Students got an idea to design the controllers for load frequency problems related to real time applications.
6	Special Electrical Machines	Students understood practical calculation of speed and torque of PMDC Motors.

2.2.5 Initiative related to industry internship/summer training (15)

A. Industrial training/tours for students

- Though the curriculum does not insist on internship/summer training students are encouraged to go for internship with industries/research institutes after completion of their end semester examinations.
- In addition to this, they are also encouraged to reach companies to get paid sponsorships or technical guidance with respect to their projects.
- One faculty will act as a coordinator.
- He is responsible to identify the internship vacancies and inform the same to the students and he will continuously support during the course of internship.

- If required the coordinator will contact the alumni to find the internship vacancies available in their organizations or from their contacts.
  We have a practice of taking students for industrial tours for a period of maximum two to three days of span. Head of the Department will nominate one male and one female faculty to accompany.

Details of Industrial visits

AY: 2021-22

S. No	Targeted students	Purpose of visit	Duration/dates	Place of visit
1	II& III B.TECH II SEM SEC-A& SEC- B	To have awareness on working of different types of motors and its controlling	1 day 28-05-2022	Sri Sarvaraya sugars Limited, Kesavaram, East Godavari District, Andhra Pradesh

AY: 2020-21

S. No	Targeted students	Purpose of visit	Duration/dates	Place of visit
1	III B.TECH I SEM SEC B	To have awareness on High voltage power transmission and distribution and gas insulated substation	1 day 27-12-2020	Power grid Vemagiri, East Godavari district

AY: 2019-20

S. No	Targeted students	Purpose of visit	Duration/dates	Place of visit
1	III B.TECH I SEM	To have awareness on power generation through hydel energy	1 day 09-08-2019	Lower Sileru power project , Mothugudem
2	II B.TECH II SEM SEC A	To have awareness on High voltage power transmission and distribution and gas insulated substation	1 day 19-02-2020	Power grid Vemagiri, East Godavari district

AY: 2018-19

S. No	Targeted students	Purpose of visit	Duration/dates	Place of visit
1	IV B.TECH II SEM SEC A	To have awareness on power generation through hydel energy	2 day 28-12-2018 TO 29-12-2018	Srisailam hydel power project
2	IV B.TECH II SEM SEC B	To enhance knowledge on latest generating unit incorporated	1 day 01-02-2019	Dr.Narla Tata Rao Thermal power station Vijayawada

Sample photos of Industrial Visits

B. Industrial /internship /summer training of more than two weeks:

The institute encourages the students to undergo training/internship during summer holidays and in semester break to get practical exposure and get to aware about the industry environment.

The following students have undergone the Industrial /internship Training at various industries and organizations more than two weeks.

Details of Industrial trainings

AY: 2020-21

S. No	Name of the industry visited	Duration/ Dates	Roll number of the student	Name of students	Faculty organizers
1	Rastriya Ispat Nigam Limited (Visakhapatnam Steel Plant), Visakhapatnam	2WEEKS (18-01-2021 TO 30-01-2021)	18MH5A0201	BOJANKI SATISH KUMAR	CH U P KUMAR

AY: 2019-20

S. No	Name of the industry visited	Duration/ Dates	Roll number of the student	No of students	Faculty organizers
1	Mahesh Electrical Engineering Works, Sarpavaram	2WEEKS (20-01-2020 TO 01-02-2020)	17MH5A0211	PENKE UMA DEVI	K LAKSHMI
2	Eastern Power Distribution Company Of Ap Ltd (Apepdcl), Pithapuram	2 WEEKS (27-01-2020 TO 09-02-2020)	17MH5A0231	MASINA VEERENDRA	D TATA RAO

Details of Internships

Academic Year 2021-22:

S. No	Company Name	No. of Students	Semester	Outcomes
1	Wipro	1	VII	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10, PO11,PSO1,PSO2
2	Mindtree	1	VII	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10, PO11,PSO1,PSO2

List of students undergone Internship

S. No.	Name of the student	Roll No.	Duration of the programme	Training Industry
1	T. Surendra	19MH5A0263	2 Months	Wipro
2	K. Ajay Narayana	19MH5A0229	3 Months	Mindtree

Academic Year 2020-21:

S. No	Company Name	No. of Students	Semester	Outcomes
1	NFCL Kakinada	20	VI	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10, PO11,PSO1,PSO2

List of students undergone Internship

S. No.	Name of the student	Roll No.	Duration of the programme	Training Industry
1	Tumpala Neelima	18MH1A0204	Two weeks	NFCL Kakinada
2	Adapa Veerendra	19MH5A0201	Two weeks	NFCL Kakinada
3	Bantu Veera Sai Datta	19MH5A0205	Two weeks	NFCL Kakinada
4	Bassa Manikanta	19MH5A0206	Two weeks	NFCL Kakinada
5	Bunga Aakash	19MH5A0211	Two weeks	NFCL Kakinada
6	Chikkala Vikash Raju	19MH5A0212	Two weeks	NFCL Kakinada
7	Dendukuri Srinivas	19MH5A0216	Two weeks	NFCL Kakinada
8	Gandreti Nookaraju	19MH5A0217	Two weeks	NFCL Kakinada
9	Velaga Anil Kumar	19MH5A0219	Two weeks	NFCL Kakinada
10	Ganta Veeravenkat	19MH5A0220	Two weeks	NFCL Kakinada
11	Jilam Hemanth Raju	19MH5A0224	Two weeks	NFCL Kakinada
12	Komarthi Ganesh	19MH5A0230	Two weeks	NFCL Kakinada
13	Magapu Mani Teja	19MH5A0236	Two weeks	NFCL Kakinada
14	Vanka Gangadhar	19MH5A0238	Two weeks	NFCL Kakinada
15	Neerukonda Naveen	19MH5A0243	Two weeks	NFCL Kakinada
16	Rapeti Manikanta	19MH5A0252	Two weeks	NFCL Kakinada
17	Sidda Jagadeeswari	19MH5A0255	Two weeks	NFCL Kakinada
18	Suresh Padala	19MH5A0259	Two weeks	NFCL Kakinada
19	Thippana Surendra	19MH5A0263	Two weeks	NFCL Kakinada
20	Vakada Saran Kumar	19MH5A0266	Two weeks	NFCL Kakinada

Academic Year 2019-20:

S. No	Company Name	No. of Students	Semester	Outcomes
1	Vizag Steel plant	30	VI	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10, PO11,PSO1,PSO2
2	NFCL Kakinada	30	IV	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10, PO11,PSO1,PSO2

List of students undergone Internship

S. No.	Name of the student	Roll No.	Duration of the programme	Training Industry
1	Boddepalli Jaya Sree	17MH1A0201	Two weeks	Vizag Steel plant
2	Maddikonda Ratan Chand	17MH1A0202	Two weeks	Vizag Steel plant
3	Vuyyuri Sharon	17MH1A0203	Two weeks	Vizag Steel plant
4	Konna Roja	16PA1A0238	Two weeks	Vizag Steel plant
5	Bojanki Satish Kumar	18MH5A0201	Two weeks	Vizag Steel plant
6	Chintha Jahnavi Bindu	18MH5A0202	Two weeks	Vizag Steel plant
7	Devagupthapu Govindaraju	18MH5A0203	Two weeks	Vizag Steel plant
8	Gokaveda Sai	18MH5A0204	Two weeks	Vizag Steel plant
9	Kalla Veera Prasad	18MH5A0205	Two weeks	Vizag Steel plant
10	Karri Sudheswari	18MH5A0206	Two weeks	Vizag Steel plant
11	Kotari Uma Mahesh	18MH5A0207	Two weeks	Vizag Steel plant
12	Kuruvella Sri Sai Tejaswini	18MH5A0208	Two weeks	Vizag Steel plant
13	Nalla Sivaji	18MH5A0209	Two weeks	Vizag Steel plant
14	Naraharisetti Lohith Kiran	18MH5A0210	Two weeks	Vizag Steel plant
15	Padimi Sri Venkata Satish	18MH5A0211	Two weeks	Vizag Steel plant
16	Pamu Suneetha	18MH5A0212	Two weeks	Vizag Steel plant
17	Peram Sivaparvathi	18MH5A0213	Two weeks	Vizag Steel plant
18	Rayudu Veera Ganesh	18MH5A0214	Two weeks	Vizag Steel plant
19	Sattimsetti Kavya Keerthi	18MH5A0215	Two weeks	Vizag Steel plant
20	Seela Naga Veerababu	18MH5A0216	Two weeks	Vizag Steel plant
21	Veluduti Joseph Kranthi	18MH5A0217	Two weeks	Vizag Steel plant
22	Yadala Ramalakshmi	18MH5A0218	Two weeks	Vizag Steel plant
23	Yellapu Manikanta Swamy	18MH5A0219	Two weeks	Vizag Steel plant
24	Mohammad Arshi Elahi	18MH5A0220	Two weeks	Vizag Steel plant
25	Chintapalli Sai Sree Ramteja	18MH5A0221	Two weeks	Vizag Steel plant
26	Avala Karthik	18MH5A0222	Two weeks	Vizag Steel plant
27	Karatapu Trivenkata Naga Sai Kumar	18MH5A0223	Two weeks	Vizag Steel plant

28	Tallapudi V S C D P Prasad	18MH5A0224	Two weeks	Vizag Steel plant
29	Thatikayala Surya	18MH5A0225	Two weeks	Vizag Steel plant
30	Karneedi Harish	18MH5A0226	Two weeks	Vizag Steel plant
31	Mancharla Saitarun	19MH5A0237	Two weeks	NFCL Kakinada
32	Vanka Gangadhar	19MH5A0238	Two weeks	NFCL Kakinada
33	Mukka Naga Siva Mani Kumar	19MH5A0239	Two weeks	NFCL Kakinada
34	Mummidi Muttayya	19MH5A0240	Two weeks	NFCL Kakinada
35	Mummidi Siva Chakradhar	19MH5A0241	Two weeks	NFCL Kakinada
36	Nakkireddy Yaswanth Kumar	19MH5A0242	Two weeks	NFCL Kakinada
37	Neerukonda Naveen	19MH5A0243	Two weeks	NFCL Kakinada
38	Nekkanti Meghanath Srinivas	19MH5A0244	Two weeks	NFCL Kakinada
39	Olipalli Suneel	19MH5A0245	Two weeks	NFCL Kakinada
40	Palisetty Naveen	19MH5A0246	Two weeks	NFCL Kakinada
41	Palla Vijay	19MH5A0247	Two weeks	NFCL Kakinada
42	Pothu Shanti	19MH5A0248	Two weeks	NFCL Kakinada
43	Vasamsetti Satya Sai Kumar	19MH5A0249	Two weeks	NFCL Kakinada
44	Ramireddy Satya Rama Manikanta	19MH5A0250	Two weeks	NFCL Kakinada
45	Rangireddy Sai Durga Siva Satya Prasad	19MH5A0251	Two weeks	NFCL Kakinada
46	Rapeti Manikanta	19MH5A0252	Two weeks	NFCL Kakinada
47	Regada Pushpa Kumari	19MH5A0253	Two weeks	NFCL Kakinada
48	Sana Vijay Ramesh	19MH5A0254	Two weeks	NFCL Kakinada
49	Sidda Jagadeeswari	19MH5A0255	Two weeks	NFCL Kakinada
50	Singuluri Pavan Kumar	19MH5A0256	Two weeks	NFCL Kakinada
51	Siva Durga Varaprasad Vardhineedi	19MH5A0257	Two weeks	NFCL Kakinada
52	Sreepathi Ganga Krishna Ganesh	19MH5A0258	Two weeks	NFCL Kakinada
53	Suresh Padala	19MH5A0259	Two weeks	NFCL Kakinada
54	Swamini Veera Venkata Satyanarayana	19MH5A0260	Two weeks	NFCL Kakinada
55	Teki Rama Krishna Akhil	19MH5A0261	Two weeks	NFCL Kakinada
56	Thadala Prakasaraja	19MH5A0262	Two weeks	NFCL Kakinada

57	Thippana Surendra	19MH5A0263	Two weeks	NFCL Kakinada
58	Thottipudi Chakra Sriram	19MH5A0264	Two weeks	NFCL Kakinada
59	Udata Durga Kalyan	19MH5A0265	Two weeks	NFCL Kakinada
60	Vakada Saran Kumar	19MH5A0266	Two weeks	NFCL Kakinada

Academic Year 2018-19:

S. No	Company Name	No. of Students	Semester	Outcomes
1	NFCL Kakinada	26	VI	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10, PO11,PSO1,PSO2
2	RINL steel plant	31	IV	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10, PO11,PSO1,PSO2
3	ONGC Rajahmundry	38	VI	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10, PO11,PSO1,PSO2

List of students undergone Internship

S. No.	Name of the student	Roll No.	Duration of the programme	Training Industry
1	Allu Poornasai	16MH1A0201	Two weeks	NFCL Kakinada
2	Chodi Samuel	16MH1A0202	Two weeks	NFCL Kakinada
3	Gode Akouba Marie Angele	16MH1A0203	Two weeks	NFCL Kakinada
4	Kanikella Lakshmi	16MH1A0204	Two weeks	NFCL Kakinada
5	Karri Lakshmiparvathi	16MH1A0205	Two weeks	NFCL Kakinada
6	T Navin	16MH1A0211	Two weeks	NFCL Kakinada
7	Adapa Vinay Ajay Kumar	17MH5A0201	Two weeks	NFCL Kakinada
8	Kotha Veera Venkata Sai Manikanta Nikhil	17MH5A0202	Two weeks	NFCL Kakinada
9	Allu Sivaji	17MH5A0203	Two weeks	NFCL Kakinada
10	Avantsa Balaji Sairam Manohar	17MH5A0204	Two weeks	NFCL Kakinada
11	Badithamani Sai Venkatesh	17MH5A0205	Two weeks	NFCL Kakinada
12	Beeraka Venkatesh	17MH5A0206	Two weeks	NFCL Kakinada
13	Dadisetti Swamin	17MH5A0213	Two weeks	NFCL Kakinada
14	D.Bala Veera Siva Mallikarjuna Raju	17MH5A0214	Two weeks	NFCL Kakinada
15	Davuluri Lavanya	17MH5A0215	Two weeks	NFCL Kakinada

16	Galidevara Srihari	17MH5A0216	Two weeks	NFCL Kakinada
17	Galla Veera Uma Shankar Venkat Rajesh	17MH5A0217	Two weeks	NFCL Kakinada
18	Petta Venkata Durga Anil Kumar	17MH5A0218	Two weeks	NFCL Kakinada
19	Gorla Tarun Satya Sai Viresh	17MH5A0219	Two weeks	NFCL Kakinada
20	Manda Bala Durga Venkata Rao	17MH5A0230	Two weeks	NFCL Kakinada
21	Masina Veerendra	17MH5A0231	Two weeks	NFCL Kakinada
22	Meeravath Yogendra	17MH5A0232	Two weeks	NFCL Kakinada
23	Neeli Sireesha	17MH5A0233	Two weeks	NFCL Kakinada
24	Pesala Teja Kumar	17MH5A0234	Two weeks	NFCL Kakinada
25	Polisetti Santhosh Kumar	17MH5A0235	Two weeks	NFCL Kakinada
26	Samineedi Venkatanookaraju	17MH5A0236	Two weeks	NFCL Kakinada
27	Ugwu Pascal Chibuike	16MH1A0206	Two weeks	Vizag Steel plant
28	Mohamed Ismail Abdalrahman Babakir	16MH1A0207	Two weeks	Vizag Steel plant
29	Nitin Sawakar Mendhe	16MH1A0208	Two weeks	Vizag Steel plant
30	Okoro Chukwuebuka Cornelius	16MH1A0209	Two weeks	Vizag Steel plant
31	Vinjarapu Siva Satyanarayana	16MH1A0210	Two weeks	Vizag Steel plant
32	Billakurthi Rajkumar	17MH5A0207	Two weeks	Vizag Steel plant
33	Bokam Suresh	17MH5A0208	Two weeks	Vizag Steel plant
34	Bukka Aravinda Raju	17MH5A0209	Two weeks	Vizag Steel plant
35	Challa Veerababu	17MH5A0210	Two weeks	Vizag Steel plant
36	Penke Umadevi	17MH5A0211	Two weeks	Vizag Steel plant
37	Dachepalli Prudhviraj	17MH5A0212	Two weeks	Vizag Steel plant
38	Guthula Hemanth Vamsi Krishna	17MH5A0220	Two weeks	Vizag Steel plant
39	Guttula Kalyan	17MH5A0221	Two weeks	Vizag Steel plant
40	Immidisetty Adithya	17MH5A0222	Two weeks	Vizag Steel plant
41	Kakinada Samanthaka Mani	17MH5A0224	Two weeks	Vizag Steel plant
42	Konagalla Ravi Kiran	17MH5A0225	Two weeks	Vizag Steel plant
43	Kondipudi Pavan Babu	17MH5A0226	Two weeks	Vizag Steel plant
44	Koppisetti Jyothiswaroop	17MH5A0227	Two weeks	Vizag Steel plant

45	Kotana Ghana Sai Kumar	17MH5A0228	Two weeks	Vizag Steel plant
46	Kudupudi Siva Kumar	17MH5A0229	Two weeks	Vizag Steel plant
47	Savarapu Vinay Kumar	17MH5A0237	Two weeks	Vizag Steel plant
48	Shaik Sameeullah	17MH5A0238	Two weeks	Vizag Steel plant
49	Talagareddy Suresh Kumar	17MH5A0239	Two weeks	Vizag Steel plant
50	Thammana Subhash	17MH5A0240	Two weeks	Vizag Steel plant
51	Yandra Bala Raju	17MH5A0241	Two weeks	Vizag Steel plant
52	Ande Vijay Kumar	17MH5A0242	Two weeks	Vizag Steel plant
53	Batreddi Durga Manikanta	17MH5A0243	Two weeks	Vizag Steel plant
54	Beri Durgesh Gurusundar Reddy	17MH5A0244	Two weeks	Vizag Steel plant
55	Chinnapalli Kamala Devi	17MH5A0245	Two weeks	Vizag Steel plant
56	Chitturi Hemanth	17MH5A0246	Two weeks	Vizag Steel plant
57	Dasara Santosh Kumar	17MH5A0247	Two weeks	Vizag Steel plant
58	Dasari Davood Kumar	17MH5A0248	Two weeks	ONGC Rajahmundry
59	Desaneedi Supriyadevi	17MH5A0249	Two weeks	ONGC Rajahmundry
60	Doddi Sri Subrahmanya Manikanta Kumar	17MH5A0250	Two weeks	ONGC Rajahmundry
61	Gadi Surendra	17MH5A0252	Two weeks	ONGC Rajahmundry
62	Gadigatla Varaprasad	17MH5A0253	Two weeks	ONGC Rajahmundry
63	Ginjala Veerendra	17MH5A0254	Two weeks	ONGC Rajahmundry
64	Golla Vijaybabu	17MH5A0255	Two weeks	ONGC Rajahmundry
65	Gundabolu Nookaraju	17MH5A0256	Two weeks	ONGC Rajahmundry
66	Kaduluri Ganesh	17MH5A0257	Two weeks	ONGC Rajahmundry
67	Karanam Naga Venkata Kalyan	17MH5A0258	Two weeks	ONGC Rajahmundry
68	Karri Manendrakumar	17MH5A0259	Two weeks	ONGC Rajahmundry
69	Karri Ramakrishna Pavan Kumar	17MH5A0260	Two weeks	ONGC Rajahmundry
70	Karukonda Durga Vijay	17MH5A0261	Two weeks	ONGC Rajahmundry
71	Katta Ram Kiran	17MH5A0262	Two weeks	ONGC Rajahmundry
72	Kesanakurthy N Veera Venkata Naveen Sai	17MH5A0263	Two weeks	ONGC Rajahmundry

73	Koppisetti Sai Satya Priya	17MH5A0264	Two weeks	ONGC Rajahmundry
74	Korla Sri Sai Surya Teja	17MH5A0265	Two weeks	ONGC Rajahmundry
75	Kuntella Suresh	17MH5A0266	Two weeks	ONGC Rajahmundry
76	Neeli Pavansrimanikanta Narayana	17MH5A0267	Two weeks	ONGC Rajahmundry
77	Pasupuleti Venkata Kalyan	17MH5A0269	Two weeks	ONGC Rajahmundry
78	Pilli Sandeep	17MH5A0270	Two weeks	ONGC Rajahmundry
79	Guddati Manikanta	17MH5A0271	Two weeks	ONGC Rajahmundry
80	Ponnaganti Jaya Durga Prasad	17MH5A0272	Two weeks	ONGC Rajahmundry
81	Reddy Bala Subrahmanyam	17MH5A0273	Two weeks	ONGC Rajahmundry
82	Seela Venkata Ramana	17MH5A0274	Two weeks	ONGC Rajahmundry
83	Yamana Sai Jagadeesh	17MH5A0275	Two weeks	ONGC Rajahmundry
84	Thotakura Veeramohan	17MH5A0276	Two weeks	ONGC Rajahmundry
85	Vemavarapu Veeranna Babu	17MH5A0277	Two weeks	ONGC Rajahmundry
86	Adabala Siva Sai Naga Suresh	17MH5A0278	Two weeks	ONGC Rajahmundry
87	Bayya Rajkiran	17MH5A0279	Two weeks	ONGC Rajahmundry
88	Bonam Satya Sai Manikanta	17MH5A0280	Two weeks	ONGC Rajahmundry
89	Jami Bhaskara Rao	17MH5A0281	Two weeks	ONGC Rajahmundry
90	Vasamsetti Pavan Siva Narayana	17MH5A0282	Two weeks	ONGC Rajahmundry
91	Pepakayala Paddaraju	17MH5A0283	Two weeks	ONGC Rajahmundry
92	Pampana Tatasuryamanikrishnakumar	17MH5A0284	Two weeks	ONGC Rajahmundry
93	Kakaraparthi Suresh	17MH5A0285	Two weeks	ONGC Rajahmundry
94	Shaik Anju	17MH5A0286	Two weeks	ONGC Rajahmundry
95	Pilla Durga Prasad	17MH5A0287	Two weeks	ONGC Rajahmundry

Post Training Assessment:

Once the student joined as intern, the faculty coordinator will monitor their progress of their work or activities in the organization through email/phone at frequent interval of times. After successful completion of their internship student will report back to the coordinator in the institution and submit a clear report of their work carried out during the summer training/ internship. They need to present their gained knowledge and exposure with all the peers in the presence of coordinator in the department.

C. Impact Analysis of industrial training:

- Improve Communication skills
- Students gain work experience
- Have an edge in the Job Market
- Possibility for transition into employment
- Exposed to industrial environment
- Get ideas to for their major project from the industrial training.

For the last three years, around 200 students received training from various industries in and around Visakhapatnam, Kakinada and Rajahmundry during semester break. The major industries in which students have undergone training are NFCL Kakinada, Vizag Steel Plant, and ONGC Rajahmundry etc.

- Awareness on recent tools used in industry help them to learn and grab opportunities in various MNC companies.
- Product based projects are implemented by the students.
- Team work, communication skills, soft skills are improved.
- Industry expert interaction helps them to understand the need of applying contextual knowledge to assess societal, health and safety issues.
- The visit to industry helps the student to improve the practical knowledge of the processes and systems.
- Students are motivated towards research based knowledge by improving their degree through higher studies.

D. Student feedback on initiative:

The feedback from the students who have visited the industries for internship/ training is collected and analyzed for further improvement in conducting such activities. The feedback collected helps the department to take necessary measures to improve and increase such activities that benefits the Successive student batches. The feedback is collected from the students after successful completion of their training. The feedback analysis conveys that the students are able to:

- Demonstrate the different stages in power generation in hydro power plant.
- Understand the operation of generator, turbine and prime mover etc.

Criterion 3	Course Outcomes and Program Outcomes	120

3. COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

3.1. Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)

(Program Outcomes as mentioned in Annexure I and Program Specific Outcomes as defined by the Program)

PO No.	Description
PO 1	**Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems
PO2	**Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences
PO3	**Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations
PO4	**Conduct investigations of complex problems** using research based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions
PO5	**Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations
PO6	**The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice
PO7	**Environment and Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development
PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice
PO9	**Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings
PO10	**Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions
PO11	**Project Management and Finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments
PO12	**Life-long Learning:** Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change

Program Specific Outcomes (PSOs):

PSO1	Apply the fundamental knowledge of mathematics, science, electrical and electronics engineering to analyse and solve the complex problems in electrical, electronics and allied interdisciplinary areas.
PSO2	Design, develop and implement electrical and electronics and allied interdisciplinary projects to meet the demands of industry and to provide solutions to the current real time problems.

3.1.1. Course Outcomes (COs) (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (05)

Note: Number of Outcomes for a Course is expected to be around 6.

C211.1	Solve three- phase circuits under balanced and unbalanced condition.
C211.2	Find the transient response of electrical networks for different types of excitations
C211.3	Find parameters for different types of network.
C211.4	Realize electrical equivalent network for a given network transfer function.
C211.5	Extract different harmonics components from the response of an electrical network.
C211.6	Relate the Fourier transforms to electrical circuit response.

C222.1	Explain the operation and performance of three phase induction motor.
C222.2	Analyze the torque-speed relation, performance of induction motor and induction generator
C222.3	Explain design procedure for transformers and three phase induction motors
C222.4	Develop the starting of single phase induction motors.
C222.5	Design winding design and predetermine the regulation of synchronous generators
C222.6	Develop methods of staring and correction of power factor with synchronous motor

C311.1	Discuss the parameters of various types of transmission lines from the conductor configuration and physical characteristics of the lines
C311.2	Categorize the transmission lines and analyze the performance of short, medium and long transmission lines
C311.3	Analyze the power system transients and grasp the various factors governing the performance of transmission line
C311.4	Define Skin effect and Proximity effects and Discuss Corona Phenomena.
C311.5	Define Sag/Tension and calculate Sag/tension of transmission lines
C311.6	Classify and compare different type of insulator

C321.1	Explain the principle of electrical drives & different electric braking methods.
C321.2	Analyse the d.c. motor speed control using converters.
C321.3	Analyse a drive being applied in 4 different quadrants
C321.4	Explain& analyse the concept of different speed control methods in induction motors using thyristors based control schemes.
C321.5	Differentiate the stator side control and rotor side control of three phase induction motor.
C321.6	Explain the speed control mechanism of synchronous motors

C411.1	Identify a suitable motors for electric drives and industrial applications
C411.2	Identify most appropriate heating or welding techniques for suitable applications
C411.3	Discuss various level of illuminosity produced by different illuminating sources
C411.4	Evaluate the illumination levels produced by various source and recommend the most efficient illuminating sources and should be able to design different lighting systems by
C411.5	Determine the speed/time characteristics of different types of traction motors
C411.6	Evaluate energy consumption levels at various modes of operation

C421.1	Explain the specific characteristics and differences of discrete/digital and analog systems
C421.2	Apply Z-transforms to Digital systems
C421.3	Apply the concept of state space to test the performance of digital control systems
C421.4	Analyze the different tests for stability of discrete–time systems
C421.5	Design compensators and controllers to achieve the desired performance by conventional methods
C421.6	Design controller by pole-placement technique to achieve desired system-behavior

Table – 3.1.1

3.1.2. CO-PO matrices of courses selected in 3.1.1 (six matrices to be mentioned; one per semester from 3rd to 8th semester) (05)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C211.1	2	3	2									
C211.2	2	3	3									
C211.3	2	3	2									
C211.4	1	3	3									
C211.5	1	2	3									
C211.6	1	3	2									

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C222.1	3		2									2
C222.2	1	2	3									
C222.3	2	2	3									2
C222.4	1	2	3									
C222.5	2	3	2									2
C222.6	1	2	3		3							

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C311.1	3											
C311.2	3	3	3									
C311.3	3	3	3									2
C311.4	3	3	3		1		2					2
C311.5	3	3	3	1	2	2	2		3			2
C311.6	2	2	2	1		1	2		3			1

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C321.1	1	2	3									
C321.2	2	2	3									
C321.3	2	3	2									
C321.4	1	2	2									
C321.5	1	3	1									
C321.6	2	3	1									

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C411.1	3	2	2				1					
C411.2	3	2	2				1					
C411.3	3	2					1					
C411.4	3	2	2				1					2
C411.5	3	2	2				1					
C411.6	2	3	1				1					

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C421.1	3	2	1									
C421.2	2	3	1									
C421.3	3	1	2		2							
C421.4	3	2	1									
C421.5	2	2	3									
C421.6	2	2	3									

Table 3.1.2

3. Similar table for PSOs

CO	PSO1	PSO2
C211.1	3	2
C211.2	2	3
C211.3	3	2
C211.4	2	3
C211.5	3	2
C211.6	3	2

CO	PSO1	PSO2
C222.1	3	2
C222.2	1	2
C222.3	3	1
C222.4		3
C222.5	1	2
C222.6	1	3

CO	PSO1	PSO2
C311.1	2	2
C311.2	3	2
C311.3	2	2
C311.4	3	2
C311.5	3	2
C311.6	2	2

CO	PSO1	PSO2
C321.1	2	3
C321.2	2	3
C321.3	2	2
C321.4	2	1
C321.5	1	2
C321.6	1	2

CO	PSO1	PSO2
C411.1		
C411.2	2	
C411.3	2	
C411.4	2	2
C411.5	2	
C411.6		

CO	PSO1	PSO2
C421.1	2	1
C421.2	2	
C421.3	2	
C421.4	2	
C421.5	2	1
C421.6	2	1

3.1.3. Program level Course-PO matrix of all courses INCLUDING first year courses (10):

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	2.67	2.67										
C112						2		2		2.66		2
C113	2.33	2.5										
C114	2.5	2.5	2.67		3							2
C115	2.16	2			2.5							
C116										2		
C117	2		3		1	1		1	3	3		2
C118	2.5	2.33	2									
C121	2.5	2.3										
C122	2.16	2.33		2								
C123	2.5	2.33	2									
C124	1.3	2.8	2.8									
C125	2.66	2.5					2.5					
C126	3	2.6		2.5					3			
C127	2.25	2.75	1.5	1	1	1						
C128	2.75	2.67	2.25	2	2		2				2	
C129	2.17	2.17	1.5			2.17	2.33	2.17				1.83
C211	1.5	2.8	2.5									
C212	2.33	2	2.25		3							2
C213	2	2.3		2								
C214	3	2.5	2.2	1.7								1.33
C215	2.83	2.83	2.6	2								1.66
C216	1	1	1.66		1.33				1		2.2	
C217	2.83	2.83	2.6	2								1.66
C218	3	2.1	1.6									
C219	2.17	2.17	1.5			2.17	2.33	2.17				1.83
C221	2.3	2.6	2.3									2
C222	1.5	2.2	2.67									2
C223	1.5	2	2.83				1					1.83

C224	3	2	2									
C225	2.33	1					0.83					1.83
C226	2.5	2.83	2.33									1.66
C227	2.3	2.6	2.3									
C228	2.5	2.25	2.25						2.5	2.25		2
C229						2		2.16	2	2		2
C311	2.83	2.8	2.8	1	1.5	1.5	2		3			1.75
C312	2.66	2	1.8		2.3		2.25					
C313	2.3	2.6	2.3									
C314	2.16	2	2.16									
C315	2.83	2	2.2									
C316	2.66	2.5	1.83									
C317	1.83	2	3				2			2		2
C318	2.3	2.6	2.3									
C319						2		2	1.66	1.66	1.5	2
C321	1.5	2.5	2									
C322	2.33	2.16	2.25		3							2
C323	2.6	2.6	2	2	2							
C324	1.83	2.33	2.25	2.25								
C325	2.33	2.33	2.5	2.5					3			3
C326	1.83	2.33	2.33				2			2		2
C327	2.16	2.16	2.5		2				2.3	2.16		2
C328	1.83	2.33	2.25	2.25								
C329	2.5	2.25	3	3	2	3	2.5	3	2	2		3
C411	2.83	2.16	1.8				1					2
C412	2.5	2.66	2.66									2
C413	3	2.83	2.66		1							
C414	2.33	1.83	1.8	2	2.5							
C415	2.5	1	1	1	1.33							0.5
C416	2.83	2.8	2.8	2.5	2							
C417	1.33	1.83	2.66	2	2.66							
C418	2.83	2.8	2.8	2.5	2							
C421	2.5	2	1.83		2							
C422	2.1	2.5	2.3									
C423	2.5	1.83	1.33				1					1
C424	3	1.5	1		1.5							1
C425	2	2	2	2	2				2	2	2	
C426	3	2.8	2.8	2.8	2.8	2.6	2.6	3	3	3	3	3

2. **Similar table for PSOs**

Course	PSO1	PSO2
C111		
C112		2
C113		
C114	2.5	2
C115		
C116		2
C117	2	2
C118		
C121		
C122		2
C123		
C124	2.5	2.5
C125		
C126		2
C127		
C128		
C129	2	2
C211	2.6	2.6
C212	2.5	2.33
C213	2.1	2
C214	2.5	
C215		
C216		
C217		
C218	2	2
C219	2	2
C221	2.3	2
C222	1.8	2.16
C223	3	3
C224	2	2
C225	1.66	
C226	2	2
C227	2	2
C228	3	3
C229		
C311	2.5	2
C312	2	1.8
C313	2	2
C314	2	
C315	1.83	1.66
C316	2	2

C317	2	2.33
C318	2	2
C319		
C321	1.66	2.16
C322	2.5	2.33
C323		2.2
C324		2.8
C325	2	2
C326	2.33	2
C327	2.16	2.16
C328		2.8
C329		
C411	2	2
C412	2.5	2.4
C413	2	2
C414	1.5	2
C415	2.5	0.83
C416	2.5	2
C417	2	2
C418	2.5	2
C421	2	1
C422	2	2
C423	2.5	2
C424	2.5	1.66
C425	2	
C426	3	3

3.2. Attainment of Course Outcomes (50)

3.2.1. Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

(Examples of data collection processes may include, but are not limited to, specific exam questions, laboratory tests, internally developed assessment exams, oral exams assignments, presentations, tutorial sheets etc.)

1) Assessment for theory courses

After commencement of class work, the Course Coordinator will design the flow of curriculum, lesson plan indicating teaching methods. Slip tests, oral presentations are conducted at regular intervals during 1st hour for 15 marks. Semester-end (external) examination will be conducted by the affiliating university for 70 marks and internal examination will be for 30 marks for all the theory courses. Internal assessment will be conducted as per the guidelines and schedule of JNTUK, Kakinada. Internal examinations are conducted in the form of Descriptive, Online, and Assignments comprising a total of 30 marks twice in a semester. Out of two internal assessments, as per the regulations of the affiliating university, 80% of best mark and 20% of least mark will be computed and internal assessment marks are finalized.

1.1. Class average mark and percentage of students scored above average mark

All the marks scored by the learners are recorded and taking sum of all marks obtained by the students divided by number of students gives the class average mark and number of students obtained greater than this mark will be considered. Then the percentage of students scored above average mark will computed.

1.2. Target and attainment levels of COs for internal assessment

Target is stated in terms of number of students scoring greater than or equal to 16 (>= 16) in the internal assessment for a maximum marks of 30. Based on rubrics set for individual course, the attainment level will be calculated.

1.3. Target and attainment levels of COs for external assessment

Target is stated in terms of number of students scoring greater than or equal to 24(>= 24) in the external exam for a maximum marks of 70. Based on rubrics set for individual course, the attainment levels will be calculated.

1.4. Calculation of attainments

Attainments for internal examinations will be calculated by taking the question wise attainments for descriptive, online and assignments and average of theses attainments will be considered as CO attainments will be finalized.

Affiliating university declares the result using grade point average; therefore, class average mark will be computed by considering all the succeeded students in the semester-end (external) examination. Based on the class average mark, percentage of students score above class average mark and its attainment will be calculated. Average attainment will be finalized.

As per the regulations prescribed by the affiliating university, 30% weight for internal assessment and 70% weight for external assessment will be taken to calculate the final attainment of that course. If the final attainment is less than the target attainment then the observations/reasons will be analyzed to achieve the target for each course and laboratory**.**

Sample theory CO Attainment:

ADITYA COLLEGE OF ENGINEERING																							
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING																							
Course Assessment																							
Course Name:	**ELECTRICAL MACHINES-II**										Academic Year:	**2020 - 21**											
Faculty Name:	**M.SATYANARAYANA RAJU**										Year & Semester:	**II Year II Semester**											
Course Code:	**R1922022**										Branch & section:	**EEE**											
	Internal Examination-1										**Internal Examination-2**												
S. NO	**ROLL NO**	**1.a**	**1.b**	**2.a**	**2.b**	**3.a**	**3.b**	**Total**	**Assignment**	**Quiz**	**Total**	**1.a**	**1.b**	**2**	**3.a**	**3.b**	**Total**	**Assignment**	**Quiz**	**Total**	**Internal**	**End Semester grade**	**Grade point**
Maximum Marks		5	5	5	5	5	5	10	5	10	25	5	5	10	5	5	10	5	10	25	25	O	10
1	19MH1A0201	5	5	5	5	3	3	**9**	3	2	**14**	3	4	5	3	5	**7**	5	4	**16**	**16**	C	6
2	19MH1A0203	5	5	5	5	5	0	**9**	5	4	**18**	4	5	10	5	4	**10**	5	6	**21**	**21**	C	6

3	19MH1A0204	5	5	5	5	5	0	**9**	5	4	**18**	4	4	9	5	4	**9**	5	3	**17**	**18**	C	6
4	19MH1A0205	0	5	5	5	3	3	**7**	4	2	**13**	5	4	8	5	5	**9**	4	4	**17**	**17**	C	6
5	19MH1A0206	5	5	3	3	0	4	**7**	2	4	**13**	3	0	9	3	4	**7**	4	3	**14**	**14**	D	5
6	19MH1A0208	5	5	4	5	0	3	**8**	1	4	**13**	3	4	5	3	0	**5**	5	3	**13**	**13**	D	5
7	20MH5A0201	5	0	0	4	5	0	**5**	1	3	**9**	5	0	0	5	5	**5**	5	4	**14**	**13**	D	5
8	20MH5A0202	4	5	4	5	5	5	**10**	1	7	**18**	4	2	9	5	3	**8**	5	0	**13**	**17**	D	5
9	20MH5A0203	5	5	5	5	5	5	**10**	3	3	**16**	5	0	9	5	5	**8**	5	6	**19**	**19**	C	6
10	20MH5A0204	5	5	3	4	5	5	**9**	1	3	**13**	5	0	10	2	5	**8**	2	3	**13**	**13**	C	6
11	20MH5A0205	5	5	5	5	0	4	**8**	4	5	**17**	5	2	8	0	5	**7**	5	3	**15**	**17**	C	6
12	20MH5A0206	4	5	5	5	5	0	**8**	2	3	**13**	3	5	9	0	3	**7**	5	3	**15**	**15**	C	6
13	20MH5A02077	5	5	5	5	5	5	**10**	5	4	**19**	0	5	8	4	5	**8**	5	4	**17**	**19**	C	6
14	20MH5A0208	5	0	0	4	5	0	**5**	3	3	**11**	0	5	0	5	5	**5**	5	2	**12**	**12**	D	5
15	20MH5A0209	5	5	4	3	4	3	**8**	1	1	**10**	5	3	9	3	3	**8**	3	3	**14**	**14**	C	6
16	20MH5A0210	5	4	5	5	5	4	**10**	5	5	**20**	5	2	7	3	4	**7**	3	3	**13**	**19**	B	7
17	20MH5A0211	5	5	4	4	5	3	**9**	0	3	**12**	5	0	8	3	5	**7**	5	3	**15**	**15**	C	6
18	20MH5A0212	5	5	4	5	4	5	**10**	5	1	**16**	4	5	7	3	4	**8**	5	3	**16**	**16**	D	5
19	20MH5A0213	5	5	5	5	5	5	**10**	5	3	**18**	5	5	10	5	5	**10**	5	3	**18**	**18**	A	8
20	20MH5A0214	5	5	5	5	4	5	**10**	3	1	**14**	5	2	9	3	4	**8**	5	5	**18**	**18**	B	7
21	20MH5A0215	5	5	5	4	4	5	**10**	3	3	**16**	5	2	9	4	4	**8**	5	5	**18**	**18**	B	7
22	20MH5A0216	4	5	5	4	5	4	**9**	4	5	**18**	3	2	8	3	4	**7**	5	6	**18**	**18**	C	6
23	20MH5A0217	5	5	5	5	0	0	**7**	0	1	**8**	0	0	7	3	5	**5**	5	1	**11**	**11**	D	5
24	20MH5A0218	0	4	0	5	5	0	**5**	0	4	**9**	0	5	0	5	5	**5**	5	3	**13**	**13**	C	6
25	20MH5A0219	4	4	5	5	4	4	**9**	5	4	**18**	5	5	8	0	5	**8**	5	4	**17**	**18**	C	6
Class Average Mark		4.4	4.5	4.0	4.6	3.8	3.0	8.4	2.8	3.3	14.6	3.6	2.8	7.2	3.4	4.2	7.4	4.6	3.5	15.5	16.1	C	5.92
Student Scored above average mark		19	20	15	17	19	18	15	15	11	12	16	13	17	11	13	13	20	10	12	13	25	
Students attempted the question		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
% students scored above average mark		76	80	60	68	76	72	60	60	44	48	64	52	68	44	52	52	80	40.00	48	52	100	
Attainment level		3	3	2	3	3	3	2	2	1	1	2	2	3	1	2	2	3	1	1	2	3	
																					Internal	**University Exam**	**Overall**

	C211.1	**3**	**3**						2	**1**											**2.25**	**3**	**2.81**
	C211.2			**2**	**3**				2	**1**											**2**	**3**	**2.75**
	C211.3					**3**	**3**		2	**1**											**2.25**	**3**	**2.81**
	C211.4											**2**	**2**					**3**	**1**		**2**	**3**	**2.75**
	C211.5													**3**				**3**	**1**		**2.3333**	**3**	**2.83**
	C211.6														**1**	**2**		**3**	**1**		**1.75**	**3**	**2.69**

	Overall Course attainment	**2.77**
	Set target for course attainment	**2.09**
	Status of the course attainment (Yes/No)	**Yes**

	C211.1	Explain the operation and performance of three phase induction motor.
	C211.2	Analyze the torque-speed relation, performance of induction motor and induction generator
	C211.3	Explain design procedure for transformers and three phase induction motors
	C211.4	Develop the starting of single phase induction motors
	C211.5	Design winding design and predetermine the regulation of synchronous generators
	C211.6	Develop methods of staring and correction of power factor with synchronous motor
	Base Target taken for CO:	Class average Mark

	Rubrics:			
	>60% students	3		
	50 to 60% students	2	Best performing Course Outcome:	C211.5
	<50 % students	1	Least performing Course Outcome:	C211.6

	Reason for low attainment:	1	Due to theoretical explanation on starting methods and power factor correction with synchronous motor students not able to understand the concepts clearly
		2	Less number of problems solved in the power factor correction of synchronous motor
		3	
	Plan of Action for improvement	1	The concept of starting methods and power factor correction with synchronous motor is explaining by practically in the laboratory and by conducting additional class tests in this topic.
		2	Additional hours will be allotted to train the students in problem solving on power factor correction of Synchronous motor
		3	

2. Attainment for laboratory courses

The schedules for laboratory courses are prepared as per the guidelines of the affiliating university and the prescribed experiments will be carried out. Students will prepare the observations and practical records for the experiments performed by them. Day-to-day evaluation will be recorded and finalized as internal assessment for 25 marks for each laboratory course and end practical examination will be conducted as per the schedule given by the affiliating university for 50 marks. Attainment will be computed by finding the class average mark, percentage of students who succeeded and their attainments.

ADITYA COLLEGE OF ENGINEERING																	
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING																	
Course Assessment																	
Course Name:		ELECTRICAL CIRCUITS -II LAB															
Faculty Name:		CH.MANOJ															
Course Code:		R1921028															
S.NO	**ROLL NO**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Total**	**Day to day**	**Record**	**Total**	**End Semester grade**	**Grade point**
Maximum Marks												**10**	**5**	**5**	**20**	O	**10**
1	19MH1A0201							**8**				**8**	**4**	**2**	14	A	8
2	19MH1A0203		**10**							**10**		**10**	**5**	**4**	19	O	10
3	19MH1A0204			**10**								**10**	**5**	**5**	22	O	10
4	19MH1A0205							**9**				**9**	**3**	**3**	15	A	8
5	19MH1A0206						**10**					**10**	**3**	**3**	16	A	8
6	19MH1A0208						**7**					**7**	3	4	14	A	8
7	20MH5A0201									**8**		**8**	3	3	14	A	8
8	20MH5A0202					**5**						**5**	3	2	20	B	7
9	20MH5A0203						**10**					**10**	5	4	19	S	9
10	20MH5A0204							**7**				**7**	3	4	18	A	8
11	20MH5A0205						**10**					**10**	5	4	19	O	10
12	20MH5A0206						**10**					**10**	4	4	20	O	10
13	20MH5A0207										**8**	**8**	4	3	21	S	9
14	20MH5A0208							**10**				**10**	5	4	22	O	10
15	20MH5A0209	7										**7**	4	3	18	A	8
16	20MH5A0210										**7**	**7**	4	3	24	S	9
17	20MH5A0211	8										**8**	4	3	19	A	8
18	20MH5A0212		**9**									**9**	3	3	22	A	8
19	20MH5A0213								**9**			**9**	4	5	20	S	9
20	20MH5A0214						**10**					**10**	5	4	22	S	9
21	20MH5A0215						**10**					**10**	4	4	23	S	9
22	20MH5A0216							**10**				**10**	4	3	21	S	9
23	20MH5A0217										**5**	**5**	4	4	18	B	7

24	20MH5A0218									**9**		**9**	3	3	19	A	8
25	20MH5A0219							**10**				**10**	4	3	20	S	9
Class Average Mark		7.5	9.5	10.00	0.0	5.0	9.6	9.0	9.0	9.0	6.7	8.6	3.9	3.5	19.2	S	8.64
Student Scored above average mark		1	1	1	0	1	6	4	1	2	2	15	17	12	12	13	
Students attempted the question		2	2	1	0	1	7	6	1	3	3	25	25	25	25	25	
% students scored above average mark		50	50	100	0	100	86	67	100	67	67	60	68	48	48	52	
Attainment level		2	2	3	0	3	3	3	3	2	3	3	3	1	1	2	
															Internal	**University Exam**	**Overall**
	CO1						**3**						3	**1**	**2.3333**	**2**	**2.12**
	CO2		**2**										3	**1**	**2**	**2**	**2.00**
	CO3	**2**											3	**1**	**2**	**2**	**2.00**
	CO4				**0**	**3**							3	**1**	**1.75**	**2**	**1.91**
	CO5			**3**				**3**	**3**				3	**1**	**2.6**	**2**	**2.21**
	CO6									**2**	**3**		3	**1**	**2.25**	**2**	**2.09**
	Overall Course attainment																**2.05**
	Set target for course attainment																**2.01**
	Status of the course attainment (Yes/No)																**Yes**
	CO1	Verify the Thevenins ,Nortons and Superposition theorem for a given network.															
	CO2	Verify the Compensation and Maximum power transfer theorem for given network.															
	CO3	Verify the Reciprocity and Millimann's theorem for given network.															
	CO4	Determine the different two-port network parameters for given network.															
	CO5	Calculate the Self and mutual inductance and co-efficient of coupling of a given inductive coils and find the chock coil parameters.															
	CO6	Determine hot and cold resistance of a electrical lamp and measure the 3-phase power using 2 wattmeter method using unbalance load.															
	Base Target taken for CO:			Class average Mark													
	Rubrics:																
	>60% students	3															
	60 to 50% students	2							Best performing Course Outcome: CO1								
	50 % students	1							Least performing Course Outcome: CO4								
	Reason for low attainments:			1	Limited number of students were allocated for one set up												
				2	Revised experiments after completion of each cycle												
				3													
	Plan of Action for improvement			1	Planning to conduct revision frequently.												
				2	Planning to conduct calibration of experiments regularly												
				3													

Project Attainment

Projects plays major role in getting practical exposure to the learnt theoretical concepts. Average marks obtained for each project is used as tool for assessing program outcomes.

PO attainment is calculated from the projects in following steps

- Projects mapping to POs
- Average marks obtained by the students of project batch

POs related to each project will be submitted to the project coordinator before start of the project work. After getting the results, average marks obtained by each batch are calculated and based on the mapped POs attainment is carried out by taking the average of all the batch marks related that PO.

Project Outcomes are framed as below:

Project Outcomes:

CO	Course Outcomes
C426:CO1	Explain Ideas and concept through conducting literature survey
C426:CO2	Analyse and formulate the Problem
C426:CO3	Apply Existing methodology to the problem
C426:CO4	Apply Proposed methodology to the problem
C426:CO5	Evaluate and Validate the proposed method by comparing with other standard methods
C426:CO6	Write the documentation of the project with clear description

Project assessment is performed using following tools

1. Internal Assessment
2. External Assessment

1. Internal Assessment Tools

Project internal assessment is based on the marks obtained by the students in internal reviews conducted by the department. Total 3 reviews are conducted during the semester. This assessment is done considering the average marks obtained by the batch of students.

Initially project allotment and guide selection are done as per the details provided in the project manual. After the assignment of project, PO Mapping will be done and sample is shown below.

Project PO Mapping:

S.NO	Batch NO	Regd.NO	Name of Student	% of marks	Title	Pos&PSOs
1	**EEEMH202101**	18MH5A0219	YELLAPU MANIKANTA SWAMY	98%	Speed Control of BLDC Motor Using Bluetooth and Android Technology	1,2,3,4,5, 8,9,10 & 1,2
2		18MH5A0226	KARNEEDI HARISH	91.6%		
3		18MH5A0217	VELUDUTI JOSEPH KRANTHI	93.3%		
4		16PA1A0238	KONNA ROJA	91.6%		

After the beginning of the project work in the final year, three reviews will be conducted internally within the duration of the project. Marks obtained by the students in those internal reviews are used to assess the project. This assessment is based on the marks obtained in the internal reviews and mapping project outcomes to internal reviews. Mapping of internal reviews with project outcomes is as shown below.

Project outcome mapping with reviews:

CO	Review1	Review2	Review3	Overall
C426:CO1	Y			Y
C426:CO2	Y			Y
C426:CO3		Y		Y
C426:CO4		Y		Y
C426:CO5			Y	Y
C426:CO6			Y	Y

Initially average percentage marks of the batch of students obtained in each review is calculated as follows

Internal Reviews Percentage:

S.NO	Regd.NO	Review1	Review2	Review3
1	18MH5A0219	20	19	20
2	18MH5A0226	19	18	18
3	18MH5A0217	19	18	19
4	16PA1A0238	18	18	19
Average		19	18.25	19
%		95%	91.25%	95%

Internal Attainment:

CO	Review1 (%)	Review2 (%)	Review3 (%)	Internal Attainment (%)
C426:CO1	95%			95%
C426:CO2	95%			95%
C426:CO3		91.25		91.25%
C426:CO4		91.25		91.25%
C426:CO5			95%	95%
C426:CO6			95%	95%

2. External Assessment

External assessment is based on the performance of the students in the final project viva-voce conducted by the external examiner assigned by the University

Initially average percentage marks of the batch of students obtained in end examinations is calculated as follows

Project End Exam percentage:

S.NO	Regd.NO	University Exam
1	18MH5A0219	**O**
2	18MH5A0226	**O**
3	18MH5A0217	**O**
4	16PA1A0238	**O**
Average		**180**
% Marks		**90%**

As the end examination covers all the project outcomes and as the information on outcome wise evaluation is not available, average percentage obtained in above procedure is allotted to all the outcomes.

External Attainment:

CO	University Exam
C426:CO1	90%
C426:CO2	90%
C426:CO3	90%
C426:CO4	90%
C426:CO5	90%
C426:CO6	90%

Overall Attainment:

Overall attainment is calculated by taking weighted average of internal and external assessments. 30% weightage is given for internal assessment and 70% weightage is given for external assessment. More weightage is given for external assessment as it is conducted by the University whereas internal assessment is done within the program

CO	Internal Attainment (%)	External Attainment (%)	Overall Attainment (%)
C426:CO1	95	90	92.5
C426:CO2	95	90	92.5
C426:CO3	91.25	90	90.6
C426:CO4	91.25	90	90.6
C426:CO5	95	90	92.5
C426:CO6	95	90	92.5

Rubrics for Project Assessment:

Based on the final average percentage achieved attainment level is given based on the following rubrics.

Rubrics for Project Assessment:

S.NO	Level	Description
1	3	If the final attainment Percentage is more than 60%
2	2	If the final attainment percentage is between 50% and 60%
3	1	If the final attainment percentage is less than 50%

Level of Attainment:

CO	Overall Attainment (%)	Level of Attainment
C426:CO1	92.5	3
C426:CO2	92.5	3
C426:CO3	90.6	3
C426:CO4	90.6	3
C426:CO5	92.5	3
C426:CO6	92.5	3

3. Overall Performance of students in projects:

Projects plays major role in getting practical exposure to the learnt theoretical concepts. Average marks obtained for each project is used as tool for assessing program outcomes.

PO attainment is calculated from the projects in following steps

- Project mapping to POs
- Average marks obtained by the students of a project batch

POs related to each project will be submitted to the project coordinator before start of the project work. After getting the results, average marks obtained by each batch are calculated and based on the mapped POs; attainment is calculated by taking the average batch marks related to that PO.

Project Assessment Sheet:

ADITYA COLLEGE OF ENGINEERING								
Department of Electrical &Electronics Engineering								
Course Assessment								
Course Name:		PROJECT			**Academic Year:**		2020 – 21	
Faculty Name/Project Coordinator:		Dr. M.Ravindra			**Year & Semester:**		IV Year II Semester	
Course Code:		R1642026			**Branch & section:**		EEE	
S.NO	**ROLL NO**	**1st Review**	**2nd Review**	**3rd Review**	**Internal**	**End Semester grade**	**Grade Points**	
	Maximum Marks	**20**	**20**	**20**	**60**	**O**	O	
1	16MH1A0201	18	18	19	55	O	10	
2	16PA1A0238	18	18	19	55	O	10	
3	17MH1A0201	19	18	20	57	O	10	
4	17MH1A0202	18	19	18	55	O	10	
5	17MH1A0203	18	18	20	56	O	10	
6	17MH5A0223	19	20	19	58	O	10	
7	17MH5A0237	18	18	19	55	O	10	
8	18MH5A0201	20	20	20	60	O	10	
9	18MH5A0202	19	20	20	59	O	10	
10	18MH5A0203	19	18	20	57	O	10	
11	18MH5A0204	19	20	19	58	O	10	
12	18MH5A0206	18	19	19	56	O	10	
13	18MH5A0207	19	19	20	58	O	10	
14	18MH5A0208	20	20	19	59	O	10	
15	18MH5A0209	20	18	20	58	O	10	
16	18MH5A0210	19	20	19	58	O	10	
17	18MH5A0211	20	19	19	58	O	10	
18	18MH5A0212	20	19	19	58	O	10	
19	18MH5A0213	19	20	20	59	O	10	
20	18MH5A0214	19	19	19	57	O	10	
21	18MH5A0215	20	19	20	59	O	10	
22	18MH5A0216	19	19	20	58	O	10	
23	18MH5A0217	19	18	19	56	O	10	
24	18MH5A0218	19	19	19	57	O	10	
25	18MH5A0219	20	19	20	59	O	10	
26	18MH5A0220	18	18	19	55	O	10	

27	18MH5A0221	18	18	19	55	O	10	
28	18MH5A0222	19	20	19	58	O	10	
29	18MH5A0223	19	19	19	57	O	10	
30	18MH5A0224	19	19	20	58	O	10	
31	18MH5A0225	19	19	20	58	O	10	
32	18MH5A0226	19	18	18	55	O	10	
Class Average Mark		19	19	19	57	O	10	
Student Scored above average mark		24	21	13	17	32	32	
Students attempted the question		32	32	32	32	32	32	
% students scored above average mark		75	66	41	53	100	100	
Attainment level		3	3	1	2	3	3	
						Internal	**University Exam**	**Overall**
	C426.1	**3**			**2**	**3**	**3**	**3.00**
	C426.2	**3**			**2**	**3**	**3**	**3.00**
	C426.3		**3**		**2**	**2.5**	**3**	**2.85**
	C426.4		**3**		**2**	**2.5**	**3**	**2.85**
	C426.5			**1**	**2**	**1.5**	**3**	**2.55**
	C426.6			**1**	**2**	**1.5**	**3**	**2.55**
						Overall Course attainment		**2.80**
						Set target for course attainment		**2.45**
						Status of the course attainment (Yes/No)		**Yes**
	C426.1	Explain Ideas and concept through conducting literature survey						
	C426.2	Analyse and formulate the Problem						
	C426.3	Apply Existing methodology to the problem						
	C426.4	Apply Proposed methodology to the problem						
	C426.5	Evaluate and Validate the proposed method by comparing with other standard methods						
	C426.6	Write the documentation of the project with clear description						

Base Target taken for CO:	Class average Mark					
<u>Rubrics:</u>						
>60% students	3					
50 to 60% students	2	Best performing Course Outcome:			C426.1,C426.2	
<50 % students	1	Least performing Course Outcome:			C426.5,C426.6	
Reason for low attainment:	1	Should be application oriented and useful to society				
	2	Should be related to electrical stream				
	3	Should improve presentation skills				
Plan of Action for improvement						
	1	Working on prototype projects like product development				
	2	Working on Application oriented projects				

In- Direct Attainment:

Indirect attainment was calculated by collecting the course outcomes survey from the students after completion of concerned semester. From every student feedback was collected for the CO of each course from the concerned Semester according to the give rating levels like 3- High, 2- Moderate, 1- Low. Feedback given by each student against each CO is formulated and consolidated average value was calculated. 20% of the average value was considered from the indirect attainment of Course Outcomes to calculate overall attainment.

OVERALL ATTAINMENT = 20 % of IN-DIRECT ATTAINMENT + 80 % of DIRECT ATTAINMENT

3.2.2. Record the attainment of Course Outcomes of all courses with respect to set attainment levels (40):

Program shall have set Course Outcome attainment levels for all courses.

(The attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect to the Course Outcomes of a course in addition to the performance in the University examination)

Measuring Course Outcomes attained through University Examinations

Target may be stated in terms of percentage of students getting more than the university average marks or more as selected by the Program in the final examination. For cases where the university does not provide useful indicators like average or median marks etc., the program may choose an attainment level on its own with justification.

Example related to attainment levels Vs. targets: (The examples indicated are for reference only. Program may appropriately define levels)

Attainment Level 1: below 50% of students score more than 50% marks out of the maximum relevant marks.

Attainment Level 2: 50% to 60% of students score more than 50% marks out of the maximum relevant marks.

Attainment Level 3: more than 60% of students score more than 50% marks out of the maximum relevant marks.

- Attainment is measured in terms of actual percentage of students getting set percentage of marks.
- If targets are achieved then all the course outcomes are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.
- If targets are not achieved the program should put in place an action plan to attain the target in subsequent years.

Measuring CO attainment through Internal Assessments: (The examples indicated are for reference only. Program may appropriately define levels)

Target may be stated in terms of percentage of students getting more than class average marks or set by the program in each of the associated COs in the assessment instruments (midterm tests, assignments, mini projects, reports and presentations etc. as mapped with the COs)

Example

Mid-term test 1 addresses C222.1 and C222.2. Out of the maximum 20 marks for this test 12 marks are associated with C222.1 and 8 marks are associated with C222.2.

Examples related to attainment levels vs. targets:

Attainment Level 1: below 50% of students score more than 50% marks out of the maximum relevant marks.

Attainment Level 2: 50% to 60% of students score more than 50% marks out of the maximum relevant marks

Attainment Level 3: more than 60% of students score more than 50% marks out of the maximum relevant marks.

- Attainment is measured in terms of actual percentage of students getting set percentage of marks.
- If targets are achieved then the C222.1 and C222.2 are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.
- If targets are not achieved the program should put in place an action plan to attain the target in subsequent years.
- Similar targets and achievement are to be stated for the other midterm tests/internal assessment instruments.

Course Outcome Attainment:

For example:

Attainment through University Examination: Substantial i.e. 3

Attainment through Internal Assessment: Moderate i.e. 2

Assuming 80% weightage to University examination and 20% weightage to Internal assessment, the attainment calculations will be (80% of University level) + (20% of Internal level) i.e. 80% of 3 + 20% of 2 = 2.4 + 0.4 = 2.8

Note: Weightage of 80% to University exams is only an example. Programs may decide weightages appropriately for University exams and internal assessment with due justification.

S.NO	COURSE CODE	SEC	CO1	CO2	CO3	CO4	CO5	CO6	Direct Attainment	80% Direct Attainment	Indirect Attainment	20% Indirect Attainment	Overall Attainment	Target	Target Achieved (Yes/No)
1	C211	A	2.69	2.63	2.63	2.88	2.75	2.75	2.72	2.18	2.80	0.56	2.74	2.26	Yes
2	C212	A	2.83	2.92	2.92	3.00	3.00	3.00	2.94	2.35	2.80	0.56	2.91	2.34	Yes
3	C213	A	2.56	2.35	2.56	3.00	2.56	2.56	2.602	2.08	2.77	0.55	2.63	2.1	Yes
4	C214	A	2.51	2.45	2.58	2.33	2.33	2.33	2.42	1.94	2.77	0.55	2.49	2.13	Yes
5	C215	A	3.00	3.00	3.00	2.35	2.51	2.35	2.702	2.16	2.80	0.56	2.72	2.38	Yes
6	C216	A	2.58	2.69	2.63	2.81	2.83	2.88	2.74	2.19	2.77	0.55	2.75	1.4	Yes
7	C217	A	2.65	2.48	2.53	2.56	2.53	2.48	2.54	2.03	2.77	0.55	2.59	2.1	Yes
8	C218	A	2.12	2.00	2.00	1.91	2.21	2.09	2.05	1.64	2.77	0.55	2.19	2.01	Yes
9	C219	A	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.32	2.72	0.54	2.86	1.78	Yes
10	C221	A	2.88	2.88	2.88	3.00	3.00	2.75	2.9	2.32	2.687	0.54	2.86	2.4	Yes
11	C222	A	2.81	2.75	2.81	2.75	2.83	2.69	2.77	2.22	2.77	0.55	2.77	2.09	Yes
12	C223	A	2.08	2.08	2.08	2.08	2.08	2.08	2.08	1.66	2.80	0.56	2.22	1.83	Yes
13	C224	A	2.81	2.63	2.63	3.00	3.00	3.00	2.84	2.27	2.80	0.56	2.83	2.33	Yes
14	C225	A	1.13	1.19	1.13	1.38	1.38	1.25	1.24	0.99	2.80	0.56	1.55	1.49	Yes
15	C226	A	2.00	2.13	2.08	2.17	2.17	2.05	2.11	1.69	2.77	0.55	2.24	2.07	Yes
16	C227	A	2.88	2.83	2.91	2.91	2.77	2.91	2.87	2.30	2.80	0.56	2.86	2.4	Yes
17	C228	A	2.88	2.83	2.77	3.00	3.00	2.79	2.88	2.30	2.77	0.55	2.86	2.2	Yes
18	C229	A	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.40	2.74	0.55	2.95	2.03	Yes
19	C311	A	1.35	1.23	1.00	1.88	1.70	2.05	1.54	1.23	2.724	0.54	1.77	1.27	Yes
20	C311	B	2.48	2.30	2.30	2.65	2.65	2.30	2.45	1.96	2.770	0.55	2.51	1.27	Yes
21	C312	A	2.00	2.00	2.10	1.80	1.80	1.70	1.90	1.52	2.72	0.54	2.06	2.20	No
22	C312	B	2.80	2.90	2.90	2.40	2.50	2.50	2.67	2.13	2.77	0.55	2.69	2.20	Yes
23	C313	A	2.57	2.51	2.78	2.35	2.78	2.35	2.56	2.05	2.70	0.54	2.59	2.23	Yes
24	C313	B	2.00	2.16	2.22	2.43	2.22	2.00	2.17	1.74	2.74	0.55	2.29	2.23	Yes
25	C314	A	2.70	2.65	2.78	2.60	2.70	2.70	2.69	2.15	2.70	0.54	2.69	2.10	Yes
26	C314	B	3.00	2.80	2.78	2.70	2.85	2.75	2.81	2.25	2.74	0.55	2.80	2.10	Yes
27	C315	A	2.78	2.78	2.55	2.70	2.70	2.70	2.70	2.16	2.72	0.54	2.71	2.34	Yes
28	C315	B	2.63	2.70	2.40	2.85	2.90	2.85	2.72	2.18	2.77	0.55	2.73	2.34	Yes
29	C316	A	2.65	2.42	2.65	2.65	2.51	2.30	2.53	2.02	2.70	0.54	2.56	2.33	Yes
30	C316	B	3.00	3.00	3.00	2.91	2.93	2.83	2.95	2.36	2.74	0.55	2.90	2.33	Yes
31	C317	A	2.65	2.85	2.77	2.77	2.77	2.53	2.72	2.18	2.70	0.54	2.72	2.13	Yes
32	C317	B	2.89	2.91	2.89	2.89	2.89	2.89	2.89	2.31	2.74	0.55	2.86	2.13	Yes
33	C318	A	2.42	2.65	2.42	2.72	2.65	2.65	2.59	2.07	2.70	0.54	2.61	2.40	Yes
34	C318	B	3.00	2.91	3.00	2.86	3.00	3.00	2.96	2.37	2.74	0.55	2.92	2.40	Yes
35	C319	A	3.00	2.00	3.00	2.00	3.00	2.00	2.50	2.00	2.72	0.54	2.54	1.80	Yes
36	C319	B	2.00	3.00	3.00	2.00	3.00	2.00	2.50	2.00	2.72	0.54	2.54	1.80	Yes
37	C321	A	2.19	2.68	2.35	3.00	3.00	3.00	2.70	2.16	2.724	0.54	2.71	2.00	Yes
38	C321	B	3.00	2.68	3.00	3.00	3.00	3.00	2.95	2.36	2.770	0.55	2.91	2.00	Yes
39	C322	A	2.80	2.60	2.60	3.00	3.00	3.00	2.83	2.27	2.72	0.54	2.81	2.34	Yes
40	C322	B	3.00	2.80	3.00	3.00	2.90	3.00	2.95	2.36	2.77	0.55	2.91	2.34	Yes
41	C323	A	2.80	2.80	2.70	3.00	3.00	2.80	2.85	2.28	2.70	0.54	2.82	2.24	Yes
42	C323	B	2.78	2.70	2.70	2.70	3.00	3.00	2.81	2.25	2.74	0.55	2.80	2.24	Yes
43	C324	A	2.64	2.76	2.10	2.63	2.13	2.70	2.49	1.99	2.70	0.54	2.54	1.80	Yes
44	C324	B	2.58	2.52	2.10	2.48	1.95	2.48	2.35	1.88	2.74	0.55	2.43	1.80	Yes
45	C325	A	2.65	2.07	2.53	1.95	1.95	2.65	2.30	1.84	2.72	0.54	2.38	2.22	Yes
46	C325	B	3.00	2.53	2.53	1.95	1.60	2.30	2.32	1.85	2.77	0.55	2.41	2.22	Yes
47	C326	A	2.82	2.93	2.84	2.92	2.78	2.92	2.87	2.29	2.70	0.54	2.84	2.08	Yes

48	C326	B	2.78	2.80	2.75	2.59	2.89	2.84	2.78	2.22	2.74	0.55	2.77	2.08	Yes
49	C327	A	2.61	2.49	2.57	2.51	2.42	2.36	2.49	1.99	2.70	0.54	2.54	2.18	Yes
50	C327	B	2.86	2.90	2.85	2.80	2.80	2.88	2.85	2.28	2.74	0.55	2.83	2.18	Yes
51	C328	A	2.52	2.42	2.49	2.37	2.18	2.24	2.37	1.90	2.70	0.54	2.44	1.44	Yes
52	C328	B	2.72	2.80	2.70	2.60	2.60	2.76	2.70	2.16	2.74	0.55	2.71	1.44	Yes
53	C329	A	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.40	2.74	0.55	2.95	2.03	Yes
54	C329	B	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.40	2.64	0.53	2.93	2.03	Yes
55	C411	A	2.70	2.50	2.70	2.80	2.90	2.90	2.75	2.20	2.771	0.55	2.75	1.92	Yes
56	C412	A	2.90	2.90	3.00	2.80	2.80	2.70	2.85	2.28	2.77	0.55	2.83	2.45	Yes
57	C413	A	2.60	2.60	2.60	2.50	2.70	2.60	2.6	2.08	2.74	0.55	2.63	2.37	Yes
58	C414	A	2.70	2.78	2.70	2.80	2.60	2.70	2.71	2.17	2.74	0.55	2.72	2.07	Yes
59	C415	A	2.10	2.10	2.10	1.90	2.10	2.10	2.07	1.66	2.77	0.55	2.21	1.22	Yes
60	C416	A	1.78	2.00	1.35	2.00	2.33	2.33	1.96	1.57	2.74	0.55	2.12	1.79	Yes
61	C417	A	2.65	2.65	2.65	2.56	2.51	2.48	2.58	2.06	2.74	0.55	2.61	2.09	Yes
62	C418	A	3.00	2.65	3.00	2.93	2.83	3.00	2.9	2.32	2.74	0.55	2.87	2.68	Yes
63	C421	A	2.10	2.08	1.90	2.30	2.30	2.30	2.16	1.73	2.77	0.55	2.28	2.08	Yes
64	C422	A	2.57	2.84	3.00	2.78	2.78	2.68	2.77	2.22	2.77	0.55	2.77	2.56	Yes
65	C423	A	3.00	2.80	3.00	2.90	3.00	2.80	2.92	2.34	2.74	0.55	2.88	1.53	Yes
66	C424	A	2.35	2.74	2.03	2.57	2.51	2.57	2.46	1.97	2.74	0.55	2.52	1.6	Yes
67	C425	A	3.00	3.00	2.70	2.70	2.70	2.70	2.90	2.32	2.77	0.55	2.87	2	Yes
68	C426	A	3.00	3.00	2.85	2.85	2.55	2.55	2.80	2.24	2.74	0.55	2.79	2.45	Yes

3.3. Attainment of Program Outcomes and Program Specific Outcomes (50)

3.3.1. Describe assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10)

Describe the assessment tools and processes used to gather the data upon which the evaluation of each of the Program Outcomes and Program Specific Outcomes is based indicating the frequency with which these processes are carried out. Describe the assessment processes that demonstrate the degree to which the Program Outcomes and Program Specific Outcomes are attained and document the attainment levels)

Po Attainment Process:

1. **Direct Attainment tool:**

Co-Po matrix can be considered for concern subject and course attainment values can be taken from course attainment sheet. Po attainment can be computed by multiplying PO with CO Values dividing by sum of PO values as shown in the sample documents.

PO Attainment of theory course:

ADITYA COLLEGE OF ENGINEERING														
Department of Electrical and Electronics Engineering														
PO Attainment (from Course)														
CLASS		II B.TECH II-SEM EEE									**AY**		2020-21	
NAME OF THE COURSE & CODE		ELECTRICAL MACHINES-II					**NAME OF THE FACULTY**				M.SATYANARAYANA RAJU			
CO-PO MAPPING:														
Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3		2									2	3	2
CO2	1	2	3										1	2

CO3	2	2	3									2	3	1
CO4	1	2	3											3
CO5	2	3	2									2	1	2
CO6	1	2	3										1	3

CO ATTAINMENT

Course Name	Attainment
CO1	2.81
CO2	2.75
CO3	2.81
CO4	2.75
CO5	2.83
CO6	2.69

PO ATTAINMENT :

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Overall PO Attainment	2.79	2.77	2.77									2.82	2.79	2.76

PO Attainment of Laboratory course:

ADITYA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PO Attainments of Course: Electrical Circuits Laboratory

CLASS	II B.TECH I-SEM EEE										**AY**	2020-21		
NAME OF THE COURSE & CODE	ELECTRICAL CIRCUIT LAB Code: R1921028						**NAME OF THE FACULTY**				CH.MANOJ			
CO-PO MAPPING:														
Course	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
CO1	3	2	2										2	2
CO2	3	2	2										2	2
CO3	3	2	1										2	2
CO4	3	2	1										2	2
CO5	3	2	2										2	2
CO6	2	2	1										2	2

CO ATTAINMENT														
Course Name	Attainment													
CO1	**2.12**													
CO2	**2.00**													
CO3	**2.00**													
CO4	**1.91**													
CO5	**2.21**													
CO6	**2.09**													
PO ATTAINMENT :														
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
Overall PO Attainment	2.1	2.1	2.1										2.1	2.1

PO Attainment of Project:

ADITYA COLLEGE OF ENGINEERING														
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING														
PO Attainments of Project														
CLASS		IV B.TECH II-SEM EEE									**AY**		2020-21	
NAME OF THE COURSE & CODE		PROJECT					**FACULTY NAME/PROJECT COORDINATOR:**				Dr. M.Ravindra			
CO-PO MAPPING:														
Course	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
CO1	3	2	2	2	2	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	2	2	2	3	3	3	3	3	3	3
CO3	3	3	3	3	3	2	2	3	3	3	3	3	3	3
CO4	3	3	3	3	3	2	2	3	3	3	3	3	3	3
CO5	3	3	3	3	3	2	2	3	3	3	3	3	3	3

CO6	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Course Name	**Co Attainment**													
CO1	**3.00**													
CO2	**3.00**													
CO3	**2.85**													
CO4	**2.85**													
CO5	**2.55**													
CO6	**2.55**													
PO ATTAINMENT :														
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
Overall PO Attainment	2.80	2.79	2.79	2.79	2.78	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80

3.3.2. Provide results of evaluation of each PO & PSO (40)

Program shall set Program Outcome attainment levels for all POs & PSOs.

(The attainment levels by direct (student performance) and indirect (surveys) are to be presented through Program level Course – PO & PSO matrix as indicated).

PO Attainment:

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	1.50	1.48										
C112						1.43		1.34		1.33		1.33
C113	1.25	1.24										
C114	1.27	1.28	1.28	1.28	1.28	1.30						
C115	1.32	1.33			1.28							
C116										2.55		
C117	2.59		2.60		2.60	2.59		2.57	2.59	2.59		2.59
C118	2.62	2.64	2.65									
C121	1.48	1.45	1.53									
C122	1.28	1.24		1.30								
C123	1.62	1.60	1.60									
C124	1.00	1.00	1.00									
C125						1.43		1.34		1.33		1.33
C126	1.80	1.79							1.77			
C127	2.61	2.63	2.59	2.65	2.48	2.50						
C128	2.70	2.70	2.67									
C129	2.90	2.90	2.90									2.90

C211	1.50	2.50	2.50									
C212	3.00	2.90	2.90		2.90							2.90
C213	2.00	2.10		2.00								
C214	2.42	2.44	2.45	2.44								2.45
C215	2.70	2.70										2.70
C216		2.80	2.70		2.80				2.90	2.80		
C217	2.53	2.54	2.54		2.62				2.59			
C218	2.10	2.10	2.10									
C219	2.90	2.90	2.90									2.90
C221	2.90	2.90	2.90									
C222	2.79	2.77	2.77									2.82
C223	2.10	2.10	2.10				2.10					2.10
C224	2.80	2.90	2.80		3.00							
C225	1.24	1.26	1.26				1.20					1.22
C226	2.10	2.10	2.10									2.10
C227	2.90	2.90	2.90									
C228	2.50	2.00	2.25						2.50	2.25		2.00
C229						3.00		3.00		3.00		3.00
C311-A	1.50	1.50	1.60	1.90			1.90					1.70
C311-B	2.20	2.20	2.30	2.40			2.40					2.40
C312-A	2.00	2.20	2.00		1.90		1.90					
C312-B	2.70	2.80	2.80		2.70		2.70					
C313-A	2.60	2.60	2.60									
C313-B	2.20	2.20	2.20									
C314-A	2.00	2.00	2.00									
C314-B	2.80	2.80	2.80									
C315-A	2.60	2.70	2.60									
C315-B	2.70	2.70	2.70									
C316-A	2.60	2.50	2.60									
C316-B	2.90	2.90	3.00									
C317-A	2.70	2.70	2.70				2.70			2.70		2.70
C317-B	2.90	2.90	2.90				2.90			2.90		2.90
C318-A	2.60	2.60	2.60									
C318-B	2.96	2.96	2.97									
C319-A						2.46		2.42	2.5	2.4	2.44	2.50
C319-B						2.54		2.50	2.60	2.60	2.67	2.50
C321-A	2.90	2.80	2.80									2.90
C321-B	3.00	3.00	3.00									2.90
C322-A	2.90	2.80	2.80		2.70							2.70
C322-B	3.00	3.00	3.00		2.90							2.90
C323-A	2.80	2.90	2.80	2.90	2.80							
C323-B	2.80	2.90	2.80									
C324-A	2.49	2.51	2.39	2.30								
C324-B	2.36	2.38	2.27	2.23								
C325-A	2.90	2.80	2.80		2.70							2.70
C325-B	2.50	2.50	2.40	2.40					2.00			2.00

C326-A	2.90	2.90	2.90				2.90			2.90		2.90
C326-B	2.80	2.80	2.80				2.80			2.80		2.80
C327-A	1.30	2.00	3.00		1.00							2.00
C327-B	1.30	2.00	3.00		1.00							2.00
C328-A	1.30	2.00	3.00		1.00							2.00
C328-B	1.30	2.00	3.00		1.00							2.00
C329-A	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00		3.00
C329-B	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00		3.00
C411	2.70	2.80	2.70				2.80					2.80
C412	2.80	2.90	2.80									2.90
C413	2.60	2.60	2.60		2.60							
C414	2.72	2.73			2.72							
C415	2.10	2.10										
C416	1.90	2.00	2.00		2.30							
C417	2.60	2.60	2.60	2.50	2.60							
C418	2.90	2.92	2.89									2.90
C421	2.15	2.18	2.19		1.90							
C422	2.80	2.80	2.80									
C423	2.90	2.90	2.90				2.90					2.90
C424	2.80	2.80	2.80									2.80
C425	2.90	2.90	2.90	2.90	2.90				2.90	2.90	2.90	
C426	2.80	2.79	2.79	2.79	2.78	2.80	2.80	2.80	2.80	2.80	2.80	2.80

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.38	2.43	2.56	2.37	2.31	2.37	2.53	2.44	2.60	2.58	2.70	2.50
Indirect Attainment	2.75	2.76	2.76	2.72	2.76	2.74	2.74	2.75	2.74	2.76	2.74	2.76

Note: Similar table is to be prepared for PSOs

Course Code	PSO1	PSO2
C111		
C112		
C113		
C114	1.30	1.30
C115		
C116		3.00
C117	2.59	2.62
C118		
C121		
C122		1.38
C123		
C124	1.00	1.00
C125		1.43

C126		1.70
C127		
C128		2.00
C129		
C211	2.60	2.60
C212	3.00	3.00
C213	2.10	2.10
C214	2.47	
C215		
C216		
C217		
C218	2.10	2.10
C219		
C221	2.90	2.90
C222	2.79	2.76
C223	2.10	2.10
C224	2.80	2.80
C225	1.21	
C226	2.10	2.10
C227	2.90	2.90
C228	3.00	3.00
C229		
C311-A	1.60	1.60
C311-B	2.30	2.30
C312-A	2.00	1.90
C312-B	2.80	2.70
C313-A	2.60	2.60
C313-B	2.20	2.20
C314-A	2.00	
C314-B		
C315-A	2.60	2.60
C315-B	2.70	2.70
C316-A	2.50	2.50
C316-B	2.90	2.90
C317-A	2.70	2.70
C317-B	2.90	2.90
C318-A	2.60	2.60
C318-B	2.96	2.96
C319-A		
C319-B		
C321-A	2.80	2.80
C321-B	3.00	3.00
C322-A	2.90	2.90
C322-B	2.90	3.00
C323-A		2.80
C323-B	2.80	2.80

C324-A		
C324-B		
C325-A	2.90	2.90
C325-B	2.40	2.40
C326-A	2.90	2.90
C326-B	2.80	2.70
C327-A		
C327-B		
C328-A		
C328-B		
C329-A		
C329-B		
C411	2.80	2.80
C412	2.90	2.80
C413	2.60	2.60
C414	2.70	2.71
C415	2.10	
C416	2.00	2.00
C417	2.60	2.60
C418	2.90	
C421	2.16	2.23
C422	2.80	2.80
C423	3.00	2.90
C424	2.70	2.70
C425	2.90	
C426	2.80	2.80

PSO Attainment Level:

Course	PSO1	PSO2
Direct Attainment	2.53	2.50
Indirect Attainment	2.76	2.75

C111, C112 are indicative courses in the first year. Similarly, C421 is final year course.

First numeric digit indicates year of study and remaining two digits indicate course nos. in the respective year of study.

- Direct attainment level of a PO & PSO is determined by taking average across all courses addressing that PO and/or PSO. Fractional numbers may be used for example 1.55.
- Indirect attainment level of PO & PSO is determined based on the student exit surveys, employer surveys, co-curricular activities, extracurricular activities etc.

Example:

1. It is assumed that a particular PO has been mapped to four courses C211, C311, C321 and C421

2. The attainment level for each of the four courses will be as per the examples shown in 3.2.2

3. PO attainment level will be based on attainment levels of direct assessment and indirect assessment

4. For affiliated, non-autonomous colleges, it is assumed that while deciding on overall attainment level 80% weightage may be given to direct assessment and 20% weightage to indirect assessment through surveys from students(largely), employers (to some extent). Program may have different weightages with appropriate justification.

5. Assuming following actual attainment levels:

Direct Assessment

C211 –High (3)

C311 – Medium (2)

C321 – Low (1)

C421 – High (3)

Attainment level will be summation of levels divided by no. of courses 3+2+1+3/4=

9/4=2.25

Indirect Assessment

Surveys, Analysis, customized to an average value as per levels 1, 2 & 3.

Assumed level - 2

6. PO Attainment level will be 80% of direct assessment + 20% of indirect assessment i.e.

1.8 + 0.4 = 2.2.

Note: Similarly for PSOs

Criterion 4	Students' Performance	150

4. STUDENTS' PERFORMANCE (150)

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	**2021-22 (CAY)**	**2020-21 (CAY*m1)***	**2019-20 (CAY *m2)***	**2018-19 (CAY *m3*)(LYG)**	**2017-18 (CAY *m4)* (LYG*m1*)**	**2016-17 (CAY *m5)* (LYG *m2*)**	**2015-16 (CAY m6) (LYG *m3*)**
Sanctioned intake strength of the Programme (N)	**60**	**120**	**120**	**120**	**120**	**120**	**120**
Total number of students admitted in the first year minus number of s0tudents migrated to other programmes /institutions + number of students migrated to this program (N1)	**42**	**61**	**8**	**5**	**3**	**11**	**55**
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	**0**	**54**	**19**	**66**	**26**	**87**	**61**
Separate division of student if applicable (N3)	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total number of students admitted in the Programme (N1+N2+N3)	**42**	**115**	**27**	**71**	**29**	**98**	**116**

Table 4.2

Year of entry	**N1+N2+N3 (as defined above)**	**Number of students who have successfully graduated without backlogs in any semester/ year of study (without backlog means no compartment or failures in any semester/ year of study)**			
		1st year	**2nd year**	**3rd year**	**4th year**
2021-22 (CAY)	42	**9**			
2020-21 (CAY *m1)*	115	**7**	**4**		
2019-20 (CAY *m2)*	27	**2**	**4**	**2**	
2018-19 (CAY *m3)*	71	**2**	**11**	**8**	**8**
2017-18 (LYG)	29	**1**	**11**	**6**	**5**
2016-17 (LYG*m1*)	98	**4**	**26**	**17**	**17**
2015-16 (LYG*m2*)	116	**6**	**31**	**18**	**18**

Table 4.3

Year of entry	N1+N2+N3 (as defined above)	Number of students who have successfully graduated (students with backlogs in stipulated period of study)			
		1st year	2nd year	3rd year	4th year
2021-22 (CAY)	42	**40**			
2020-21 (CAY *m1)*	115	**61**	**114**		
2019-20 (CAY *m2)*	27	**8**	**25**	**25**	
2018-19 (CAY *m3)*	71	**5**	**67**	**67**	**38**
2017-18 (LYG)	29	**3**	**29**	**28**	**16**
2016-17 (LYG*m1*)	98	**11**	**91**	**88**	**42**
2015-16 (LYG*m2*)	116	**55**	**110**	**108**	**63**

4.1 Enrolment Ratio (20)

Total Marks: 20.00

Institute Marks: 14.00

Enrolment Ratio = (N1/N)*100

Item	Max Marks	2021-22 (CAY)	2020-21 (CAY *m1)*	2019-20 (CAY *m2)*
>= 90 % Students enrolled	20		115	
>= 80 % Students enrolled	18			
>= 70 % Students enrolled	16	42		
>= 60 % Students enrolled	14			
>= 50 % Students enrolled	12			
Otherwise	0			27

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2021-22 (CAY)	**60**	**42**	**70.00**
2020-21 (CAY *m1)*	**120**	**115**	**95.83**
2019-20 (CAY *m2)*	**120**	**27**	**22.5**
Average: [(ERI+ER2+ER3)/3]	**62.7**		

Average: [(ERI+ER2+ER3)/3] =(70.00+95.83+22.5)/3=62.7

Assessment: 14.00

4.2 Success Rate in the stipulated period of the program (40) Total Marks: 40.00

Institute Marks: 11.85

4.2.1 Success Rate without backlogs in any semester/year of study (25) Total Marks: 25.00

Institute Marks:4.25

Success rate without backlogs in any year of study = 25 * Average SI

SI = Mean of success index (SI) for past three batches

SUCCESS INDEX

Item	2018-19	2017-18 LYG	2016-17 LYG*m1*	2015-16 LYG *m2*
Number of students admitted in the corresponding (N1+N2+N3)	**71**	**29**	**98**	**116**
Number of students who have graduated **without backlog in** the stipulated period	**8**	**5**	**17**	**18**
Success index (SI)	**0.11**	**0.17**	**0.17**	**0.16**
Average SI =(SI1+SI2+SI3)/3	**0.11**	**0.17**		

Success rate = 25*Average SI=28*0.17=4.25

Assessment =4.25

4.2.2 Success Rate in stipulated period (25) Total Marks: 25.00

Institute Marks:7.60

Success rate without backlogs in any year of study = 15 * Average SI

SI = Mean of success index (SI) for past three batches

Item	2018-19	2017-18 LYG	2016-17 LYG*m1*	2015-16 LYG *m2*
Number of students admitted in the corresponding (N1+N2+N3)	**71**	**29**	**98**	**116**
Number of students who have graduated in the stipulated period	**38**	**16**	**42**	**63**
Success index (SI)	**0.54**	**0.55**	**0.43**	**0.54**
Average SI=(SI1+SI2+SI3)/3	**0.54**	**0.51**		

Success rate = 15* Average SI =15*0.51=7.60

Assessment =7.60

4.3. Academic Performance in Third year (15)

Total Marks: 15.00
Institute Marks:11.00

Successful students are those who are permitted to proceed to the final year

Academic performance	2018-19 CAY*m3*	2017-18 LYG	2016-17 LYGm1
Mean of CGPA or Mean percentage of all successful students (X)	**7.31**	**7.85**	**7.07**
Total number of successful students (Y)	**67**	**28**	**88**
Total number of students appeared in the examination (Z)	**67**	**28**	**91**
API= X*(Y/Z)	**7.31**	**7.85**	**6.83**
Average API = (AP1 +AP2+AP3)/3	**7.33**		

ACADEMIC PERFORMANCE = 1.5 * AVERAGE API =1.5*7.33=11

Assessment =11

4.4. Academic Performance in Second year (15)

Total Marks: 15.00
Institute Marks:10.72

Successful students are those who are permitted to proceed to the third year

Academic performance	CAYm2 (2019-20)	CAY*m3* (2018-19)	LYG (2017-18)
Mean of CGPA or Mean percentage of all successful students (X)	**6.03**	**7.67**	**7.74**
Total number of successful students (Y)	**25**	**67**	**28**
Total number of students appeared in the examination (Z)	**25**	**67**	**28**
API= X*(Y/Z)	**6.03**	**7.67**	**7.74**
Average API = (AP1 +AP2+AP3)/3	**7.15**		

ACADEMIC PERFORMANCE = 1.5 * AVERAGE API =1.5*7.15=10.72

Assessment =10.72

4.5. Placement, Higher Studies and Entrepreneurship (40)

Total Marks: 40.00
Institute Marks: 26.68

Placement and Higher Studies

Item	2018-19	2017-18 LYG	2016-17 LYGm1	2015-16 LYGm2
Total number of final year students (N)	**67**	**28**	**88**	**108**
Number of students placed in companies or Government sector (X)	**44**	**16**	**42**	**58**
Number of students admitted to higher studies with valid qualifying scores (GATE or equivalent state or National level tests, GRE, GMAT etc.) (Y)	**0**	**4**	**11**	**6**
Entrepreneur (Z)	**1**	**2**	**1**	**1**
X + Y + Z =	**45**	**22**	**54**	**65**
Placement Index =(X+Y+Z)/N	**0.67**	**0.78**	**0.61**	**0.60**
Average placement = (p1+p2+p3)/3		**0.67**		

Assessment points = 40 x average placement=40*0.67=26.68
Assessment =26.68`

Program Name : Electrical & Electronics Engg.

Academic Year: 2021-22

S.No	Student Name	Enrollment No.	Employee Name	Appointment No.
1	Ch Prakash	18MH1A0202	ATOS Global	15-11-2021
2	Tumpala Neelima	18MH1A0204	Capgemini	23-08-2021
3	U Guru Prasad	18MH1A0205	Miracle Software Systems	15-03-2022
4	A.Veerendra	19MH5A0201	WIPRO ELITE	27-09-2021
5	B.Veera Sai Datta	19MH5A0205	PUZZOLONA MACHINERY	17-02-2022
6	Bhavaraju Saisurya Prakasarao	19MH5A0208	WIPRO ELITE	27-09-2021
7	Boda Krishna Chaitanya	19MH5A0209	Infosys	05-06-2021
8	Bollapragada Abhishek	19MH5A0210	WIPRO ELITE	27-09-2021
9	Bunga Aakash	19MH5A0211	Wipro	25-09-2021
10	Chippada Surya Vamsi	19MH5A0213	ATOS Global	28-12-2021
11	Dangeti Kameswara Rao	19MH5A0215	MINDTREE	11-04-2022
12	Dendukuri Srinivas	19MH5A0216	HYOSEONG ELECTRIC	29-11-2021
13	Ganeshula Durga Surya Vamsi	19MH5A0218	Infosys	05-06-2021
14	Velaga Anil Kumar	19MH5A0219	Tech Mahindra	21-12-2021
15	Gollapalli Abhishek	19MH5A0222	Tech Mahindra	21-12-2021
16	Inagadapu Rupeswar	19MH5A0223	Avantix Technologies Advantage health group inc companies	28-12-2021
17	Kancharla Veera Venkata Ram Mohan	19MH5A0225	Bosch Global Software	16-02-2022
18	Kandukuri Nagagiri Raja Arun Pratap	19MH5A0227	Wipro	25-09-2021
19	Kankipati Ram Kumar	19MH5A0228	Miracle Software Systems	15-03-2022
20	Karagani Ajay Narayana	19MH5A0229	Mphasis	13-09-202
21	Komarthi Ganesh	19MH5A0230	Cape Electric India	09-02-2022

22	Kommana Haridatta	19MH5A0231	INNOVACX TECH LABS PVT LTD	04-03-2022
23	Kunche Nanibabu	19MH5A0233	WIPRO	25-09-2021
24	Magapu Jeevan Charan	19MH5A0235	MINDTREE	11-04-2022
25	Mani Teja Magapu	19MH5A0236	Ninja-TCS	30-08-2021
26	Sai Tarunmancharla	19MH5A0237	Capgemini	23-08-2021
27	Vanka Gangadhar	19MH5A0238	HYOSEONG ELECTRIC	29-11-2021
28	Mukka Naga Siva Mani Kumar	19MH5A0239	ZelfStudie	19-04-2022 20-04-2022
29	M.Siva Chakradhar	19MH5A0241	PUZZOLONA MACHINERY	17-02-2022
30	Nakkireddy Yaswanth Kumar	19MH5A0242	HYOSEONG ELECTRIC	29-11-2021
31	Neerukonda Naveen	19MH5A0243	Cape Electric India	09-02-2022
32	P.Shanti	19MH5A0248	ZelfStudie	19-04-2022 20-04-2022
33	Satya Sai Kumar Vasamsetti	19MH5A0249	Bosch Global Software	16-02-2022
34	Ramireddy Satya Rama Manikanta	19MH5A0250	HYOSEONG ELECTRIC	29-11-2021
35	Rangireddy Sai Durga Siva Satya Prasad	19MH5A0251	Miracle Software Systems	15-03-2022
36	Regadapushpa Kumari	19MH5A0253	Mediamint	02-12-2021
37	Sana Vijay Ramesh	19MH5A0254	HYOSEONG ELECTRIC	29-11-2021
38	Sidda Jagadeeswari	19MH5A0255	Infosys	05-06-2021
39	Singuluri Pavan Kumar	19MH5A0256	HYOSEONG ELECTRIC	29-11-2021
40	Vardhineedi Siva Durga Varaprasad	19MH5A0257	Wipro	25-09-2021
41	Sreepathi Ganga Krishna Ganesh	19MH5A0258	Wipro	25-09-2021
42	Teki Rama Krishna Akhil	19MH5A0261	ZelfStudie	19-04-2022 20-04-2022
43	Thadala Prakasaraja	19MH5A0262	HYOSEONG ELECTRIC	29-11-2021
44	Surendra Thippana	19MH5A0263	Wipro	25-09-2021

Assessment Year Name : CAYm1 (AY: 2020-21)

S.No	Student Name	Enrollment No.	Employee Name	Appointment No.
1	BoddepalliJayasree	17MH1A0201	Hitech Arai	05-04-2021
2	Bojanki Satish Kumar	18MH5A0201	Transrail	02-06-2021
3	ChinthaJahnavi Bindu	18MH5A0202	Hitech Arai	05-04-2021
4	DevagupthapuGovindaraju	18MH5A0203	Vpg Sensors	13-03-2021
5	Gokaveda Sai	18MH5A0204	Aztec	05-02-2021
6	Karri Sudheswari	18MH5A0206	Hitech Arai	05-04-2021
7	Kotari Uma Mahesh	18MH5A0207	Ronch Polymers	20-03-2021
8	Kuruvella Sri Sai Tejaswini	18MH5A0208	Hitech Arai	05-04-2021
9	Nalla Sivaji	18MH5A0209	Hyoseong Electric	17-02-2021
10	Padimi Sri Venkata Satish	18MH5A0211	Hyoseong Electric	17-02-2021
11	PeramSivaParvathi	18MH5A0213	Hitech Arai	05-04-2021
12	Sattimsetti Kavya Keerthi	18MH5A0215	Hitech Arai	05-04-2021
13	YellapuManikanta Swamy	18MH5A0219	Hyoseong Electric	17-02-2021
14	Avala Karthik	18MH5A0222	Hyoseong Electric	17-02-2021
15	Tallapudi V S C D P Prasad	18MH5A0224	Hyoseong Electric	17-02-2021
16	Thatikayala Surya	18MH5A0225	Ronch Polymers	20-03-2021

Assessment Year Name : CAYm2 (AY: 2019-20)

S.No	Student Name	Enrollment No.	Employee Name	Appointment No.
1	Nitin Sawakar Mendhe	16MH1A0208	DXC Technologies	14-03-2020
2	K.V.V.S.M.Nikhil	17MH5A0202	HYOSEONG ELECTRIC	09-07-2019
3	Allu Sivaji	17MH5A0203	HYOSEONG ELECTRIC	09-07-2019
4	Avantsa Balaji Sairam Manohar	17MH5A0204	DXC Technologies	14-03-2020
5	B Sai Venkatesh	17MH5A0205	UNITED INDUSTRIES	31-01-2020
6	Beeraka Venkatesh	17MH5A0206	MEC Solutions	16-03-2020
7	Billakurthi Rajkumar	17MH5A0207	WIPRO	18-10-2019
8	Challa Veerababu	17MH5A0210	NIFCO	30-08-2019

9	Penke Uma Devi	17MH5A0211	HI-TECH ARAI	07-09-2019
10	Dachepalli Prudhviraj	17MH5A0212	MEC Solutions	16-03-2020
11	Dadisetti Swamin	17MH5A0213	HYOSEONG ELECTRIC	09-07-2019
12	D.B.V.S.M.Raju	17MH5A0214	HYOSEONG ELECTRIC	09-07-2019
13	Davuluri Lavanya	17MH5A0215	Rising star	15-07-2019
14	Galidevara Srihari	17MH5A0216	HYOSEONG ELECTRIC	09-07-2019
15	Galla Veera Uma Shankar Venkat Rajesh	17MH5A0217	HYOSEONG ELECTRIC	09-07-2019
16	G.H.V.Krishna	17MH5A0220	HYOSEONG ELECTRIC	09-07-2019
17	Immidisetty Adithya	17MH5A0222	MEC Solutions	16-03-2020
18	Kakinada Samanthakamani	17MH5A0224	HI-TECH ARAI	07-09-2019
19	Konagalla Ravi Kiran	17MH5A0225	DXC Technologies	14-03-2020
20	Manda Bala Durga Venkata Rao	17MH5A0230	HYOSEONG ELECTRIC	09-07-2019
21	Neeli Sireesha	17MH5A0233	HI-TECH ARAI	07-09-2019
22	Pesala Teja Kumar	17MH5A0234	MEC Solutions	16-03-2020
23	Samineedi Venkatanookaraju	17MH5A0236	HYOSEONG ELECTRIC	09-07-2019
24	Shaik Sameeullah	17MH5A0238	HYOSEONG ELECTRIC	09-07-2019
25	Yandra Bala Raju	17MH5A0241	MAGIK MINDS	21-12-2019
26	Batreddi Durga Manikanta	17MH5A0243	NIFCO	30-08-2019
27	Beri Durgesh Gurusundar Reddy	17MH5A0244	MAGIK MINDS	21-12-2019
28	Chitturi Hemanth	17MH5A0246	NIFCO	30-08-2019
29	Dasara Santosh Kumar	17MH5A0247	MAGIK MINDS	21-12-2019
30	Desaneedi Supriyadevi	17MH5A0249	Rising star	15-07-2019
31	Gundabolu Nookaraju	17MH5A0256	UNITED INDUSTRIES	31-01-2020
32	Kaduluri Ganesh	17MH5A0257	TCS NQT	15-07-2019
33	Katta Ram Kiran	17MH5A0262	NIFCO	30-08-2019
34	Kesanakurthy N Veera Venkata Naveen	17MH5A0263	NIFCO	30-08-2019
35	Koppisetti Sai Satya Priya	17MH5A0264	UNITED INDUSTRIES	31-01-2020
36	Kuntella Suresh	17MH5A0266	UNITED INDUSTRIES	31-01-2020

37	Pilli Sandeep	17MH5A0270	UNITED INDUSTRIES	31-01-2020
38	Seela Venkata Ramana	17MH5A0274	UNITED INDUSTRIES	31-01-2020
39	Adabala Siva Sai Naga Suresh	17MH5A0278	Infosys	26-11-2019
40	Bonam Satya Sai Manikanta	17MH5A0280	NIFCO	30-08-2019
41	Pampana Tatasuryamanikrishnakumar	17MH5A0284	KWANGSUNG	14-12-2019
42	Pilla Durga Prasad	17MH5A0287	MEC Solutions	16-03-2020

Assessment Year Name : CAYm3 (AY: 2018-19)

S.No	Student Name	Enrollment No.	Employee Name	Appointment No.
1	Alli Venkata Sesha Saila Akhilesh	15MH1A0201	Nandee Networks	18-03-2019
2	Balusu Padma Priyanka	15MH1A0205	Surya Tech Solutions	12-02-2019
3	B.Venkata Sri Ram Sandeep	15MH1A0206	Surya Tech Solutions	12-02-2019
4	Devisetti V V Satyanarayana Ramesh	15MH1A0210	Nandee Networks	18-03-2019
5	Dhulipudi Venkat	15MH1A0211	Nandee Networks	18-03-2019
6	Gajula Challayamma Sravani	15MH1A0213	Trinity Cleantech	29-04-2019
7	Gali Tanuja	15MH1A0214	Nandee Networks	18-03-2019
8	I.Sundar Viswas	15MH1A0219	Surya Tech Solutions	12-02-2019
9	K.Jithendra Surya Teja	15MH1A0220	Surya Tech Solutions	12-02-2019
10	K.Sai Ram	15MH1A0222	Surya Tech Solutions	12-02-2019
11	Medisetti Chandra Sekhar	15MH1A0231	Trinity Cleantech	29-04-2019
12	N.Rambabu	15MH1A0234	Surya Tech Solutions	12-02-2019
13	Palakurthi Sirisha	15MH1A0239	Trinity Cleantech	29-04-2019
14	P.Vamsi Kiran	15MH1A0242	Surya Tech Solutions	12-02-2019
15	V.Aravind	15MH1A0253	Surya Tech Solutions	12-02-2019
16	Yerra Tulasi Bhaskar	15MH1A0254	TCS	04-10-2018
17	Akula Surya Prakash	16MH5A0201	Surya Tech Solutions	12-02-2019
18	Bandaru Mani Durga Ramprasad	16MH5A0204	AZTEC	17-09-2018
19	Chidam V V S Suryanarayana	16MH5A0208	Nandee Networks	18-03-2019
20	Chitturi Pooja Syamala	16MH5A0209	Surya Tech Solutions	12-02-2019

21	Donthikurthi Naga Sai Siva Shankar	16MH5A0210	IBeON Infotech	08-02-2019
22	Gadugu Siva Gangadhar	16MH5A0211	Surya Tech Solutions	12-02-2019
23	Venkata Satya Sainadh Galla	16MH5A0212	Sensa Core Medical Instrumentation	23-01-2019
24	Godi Mutyanandaswamy	16MH5A0214	Trinity Cleantech	29-04-2019
25	Gurram Vijaya	16MH5A0216	Trinity Cleantech	29-04-2019
26	G.Madhu Surya Siva Chaitanya	16MH5A0217	Surya Tech Solutions	12-02-2019
27	Kamineni B Anudeep	16MH5A0219	Aliens Group	09-01-2019
28	Kedarisetti Akhil	16MH5A0220	Trinity Cleantech	29-04-2019
29	Kola Suryarao	16MH5A0221	Nandee Networks	18-03-2019
30	K.Ganagadhar	16MH5A0222	Surya Tech Solutions	12-02-2019
31	Korapakala Durga Prasad	16MH5A0223	Nandee Networks	18-03-2019
32	K.Aditya Kumar	16MH5A0224	Surya Tech Solutions	12-02-2019
33	Kotikalapudi Manikanta	16MH5A0225	Surya Tech Solutions	12-02-2019
34	M.Sreenivas	16MH5A0226	Surya Tech Solutions	12-02-2019
35	Maddala Devika	16MH5A0227	Trinity Cleantech	29-04-2019
36	Madduri Saivenu Kumar	16MH5A0228	IBeON Infotech	08-02-2019
37	M V V Sai Prem	16MH5A0229	Sensa Core Medical Instrumentation	23-01-2019
38	Mahadasu Vijaya Lakshmi	16MH5A0230	Trinity Cleantech	29-04-2019
39	M.V.Pavan Kumar	16MH5A0231	Surya Tech Solutions	12-02-2019
40	Medisetti Swamy Subrahmanyam	16MH5A0233	IBeON Infotech	08-02-2019
41	Metuku Nandini Varmitha	16MH5A0235	Aliens Group	09-01-2019
42	Mohammad Ayesha Banu	16MH5A0236	IBeON Infotech	08-02-2019
43	N.Veera Babu	16MH5A0237	Surya Tech Solutions	12-02-2019
44	Nulu Saikiran	16MH5A0238	INFOSYS	21-12-2018
45	P.Ramesh	16MH5A0239	Surya Tech Solutions	12-02-2019
46	Palikela Ramachandramurthy	16MH5A0240	Kwang Jin India Auto systems Pvt Ltd	11-03-2019
47	Pasalapudi Naveen Kumar	16MH5A0241	Aliens Group	09-01-2019
48	Pasumarthi Veera Venkata Sai Somaraju	16MH5A0242	Trinity Cleantech	29-04-2019
49	P.Venkata Sai Mani Ravindra	16MH5A0243	Surya Tech Solutions	12-02-2019

50	P.Srinu	16MH5A0245	Surya Tech Solutions	12-02-2019
51	Pothala Chandana Sri	16MH5A0246	Nandee Networks	18-03-2019
52	Ravalsi Sai Krishna	16MH5A0247	Nandee Networks	18-03-2019
53	Sambangi Somasekhar	16MH5A0248	Sensa Core Medical Instrumentation	23-01-2019
54	Samana Manikanta	16MH5A0249	Trinity Cleantech	29-04-2019
55	Sk.Ahmoud Alisha Khadar	16MH5A0251	Surya Tech Solutions	12-02-2019
56	Siddana Ramesh	16MH5A0252	Nandee Networks	18-03-2019
57	Sorampudi Jhansi Satya Sai	16MH5A0253	IBeON Infotech	08-02-2019
58	Uppalapati Durga Rao	16MH5A0257	Trinity Cleantech	29-04-2019

4.6. Professional Activities (20)

Total Marks: 20.00

Institute Marks: 20.00

4.6.1. Professional societies/chapters and organizing engineering events (5)

Institue Marks : 5.00

(The Department shall provide relevant details)

Professional Society membership details

S.No	Name of the professional society	No of faculty memberships	No of students memberships
1	ISTE	7	75
2	IETE	14	122
3	IAENG	12	39

List of Faculty as Professional body members

S.No	Name of the faculty	Name of Professional Society as Member		
		ISTE	IETE	IAENG
1	Dr.A.RAMESH	ISTE	IETE	-
2	K.MANOZ KUMAR REDDY	ISTE	IETE	IAENG
3	Dr.M.RAVINDRA		IETE	IAENG
4	Dr.A.S S VEERENDRA BABU	ISTE	IETE	IAENG
5	D.TATA RAO	ISTE	IETE	IAENG
6	CH UMA PHANENDRA KUMAR	ISTE	IETE	IAENG

7	K.LAKSHMI	ISTE	IETE	IAENG
8	M.V.KUMAR REDDY	ISTE	IETE	IAENG
9	M.SATYANARAYANA RAJU		IETE	IAENG
10	CH.MANOJ		IETE	IAENG
11	T.HIMAJA		IETE	IAENG
12	Y.SRINIVAS		IETE	-
13	T.L.NARAYANA		IETE	IAENG
14	T.PADMAJA RANI		IETE	IAENG
Total		**7**	**14**	**12**

List of Students as Professional body members

IETE Student Members

S.No.	Roll No.	Name of the Student	IETE Member
1.	18MH1A0204	Tumpala Neelima	IETE
2.	19MH5A0201	Adapa Veerendra	IETE
3.	19MH5A0203	Bala Siva Sankara Manikanta Dora	IETE
4.	19MH5A0205	Bantu Veera Sai Datta	IETE
5.	19MH5A0206	Bassa Manikanta	IETE
6.	19MH5A0207	Batreddi Venkataswamy	IETE
7.	19MH5A0208	Bhavaraju Saisurya Prakasarao	IETE
8.	19MH5A0209	Boda Krishna Chaitanya	IETE
9.	19MH5A0210	Bollapragada S S S Abhishek	IETE
10.	19MH5A0211	Bunga Aakash	IETE
11.	19MH5A0212	Chikkala Vikash Raju	IETE
12.	19MH5A0213	Chippada Surya Vamsi	IETE
13.	19MH5A0215	Dangeti Kameswara Rao	IETE
14.	19MH5A0216	Dendukuri Srinivas	IETE
15.	19MH5A0218	Ganeshula Durga Surya Vamsi	IETE
16.	19MH5A0219	Velaga Anil Kumar	IETE
17.	19MH5A0222	Gollapalli Abhishek	IETE

18.	19MH5A0223	Inagadapu Rupeswar	IETE
19.	19MH5A0224	Jilam Hemanth Raju	IETE
20.	19MH5A0225	Kancharla Veera Venkata Ram Mohan	IETE
21.	19MH5A0226	Kanchumarthi Ramakrishna	IETE
22.	19MH5A0227	Kandukuri Naga Giriraja Arun Pratap	IETE
23.	19MH5A0229	Karagani Ajay Narayana	IETE
24.	19MH5A0230	Komarthi Ganesh	IETE
25.	19MH5A0231	Kommana Haridatta	IETE
26.	19MH5A0233	Kunche Nanibabu	IETE
27.	19MH5A0234	Maddala Shanmukh	IETE
28.	19MH5A0235	Magapu Jeevan Charan	IETE
29.	19MH5A0236	Magapu Mani Teja	IETE
30.	19MH5A0238	Vanka Gangadhar	IETE
31.	19MH5A0240	Mummidi Muttayya	IETE
32.	19MH5A0241	Mummidi Siva Chakradhar	IETE
33.	19MH5A0243	Neerukonda Naveen	IETE
34.	19MH5A0244	Nekkanti Meghanath Srinivas	IETE
35.	19MH5A0246	Palisetty Naveen	IETE
36.	19MH5A0251	Rangireddy Sai Durga Siva Satya Prasad	IETE
37.	19MH1A0201	Jakki Venkata Surya Anandkumar	IETE
38.	19MH1A0203	Kasireddy Divya Lahari	IETE
39.	19MH1A0204	Kon Kaman Ajuot Teng	IETE
40.	19MH1A0205	Kurakola Gangasunny	IETE
41.	19MH1A0208	Yerasani Rupa Satish	IETE
42.	20MH5A0201	Adabala Ganesh	IETE
43.	20MH5A0202	Amaradhi Suribabu	IETE
44.	20MH5A0203	Angara Vinay Gowd	IETE
45.	20MH5A0204	Balla Venkata Sai Suraj	IETE
46.	20MH5A0205	Cheekatla Ravibabu	IETE
47.	20MH5A0206	Chintapalli Veeravenkata Satyasaiprasad	IETE

48.	20MH5A0207	Gubbala Gayatri	IETE
49.	20MH5A0208	Gunturi Venkata Narayana Murthy	IETE
50.	20MH5A0210	Malakala Chandrasekhar	IETE
51.	20MH5A0211	Mudedla Harshavardhan	IETE
52.	20MH5A0212	Mynam Satya Sai	IETE
53.	20MH5A0213	Nakka Hemanth Kumar	IETE
54.	20MH5A0214	Pyda Sai Krishna	IETE
55.	20MH5A0215	Vegisetti Venkata Vijay	IETE
56.	20MH5A0216	Velaga Sai Chaitanya	IETE
57.	20MH5A0217	Viswanadhuni Sudheer	IETE
58.	20MH5A0219	Yarra Durgaprasad	IETE
59.	20MH1A0210	Burri Sai Durga Satya Jaya Sirisha	IETE
60.	20MH1A0212	Chintapalli Vinay Sai	IETE
61.	20MH1A0217	Ganta Sai Lakshman	IETE
62.	20MH1A0225	Illa Atchyuta Ramayya	IETE
63.	20MH1A0238	Maramreddy Aswini	IETE
64.	20MH1A0239	Moturi Krupavathi	IETE
65.	20MH1A0241	Muppidi Sri Sai Prasanna Lakshmi	IETE
66.	20MH1A0251	Peruri Lakshmi Haritha	IETE
67.	20MH1A0253	Ramireddy Mahendra	IETE
68.	20MH1A0254	Rangireddy Murali	IETE
69.	20MH1A0256	Saragadam Tulasi Kumar	IETE
70.	21MH5A0201	Amudala Gopal	IETE
71.	21MH5A0202	Anjuri Sri Harsha Vardhan	IETE
72.	21MH5A0203	Bandaru Ganesh	IETE
73.	21MH5A0204	Battu Srikanth	IETE
74.	21MH5A0205	Behara Vithesh	IETE
75.	21MH5A0206	Boddeti Narasimhulu	IETE
76.	21MH5A0207	Cheepuri Madhava Durga Rao	IETE
77.	21MH5A0208	G Naveen Kumar	IETE

78.	21MH5A0209	Gandepalli Satish	IETE
79.	21MH5A0210	Gantena Mahesh Babu	IETE
80.	21MH5A0211	Gunnam Krishna Prasad	IETE
81.	21MH5A0212	Jakkula Sandeep	IETE
82.	21MH5A0213	Janga Ramakrishna Babu	IETE
83.	21MH5A0214	Kala Prashanth	IETE
84.	21MH5A0215	Kalagala Gopi Subhash	IETE
85.	21MH5A0216	Kandala Manoj	IETE
86.	21MH5A0217	Karri Teja Venkata Lakshmi Narasimha Raju	IETE
87.	21MH5A0218	Katikam Narendra	IETE
88.	21MH5A0219	Katiki Sanjay Kumar	IETE
89.	21MH5A0220	Katta Krishna Teja	IETE
90.	21MH5A0221	Kodivendla Manoj Kumar	IETE
91.	21MH5A0222	Kollapu Ganesh	IETE
92.	21MH5A0223	Konala Rajkiran	IETE
93.	21MH5A0225	Kotikalapudi Neela Manikanta Prasannakumar	IETE
94.	21MH5A0226	Kusume Infant Raj	IETE
95.	21MH5A0227	Lolla Karthik	IETE
96.	21MH5A0228	Maddu Lakshmi	IETE
97.	21MH5A0229	Mangalagiri Kiran Paul	IETE
98.	21MH5A0230	Mayiri Navya Sri	IETE
99.	21MH5A0231	Muddana Kushal	IETE
100.	21MH5A0232	Mustina Praveen	IETE
101.	21MH5A0233	N Rajesh Kumar	IETE
102.	21MH5A0234	Palepu Nooraj	IETE
103.	21MH5A0235	Peruboina Chanakya Subash	IETE
104.	21MH5A0236	Pinakana Prasanth	IETE
105.	21MH5A0237	Seesala Revanth Kumar Satyadev	IETE
106.	21MH5A0238	Sontayana Akhila	IETE
107.	21MH5A0239	Surineni Sai Sharan	IETE

108.	21MH5A0240	Thanuku Chinnachari	IETE
109.	21MH5A0241	Thippna Veerababu	IETE
110.	21MH5A0242	Udara Pavithra Kumar	IETE
111.	21MH5A0243	Vangala Upendra	IETE
112.	21MH5A0245	Yarrakula Veerendra	IETE
113.	21MH5A0246	Yemmireddy Triveni	IETE
114.	21MH5A0247	Anumanchipalli Sri Raghu Veer	IETE
115.	21MH5A0248	Baliji Naga Durga Prasad	IETE
116.	21MH5A0249	Adapureddy Chandrasekhar	IETE
117.	21MH5A0250	Peruri Venkata Satya Veera Siva Sai Kumar	IETE
118.	21MH5A0251	Sunkara Eera Venkata Hemanth	IETE
119.	21MH5A0252	Dantuluri Sri Sai Gopla Varma	IETE
120.	21MH5A0253	Nallamilli Veera Venkata Satya Sai Ram	IETE
121.	21MH5A0254	Pathi Sudheer Kumar	IETE
122.	21MH5A0255	Karri Nagendra Babu	IETE

List of Students as Professional body members

IAENG Student Members

S.No.	Roll No.	Name of the Student	IAENG Member
1.	18MH1A0204	Tumpala Neelima	IAENG
2.	19MH5A0207	Batreddi Venkataswamy	IAENG
3.	19MH5A0212	Chikkala Vikash Raju	IAENG
4.	19MH5A0213	Chippada Surya Vamsi	IAENG
5.	19MH5A0222	Gollapalli Abhishek	IAENG
6.	19MH5A0223	Inagadapu Rupeswar	IAENG
7.	19MH5A0224	Jilam Hemanth Raju	IAENG
8.	19MH5A0225	Kancharla Veera Venkata Ram Mohan	IAENG
9.	19MH5A0226	Kanchumarthi Ramakrishna	IAENG
10.	19MH5A0230	Komarthi Ganesh	IAENG
11.	19MH5A0231	Kommana Haridatta	IAENG

12.	19MH5A0234	Maddala Shanmukh	IAENG
13.	19MH5A0236	Magapu Mani Teja	IAENG
14.	19MH5A0238	Vanka Gangadhar	IAENG
15.	19MH5A0240	Mummidi Muttayya	IAENG
16.	19MH5A0241	Mummidi Siva Chakradhar	IAENG
17.	19MH5A0244	Nekkanti Meghanath Srinivas	IAENG
18.	19MH5A0246	Palisetty Naveen	IAENG
19.	19MH5A0248	Pothu Shanti	IAENG
20.	19MH5A0249	Vasamsetti Satya Sai Kumar	IAENG
21.	19MH5A0253	Regada Pushpa Kumari	IAENG
22.	19MH5A0254	Sana Vijay Ramesh	IAENG
23.	19MH5A0255	Sidda Jagadeeswari	IAENG
24.	19MH5A0260	Swamini Veera Venkata Satyanarayana	IAENG
25.	19MH5A0261	Teki Rama Krishna Akhil	IAENG
26.	19MH5A0262	Thadala Prakasaraja	IAENG
27.	19MH5A0265	Udata Durga Kalyan	IAENG
28.	19MH1A0201	Jakki Venkata Surya Anandkumar	IAENG
29.	19MH1A0203	Kasireddy Divya Lahari	IAENG
30.	19MH1A0205	Kurakola Gangasunny	IAENG
31.	20MH5A0203	Angara Vinay Gowd	IAENG
32.	20MH5A0207	Gubbala Gayatri	IAENG
33.	20MH5A0208	Gunturi Venkata Narayana Murthy	IAENG
34.	20MH5A0212	Mynam Satya Sai	IAENG
35.	20MH5A0214	Pyda Sai Krishna	IAENG
36.	20MH5A0215	Vegisetti Venkata Vijay	IAENG
37.	20MH5A0216	Velaga Sai Chaitanya	IAENG
38.	20MH5A0218	Y.V N S Kumar Reddy	IAENG
39.	20MH5A0219	Yarra Durgaprasad	IAENG

Technical/Engineering events

Activities For 3 years – summary

AY	No of events	No of participants	Remarks In: ; S: ; N: ; I:
2021-22	2	169	Institute level
2020-21	4	184	Institute level
2019-20	4	212	Institute level
2018-19	8	351	Institute level

In – Institute level; S – state level; N- National; I – International

Academic year: 2021-22

S. No.	Date	Title of Event	Name of the coordinator/s	Resource Person Details	No.of Participants
1	23rd May,2022	A seminar on Climate Change Energy,Climate Change & I"	Dr.A.S.S.Veerendra Babu	Prof. Chetan S.Solanki Prof IIT Bombay	113
2	6th-7th May,2022	Two day Workshop on MATLAB Programming /Simulation	Mr.M.Ravindra	Dr.G.Naresh Professor Pragati Engineering College	56
Total					**169**

Academic year: 2020-21

S.No	Date	Name of the event	Name of the coordinator/s	Resource person details	No of Participants
1	17th Dec,2020	A Seminar on "Intellectual Human Values and professional ethics in technical education"	Mr.D.Tata Rao	Dr.J.Hanmanth Rao Professor,ACET,Sura mpalem.	60
2	27th Mar,2021	Seminar on Employability Skills required for students	Mr.Ch.U.P.Kumar	Sri WinnyPatro Co-Founder & CEO of Recordent	60
3	10th Feb,2021	Awareness program on Digital marketing	Mr.D.Tata Rao	Mr.Ronak Mehta CEO of Night out team pvt.ltd	42
4	15th-24th Apr,2021	Home Automation	Mr.Ch.U.P.Kumar	APSSDC Trainer:Mr.Sivaramak rishna	22
Total					**184**

Academic Year: 2019-20

S.No	Date	Name of the event	Name of the coordinator/s	Resource person details	No of Participants
1	13th-15th Nov,2019	A Three day Workshop on Engineering Exploration Project	Mr.D.Tata Rao	Mrs.N.Sumathi Associate Professor Department of EEE, UCEK, JNTUK, Kakinada	36
2	5th - 7th Dec,2019	Three day college level Boot camp on Ideation and Venture creation	Mr.Ch.U.P Kumar	Mr.K.B.STarun Kumar Intern Venture Coach APSSDC Tadepalli, Viajayawada	74
3	18th-20th Feb,2020	A three day workshop on "Generate your Business Ideas"	Mr.Ch.U.P Kumar	Mr.K.B.STarun Kumar Intern Venture Coach APSSDC.	40
4	12th Mar,2020	A Seminar on Advanced Control Systems	Mr.Ch.U.P Kumar	Dr.M.Siva Kumar Prof EEE dept Gudlavalleru Engineering College, Gudlavalleru	62
Total					**212**

Academic Year: 2018-19

S.No	Date	Name of the event	Name of the coordinator/s	Resource person details	No of Participants
1	17th -19th Sep,2018	Student Consortium For Advancement & Learning In Engineering Education (Scales)-APSSDC Training	Mr.Ch.U.P.Kumar	APSSDC Trainer:Mr.Sivaramakrishna	4
2	19th Sep, -3rd Oct, 2018	Home Appliances Lab APSSDC Training	Mr.Ch.U.P.Kumar	APSSDC Trainer:Mr.Ch.Ramesh	22
3	22nd Sep,2018	Seminar on Renewable Energy & Modern Trends in metering	Mr.D.Tata Rao	Mr.TVVDV Prasad Deputy Excutive Engineer, MRT Vigilance, Vidyut Soudha, AP TRANSCO	60
4	16th Feb, 2019.	A Seminar on " Entrepreneurship Development and Startups in India"	Mr.D.Tata Rao	T.Bogeswara Rao, Industrialist Chairman & Managing Director, TBR Group Hyderabad	150

5	18th -23rd Feb, 2019.	Home Appliances Lab APSSDC Training	Mr.Ch.U.P.Kumar	APSSDC trainer: Mr.P Hanuman Kumar	31
6	25th -27th Feb, 2019.	Amazon Web Services APSSDC Training	Mr.Ch.U.P.Kumar	APSSDC trainer: Mr.P Hanuman Kumar	6
7	27th Feb,2019	A Seminar on "Detailed Study of Converters"	Mr.D.Tata Rao	Dr.O.Chandra Sekhar HoD&Professor,EEE Dept, KL University, ,Guntur	60
8	11th -13th March, 2019.	Ar&Vr –Build Box APSSDC Training	Mr.Ch.U.P.Kumar	APSSDC trainer: Mr.N.Subbareddy	18
Total					**351**

APSSDC HOME AUTOMATION LIST 2020-21

S.No	Roll No	Name of the Event	Topic	Venue	Date
1	20MH5A0201	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
2	20MH5A0204	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
3	20MH5A0205	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
4	20MH5A0206	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
5	20MH5A0207	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
6	20MH5A0207	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
7	20MH5A0208	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
8	20MH5A0208	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
9	20MH5A0209	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
10	20MH5A0209	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
11	20MH5A0209	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
12	20MH5A0210	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
13	20MH5A0210	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
14	20MH5A0211	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
15	20MH5A0213	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
16	20MH5A0213	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
17	20MH5A0214	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
18	20MH5A0214	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
19	20MH5A0215	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
20	20MH5A0216	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
21	20MH5A0217	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021
22	20MH5A0219	APSSDC Workshop	Home Automation	ACOE	15-04-2021 to 24-04-2021

APSSDC SCALES LIST 2018-19

S.No	Roll No	Name of the Event	Topic	Venue	Date
1	17MH5A0202	APSSDC Workshop	Student Consortium For Advancement & Learning In Engineering Education (Scales)	ACOE	17-09-2018 to 19-09-2018
2	17MH5A0224	APSSDC Workshop	Student Consortium For Advancement & Learning In Engineering Education (Scales)	ACOE	17-09-2018 to 19-09-2018
3	17MH5A0231	APSSDC Workshop	Student Consortium For Advancement & Learning In Engineering Education (Scales)	ACOE	17-09-2018 to 19-09-2018
4	17MH5A0233	APSSDC Workshop	Student Consortium For Advancement & Learning In Engineering Education (Scales)	ACOE	17-09-2018 to 19-09-2018

APSSDC Home Appliances LIST 2018-19

S.No	Roll No	Name of the Event	Topic	Venue	Date
1	16MH1A0208	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
2	17MH5A0203	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
3	17MH5A0204	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
4	17MH5A0206	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
5	17MH5A0209	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
6	17MH5A0211	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
7	17MH5A0214	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
8	17MH5A0215	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
9	17MH5A0216	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
10	17MH5A0230	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
11	17MH5A0238	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
12	17MH5A0243	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
13	17MH5A0244	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
14	17MH5A0246	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
15	17MH5A0247	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018

16	17MH5A0257	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
17	17MH5A0263	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
18	17MH5A0264	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
19	17MH5A0266	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
20	17MH5A0280	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
21	17MH5A0283	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018
22	17MH5A0286	APSSDC Workshop	Home Appliances	ACOE	19-09-2018 to 03-10-2018

APSSDC AWS LIST 2018-19

S.No	Roll No	Name of the Event	Topic	Venue	Date
1	17MH5A0262	APSSDC Workshop	Amazon Web Services	ACOE	25-02-2019 to 27-02-2019
2	17MH5A0263	APSSDC Workshop	Amazon Web Services	ACOE	25-02-2019 to 27-02-2019
3	17MH5A0276	APSSDC Workshop	Amazon Web Services	ACOE	25-02-2019 to 27-02-2019
4	17MH5A0277	APSSDC Workshop	Amazon Web Services	ACOE	25-02-2019 to 27-02-2019
5	17MH5A0284	APSSDC Workshop	Amazon Web Services	ACOE	25-02-2019 to 27-02-2019
6	17MH5A0285	APSSDC Workshop	Amazon Web Services	ACOE	25-02-2019 to 27-02-2019

APSSDC GAME WITH AR & VR - BUILD BOX LIST 2018-19

S.No	Roll No	Name of the Event	Topic	Venue	Date
1	17MH5A0202	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
2	17MH5A0204	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
3	17MH5A0205	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
4	17MH5A0206	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
5	17MH5A0210	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
6	17MH5A0213	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
7	17MH5A0214	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
8	17MH5A0216	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019

9	17MH5A0217	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
10	17MH5A0220	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
11	17MH5A0222	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
12	17MH5A0224	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
13	17MH5A0230	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
14	17MH5A0233	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
15	17MH5A0240	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
16	17MH5A0249	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
17	17MH5A0264	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019
18	17MH5A0277	APSSDC Workshop	AR & VR - BUILD BOX	ACOE	11-03-2019 to 13-03-2019

APSSDC HOME APPLIANCES LIST 2018-19

S.No	Roll No	Name of the Event	Topic	Venue	Date
1	16PA1A0238	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
2	17MH1A0201	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
3	17MH1A0202	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
4	17MH1A0203	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
5	18MH5A0201	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
6	18MH5A0202	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
7	18MH5A0203	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
8	18MH5A0204	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
9	18MH5A0205	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
10	18MH5A0206	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
11	18MH5A0207	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019

12	18MH5A0208	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
13	18MH5A0209	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
14	18MH5A0210	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
15	18MH5A0211	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
16	18MH5A0212	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
17	18MH5A0213	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
18	18MH5A0214	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
19	18MH5A0215	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
20	18MH5A0216	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
21	18MH5A0217	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
22	18MH5A0218	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
23	18MH5A0219	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
24	18MH5A0220	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
25	18MH5A0221	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
26	18MH5A0222	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
27	18MH5A0223	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
28	18MH5A0224	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
29	18MH5A0225	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
30	18MH5A0226	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019
31	17MH5A0223	APSSDC Workshop	Home Appliances	ACOE	18-02-2019 to 23-02-2019

Photos of the activities:

Awareness program on Digital marketing AY: 20202-21

Students developing their ideas

Intern coach training the students

A Three day college level Boot camp on Ideation and Venture creation AY: 2019-20

Resource person delivering the speech

A Seminar on " Entrepreneurship Development and Startups in India" AY: 2018-19

A three day workshop on "Generate your Business Ideas" AY: 2019-20

4.6.2 Publications of Technical Magazines,newsletters,etc., (5) Total Marks: 5.00

InstitueMarks : 5.00

(The Department shall list the publications mentioned earlier along with the names of the editors,publishers,etc.,)

Academic Year : 2021-22

S.No	Name of the Publication	Frequency	No of faculty and students involved/editorial board	Availability of the material
1	Electrical Times Newsletter	Half-Yearly	03 & 05	Online
2	Electrique Magazine	Yearly	03 & 05	Online

Academic Year : 2020-21

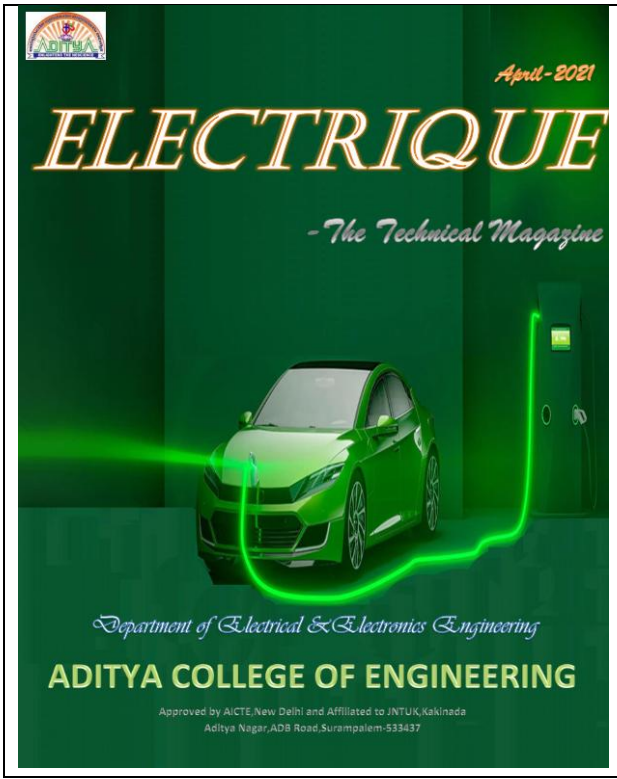
S.No	Name of the Publication	Frequency	No of faculty and students involved/editorial board	Availability of the material
1	Electrical Times Newsletter	Half-Yearly	03 & 05	Online
2	Electrique Magazine	Yearly	03 & 05	Online

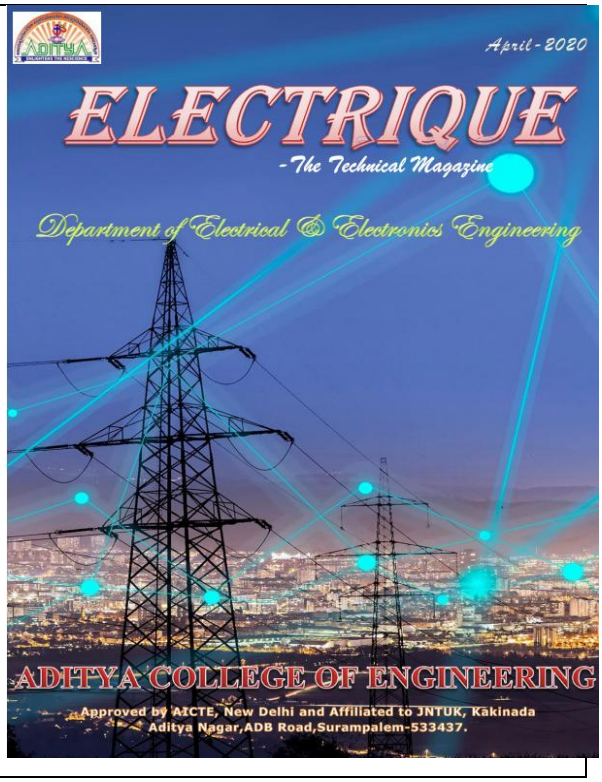
Academic Year : 2019-20

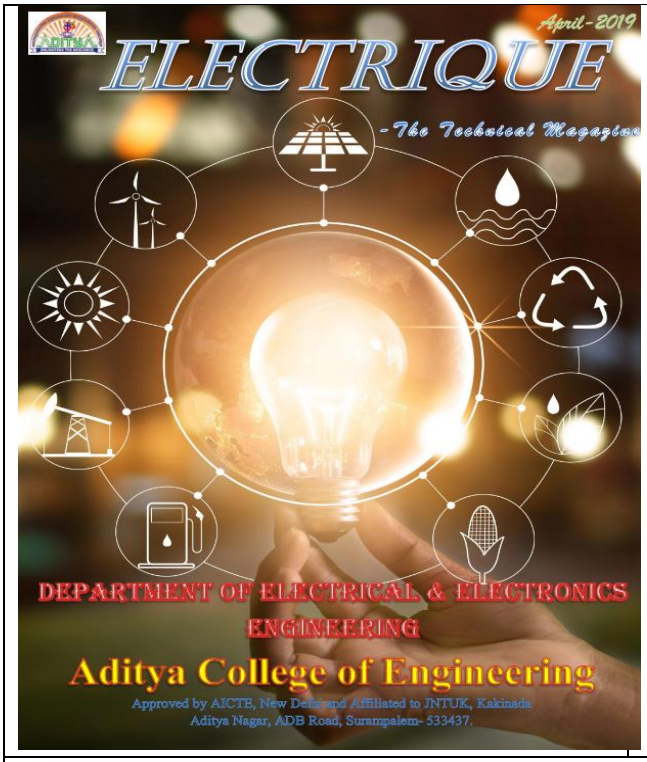
S.No	Name of the publication	Frequency	No of faculty and students involved/editorial board	Availability of the material
1	Electrical Times Newsletter	Half-Yearly	03 & 04	Online
2	Electrique Magazine	Yearly	03 & 05	Online

Academic Year : 2018-19

S.No	Name of the publication	Frequency	No of faculty and students involved/editorial board	Availability of the material
1	Electrical Times Newsletter	Half-Yearly	03 & 06	Online
2	Electrique Magazine	Yearly	03 & 06	Online







VOLUME NO 01 JUNE-DEC 21

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE,New Delhi & Affiliated to JNTUK, Kakinada.

Electrical Times Newsletter

DEPARTMENT OF EEE

MESSAGE FROM THE HOD'S DESK

To everyone who receives this newsletter, a warm greeting and best wishes are extended. I am delighted to introduce the first issue of the "Electrical Times Newsletter" for academic year 2021-2022. I encourage the students to work hard and put up their best efforts in their technical undertakings in order to achieve fruitful results. I'd would like to express my gratitude to all of my colleagues for their tireless efforts in assisting the department's continuous success. We work hard as a team to bring the department to new heights of success and glory, as well as to achieve our vision.

THE EDITORIAL TEAM

CHIEF EDITOR:

Dr.K.Manoz Kumar Reddy, HOD-EEE

FACULTY EDITOR:

Mrs.T.Himaja, Assistant Professor/EEE

Mrs.T.Padmaja Rani, Assistant Professor/EEE

EDITORIAL MEMBERS:

D.Kameswara Rao-IV EEE A

K. Ajay Narayana-IV EEE A

P. Shanthi-IV EEE B

K. Ganga Sunny-III EEE

V. Kavitha-II EEE

About the department

The Electrical and Electronics Engineering Department of Aditya College of Engineering is fully Equipped with state of art laboratories' and its faculties consists of highly experienced professors, well qualified associate professors and dynamic assistant professors with commitment to give the young minds the very best they deserve.

VISION OF THE DEPARTMENT

To be a leading department of Electrical Engineering Education and Research.

MISSION OF THE DEPARTMENT

- To produce quality engineers by providing state of the art engineering facilities.
- To impart skill based education and enhance knowledge on electric vehicles.
- To organize professional, cultural and social activities with collaborations.
- To promote training with institution and industry collaborations.

NO RESISTANCE CAN DROP OUR POTENTIAL -E.E.E

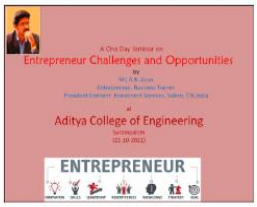
Electrical Times 1

ACTIVITIES CONDUCTED BY THE DEPARTMENT

The Department of EEE celebrated the **Engineer's Day** on 15th Sep, 2021 as a tribute to the great engineer **Mokshagundam Visvesvaraya** on 15.09.2021.

The Department of EEE celebrated the **Achievers Day** 2021 on 11.09.2021 for the 21 batch placed students.

The Department of EEE organized a one day seminar on "**Entrepreneur Challenges and Opportunities**" on 21.10.2021 Mr.A.R.Arun Kumar Entrepreneur, Business Trainer, President-Eminent Investment Services, was the resource person for the event. 60 students are participated in the seminar

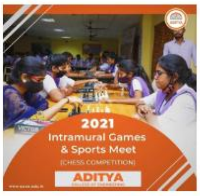


Electrical Times Newsletter 2

ACTIVITIES CONDUCTED BY THE DEPARTMENT

On the eve of Christmas College celebrated the cultural meet on 11th Dec,2021

Intramural games & sports meet 2021 are conducted in Aditya College of Engineering on 07.12.2021.



Electrical Times Newsletter 3

FACULTY ACHIEVEMENTS

International Journal/ Conference Publications

S. No.	Paper
1	**Dr.A.Ramesh, "**Optimal Capacitor Placement - A Bibliometric Survey**"**, Library Philosophy and Practice (e-journal), ISBN Number 1522-0222, June 2021.
2	**Dr.A.Ramesh, "** Thirteen and Twenty-one level Hybrid H-Bridge Multilevel Inverter Topology for Grid Connected System**"**, International Journal of Grid and Distributed Computing, ISBN Number 2005-4262, July 2021.
3	**Mrs.K.Lakshmi, "**Load Flow Solution of Distribution Systems - A Bibliometric Survey**"**, Library Philosophy and Practice (e-journal), ISBN Number 1522-0222, July 2021.
4	**Dr.M.Ravindra, "**Three metaphor less Algorithms for Economic Load Dispatch Solution**"**, Journal of Electrical Engineering &Technology (Springer), ISBN Number 19750102, October 2021.
5	**Dr.A.Ramesh, "**Circuit analysis and modelling of dual active bridge bidirectional converter**"**, Materials Today Proceedings- Journal/ Elsevier, ISBN Number 22147853, November 2021.
6	**Dr.A.Ramesh, "**Design of sliding mode controller for induction motor drive**"**, Materials Today Proceedings- Journal/ Elsevier, ISBN Number 22147853, November 2021.
7	**Dr.A.Ramesh, "**Study of different techniques to mitigate temporary overvoltage in photovoltaic system**"**, Materials Today Proceedings- Journal/ Elsevier, ISBN Number 22147853, November 2021.
8	**Dr.M.Ravindra,"** Optimal allocation of Micro Phasor Measurement Units in Distribution Network considering security Constraints " in 5th international conference on Communication, Devices & Networking, on 15th,16th Dec 2021 organized by dept of Electronics and Communication Engineering, Sikkim Manipal institute of Technology, India.

Online Courses Completed

S.No	Name of the Faculty	Name of the Course	Duration	NPTEL/Coursera
1	Mr. Y. Srinivas	Online short term training Programme on " Emerging Technologies in Electric Vehicles"	2nd to 14th August 2021	Online Short term Course held in Bapatla Engineering College

FACULTY ACHIEVEMENTS

Seminars/Workshops/FDPs Attended

S.No	Name of the faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
1	Mr.D.Tata Rao	A Two day National Level Workshop on Transformation Through NAAC Accreditation Process	College of Education & Technical Education Department.	Hyderabad	21st and 22nd June 2021
2	Mrs.K.Lakshmi	A two day workshop on Recent technologies in power systems	JNTU-University College of Engineering Vizianagaram	Vizianagaram	30&31st August 2021
3	Mrs.T.Himaja	A Two-Day Online workshop on Recent Technologies in Power System	Department of EEE, JNTUK-University College of Engineering	Vizianagaram	30&31st August 2021
4	Mr.D.Tata Rao	A Two-Day Online workshop on Recent Technologies in Power System	Department of EEE, JNTUK-University College of Engineering	Vizianagaram	30&31st August 2021
5	T. Padmaja Rani	One week workshop on Future challenges in renewable energy systems- a research perspective	Department of Electrical and Electronics Engineering Shrinu Vishnu Engineering College for Women(A)	Bhimavaram	13-19th September,2021
6	Mrs. K.Lakshmi	One week workshop on Future challenges in renewable energy systems- a research perspective	Department of Electrical and Electronics Engineering Shrinu Vishnu Engineering College for Women(A)	Bhimavaram, E.G Dist.	13-19th September,2021
7	Mr.M.Satyanarayana Raju	One week workshop on Future challenges in renewable energy systems- a research perspective	Department of Electrical and Electronics Engineering Shrinu Vishnu Engineering College for Women(A)	Bhimavaram, E.G Dist.	13-19th September,2021
8	Mr.D.Tata Rao	One week workshop on Future challenges in renewable energy systems- a research perspective	Department of Electrical and Electronics Engineering Shrinu Vishnu Engineering College for Women(A)	Bhimavaram, E.G Dist.	13-19th September,2021
9	Dr.M.Ravindra	A Seminar on "Entrepreneur Challenges and Opportunities"	Aditya College of Engineering	Surampalem	21-10-2021
10	Mr.D.Tata Rao	A Seminar on "Entrepreneur Challenges and Opportunities"	Aditya College of Engineering	Surampalem	21-10-2021
11	Mr.M.Satyanarayana Raju	A Two day National workshop on "Managing Cyber Security in the New Normal:	Department of Computer Science and Engineering for IOT and Advanced Computing, Tagore University	Bhopal	22-10-2021 & 23-10-21

FACULTY ACHIEVEMENTS

Seminars/Workshops/FDPs Attended

S.No	Name of the faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
8	Mr.M.Satyanarayana Raju	A Two day workshop on IQ-P-PLC	CVR College of Engineering	Hyderabad	28-10-2021 to 29-10-2021
9	Mrs.K.Lakshmi	A one day workshop on Changing Global Perspective on Investments-Careers, Financial Statements and Sustainability	Govindrao Wanjari College of Engineering& Technology	Nagpur	06-12-2021

List of Patents

S.No	Name of the faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
1	Mr.Ch.UP Kumar	IOT Based Automated Green Energy Management of Public Gardens	Electrical & Agricultural	Granted on 2nd Nov 2021	Australian Government IP Australia

Mr.M.V.Kumar Reddy received Best Library Users Award for the academic year 2019-20 on the occasion of 54th National Library Week Celebrations(14th -20th November-2021)

STUDENT ACHIEVMENTS

S.No	Name of the student	Name of the Event	Topic	Venue	Date	Award/ Reward
1	D.Kameshwara rao	Digital Veda 2k21	Paper Presentation on "Iris Recognition"	Aditya college of engineering & Technology	15-09-2021	First Prize
2	M.Tarun	Digital Veda 2k21	Poster Presentation "Green Buildings"	Aditya college of engineering & Technology	15-09-2021	First Prize

TOPPERS in the IIIrd Year-II Sem Results

8.57 (1st Place)
18MH1A0204
TUMPALA NEELIMA

8.43 (2nd Place)
19MH5A0231
KOMMANA HARIDATTA

TOPPERS in the IInd Year-II Sem Results

7.29 (1st Place)
20MH5A0213
NAKKA HEMANTH KUMAR

6.64 (2nd Place)
20MH5A0210
MALAKALA CHANDRASEKHAR

PLACEMENT RECORD

Placement Summary (as on 31.12.2021)

S.No	Name of the Student	Name of the selected company	Package
1	Tumpala Neelima	Capgemini	7 LPA
2	Mancharla Saitarun	Capgemini	4 LPA
3	Kancharla Veera Venkata Ram Mohan	Tcs	3.36 LPA
4	Kandukuri Naga Giriraja Arun Pratap	Tcs	3.36 LPA
5	Magapu Mani Teja	Tcs	3.36 LPA
6	Tumpala Neelima	Mphasis	4 LPA
7	Kancharla Veera Venkata Ram Mohan	Mphasis	4 LPA
8	Karagani Ajay Narayana	Mphasis	4 LPA
9	Bunga Aakash	Wipro	3.75 LPA
10	Kandukuri Naga Giriraja Arun Pratap	Wipro	3.75 LPA
11	Sreepathi Ganga Krishna Ganesh	Wipro	3.75 LPA
12	Thippana Surendra	Wipro	3.75 LPA
13	Sidda Jagadeeswari	Quest	3.0 LPA
14	Ch Prakash	Atos	3.1 LPA
15	Chippada Surya Vamsi	Atos	3.1 LPA
16	Bhavaraju Saisurya Prakasarao	Hyoseong Electric	1.86 LPA
17	Boda Krishna Chaitanya	Hyoseong Electric	1.86 LPA
18	Dendukuri Srinivas	Hyoseong Electric	1.86 LPA
19	Komarthi Ganesh	Hyoseong Electric	1.86 LPA
20	Mancharla Saitarun	Hyoseong Electric	1.86 LPA
21	Vanka Gangadhar	Hyoseong Electric	1.86 LPA
22	Mukka Naga Siva Mani Kumar	Hyoseong Electric	1.86 LPA
23	Nakkireddy Yaswanth Kumar	Hyoseong Electric	1.86 LPA
24	Neerukonda Naveen	Hyoseong Electric	1.86 LPA
25	Ramireddy Satya Rama Manikanta	Hyoseong Electric	1.86 LPA
26	Rangireddy Sai Durga Siva Satya Prasad	Hyoseong Electric	1.86 LPA
27	Sana Vijay Ramesh	Hyoseong Electric	1.86 LPA
28	Singuluri Pavan Kumar	Hyoseong Electric	1.86 LPA
29	Thadala Prakasaraja	Hyoseong Electric	1.86 LPA
30	Regada Pushpa Kumari	Media Mint	3.10 LPA
31	Inagadapu Rupeswar	Avantix Technologies	4.65 LPA

Congratulations!

Electrical Times Newsletter 8

4.6.3 Participation in Inter-Institute Events by Students of the program of Study (10)

(The Department shall provide a table indicating publications,which received awards in the events conference organized by other institutes.)

Total Marks: 10.00

Institute Marks: 10.00

Activities attended for 3 years – summary

AY	No of Events	No of Participants	No of Prize Won/Award/Reward	Level (In: ;Uni: ; S: ; N:)
2021-22	4	20	6	National level
2020-21	5	15	6	National level
2019-20	4	16	7	National level
2018-19	3	16	6	National level

List of Events for Paper and Poster Presentation

AY: 2021-22			
S.No	**Date**	**Name of the Event**	**Venue**
1.	10-12-2021 to 11-12-2021	ANVESHANA Techno-Cultural Fest-2K21	Sasi Institute of Technology & Engineering, Tadepalligudem
2.	16-10-2021 to 17-10-2021	TECHNOSCET-2K21, Techincal Symposium	Swarnandhra College of Engg. &Tech.,(A), Narsapur,A.P.
3.	17-09-2021 to 18-09-2021	MEDHA Tech Fest-2K21	Godavari Institute of Engineering &Technology,Rajahmundry
4.	14-09-2021 to 15-09-2021	VEDA ELECTRENZ-2K21	Aditya Engineering college(A) Surampalem

AY: 2020-21			
S.No	**Date**	**Name of the Event**	**Venue**
1.	18-02-2021 to 19-02-2021	Digital IDEAL TECHNICAL Fest-2K20	IDEAL Institute of Tech., Kakinada
2.	10-12-2020 to 11-12-2020	Digital ANVESHANA Techno-Cultural Fest-2K20	Sasi Institute of Technology & Engineering, Tadepalligudem
3.	15-10-2020 to 16-10-2020	Digital TECHNOSCET-2K20, Techincal Symposium	Swarnandhra College of Engg. &Tech.,(A), Narsapur,A.P.
4.	17-09-2020 to 18-09-2020	Digital MEDHA Tech Fest-2K20	Godavari Institute of Engineering &Technology,Rajahmundry
5.	14-09-2020 to 15-09-2020	Digital Veda-2K20	Aditya College of Engineering & Technology, Surampalem

AY: 2019-20			
S.No	**Date**	**Name of the Event**	**Venue**
1.	10-12-2019 to 11-12-2019	ANVESHANA Techno-Cultural Fest-2K19	Sasi Institute of Technology & Engineering, Tadepalligudem
2.	13-09-2019 to 14-09-2019	MEDHA Tech Fest-2K19	Godavari Institute of Engineering &Technology,Rajahmundry
3.	13-09-2019 to 14-09-2019	Digital Veda-2K19	Aditya Collegeof Engineering& Technology, Surampalem
4.	06-09-2019	ADIVIKA 2K19	AdikaviNannaya University Rajahmundry

AY: 2018-19			
S.No	**Date**	**Name of the Event**	**Venue**
1.	10-12-2018 to 11-12-2018	ANVESHANA Techno-Cultural Fest-2K18	Sasi Institute of Technology & Engineering, Tadepalligudem
2.	28-09-2018 to 29-09-2018	MEDHA Tech Fest-2K18	Godavari Institute of Engineering &Technology,Rajahmundry
3.	14-09-2018	VEDA ELECTRENZ-2K18	Aditya Engineering College, Surampalem

2021-22 – Prize winner

S.No	Name of the students	Name of the event	Topic	Venue	Date	Award/ Reward
1.	D.Kameswara Rao	ANVESHANA Techno-Cultural Fest-2K21	Paper Presentation on “Enhancement of Electric Vehicles over Commercial vehicles”	Sasi Institute of Technology & Engineering, Tadepalligudem	11-12-2021	First Prize
2.	V.Anil Kumar					
3.	G Gayatri	VEDA ELECTRENZ -2K21	Poster Presentation “Changes in usage of Renewable Energy Sources”	Aditya Engineering college(A) Surampalem	15-09-2021	Second Prize
4.	K.Gangasunny					
5.	V.S.D.Varaprasad	TECHNOSCET-2K21, Techincal Symposium	Paper Presentation on “Battery usage in Electrical Vehicles”	Swarnandhra College of Engg. &Tech.,(A), Narsapur,A.P.	17-10-2021	Third Prize
6.	Thippana Surendra					

2020-21 – Prize winner

S.No	Name of the students	Name of the event	Topic	Venue	Date	Award/ Reward
1.	D.Kameswara Rao	Digital VEDA 2K20	Paper Presentation on “Iris Recognition”	Aditya College of Engineering& Technology, Surampalem	15-09-2021	First Prize
2	V.Anil Kumar					
3	M.Tarun	Digital VEDA 2K20	Paper Presentation on “Medical Mirror”	Aditya Collegeof Engineering& Technology, Surampalem	15-09-2021	First Prize
4	K.Haridatta					
5	N.Naveen	Digital VEDA 2K20	Poster Presentation “Green Buildings”	Aditya Collegeof Engineering& Technology, Surampalem	15-09-2021	Second Prize
6	P.Suresh					

2019-20 – Prize winner

S.No	Name of the students	Name of the event	Topic	Venue	Date	Award/ Reward
1	M.Veerendra	ADIVIKA 2K19	Paper Presentation on “Fly Ash Utilization”	AdikaviNannaya University Rajahmundry	06-09-2019	First
2	M.Veerendra	MEDHA Tech Fest-2K19	Paper Presentation on “Power Generation Through Thermoelectric Generators”	Godavari Institute of Engineering &Technology,Rajahmundry	13-09-2019	First
3	K.V.V.S.M.Nikhil					
4	R. Pushpa Kumari	VEDA 2K19	Poster Presentation on “Contactless Energy Transfer Systems”	Aditya Collegeof Engineering& Technology, Surampalem	13-09-2019	First
5	S.Jagadeeswari					
6	G. Sai	VEDA 2K19	Technical Paper Presentation On “Energy Saving Motors”	Aditya Collegeof Engineering& Technology, Surampalem	13-09-2019	First
7	D. Srinivas					

2018-19 – Prize winner

S.No	Name of the students	Name of the event	Topic	Venue	Date	Award/Reward
1	M.Veerendra	MEDHA Tech Fest-2K18	Paper presentation On "Automatic Drip Irrigation For Organic Cultivation"	GIET ,Rajahmundry	28-09-2018	First
2	M.Veerendra	VEDA ELECTRENDZ-2K18	Paper presentation On "Automatic Drip Irrigation System Using Earth Sensor"	Aditya Engineering College, Surampalem	14-09-2018	First

3	K.Samanthakamani	VEDA ELECTRENDZ-2K18	Poster Presentation on "Automatic Drip Irrigation for Organic Cultivation by using Timers & Earth Sensors	Aditya Engineering College, Surampalem	14-09-2018	First
4	M.Veerendra					
5	N.Sireesha	VEDA ELECTRENDZ-2K18	Poster presentation on "MAGLER TRAINS"	Aditya Engineering College, Surampalem	14-09-2018	Third
6	Shaik Anju					

Participated list

2021-22 – Participated

S.No	Name of the student	Name of the event	Topic	Venue	Date
1.	G.Venkata Narayana Murthy	ANVESHANA Techno-Cultural Fest-2K21	Paper Presentation on "Plastic Solar cell technology"	Sasi Institute of Technology & Engineering, Tadepalligudem	10-12-2021
2.	A.VinayGowd				
3.	R.Pushpa Kumari	ANVESHANA Techno-Cultural Fest-2K21	Paper Presentation on "E-Bomb"	Sasi Institute of Technology & Engineering, Tadepalligudem	10-12-2021
4.	T.Surendra				
5.	P.Shanti	TECHNOSCET-2K21, Techincal Symposium	Paper Presentation on "Super Charger"	Swarnandhra College of Engg. &Tech.,(A), Narsapur,A.P.	16-10-2021
6.	V.Gangadhar				
7.	R.S.R.Manikanta	TECHNOSCET-2K21, Techincal Symposium	Poster Presentation on " Smart Solar Inverter"	Swarnandhra College of Engg. &Tech.,(A), Narsapur,A.P.	16-10-2021
8.	B.Sai Deepak				
9.	T.Surendra	MEDHA Tech Fest-2K21	Paper Presentation on "Different mode sources of Electric Power"	Godavari Institute of Engineering &Technology,Rajahmundry	17-09-2021
10.	M.Saitarun				
11.	S.Jagadeeswari	MEDHA Tech Fest2K21	Paper Presentation on "Fuzzy Logic controller on Electric Vehicles"	Godavari Institute of Engineering &Technology,Rajahmundry	17-09-2021
12.	G. Abhishek				
13.	B. Krishna Chaitanya	VEDA ELECTRENZ-2K21	Poster Presentation on "Role of Electric Vehicles in Present Generation"	Aditya Engineering college(A) Surampalem	14-09-2021
14.	K.Ganesh				
15.	T.Neelima	VEDA ELECTRENZ-2K21	Paper Presentation on "Electric Vehicles over commercial Vehicles"	Aditya Engineering college(A) Surampalem	14-09-2021
16.	P.Shanti				
17.	KasireddyDivyaLahari	VEDA ELECTRENZ-2K21	Paper Presentation on "Nuclear Power station"	Aditya Engineering college(A)	14-09-2021
18.	Yerasani Rupa Satish				
19.	MancharlaSaitarun	VEDA ELECTRENZ-2K21	Paper Presentation on "Electrical usage in Weldings and Heatings"	Aditya Engineering college(A)	14-09-2021
20.	Udata Durga Kalyan				

2020-21 – Participated

S.No	Name of the student	Name of the event	Topic	Venue	Date
1.	G.Venkata Narayana Murthy	Digital IDEAL TECHNICAL Fest-2K20	Paper Presentation on "Plastic Solar cell technology"	IDEAL Institute of Tech., Kakinada	18-02-2021
2.	A.VinayGowd				
3	R.Pushpa Kumari	Digital IDEAL TECHNICAL Fest-2K20	Paper Presentation on "E-Bomb"	IDEAL Institute of Tech., Kakinada	18-02-2021
4.	T.Surendra				
5.	P.Shanti	Digital ANVESHANA Techno-Cultural Fest-2K20	Paper Presentation on "Super Charger"	Sasi Institute of Technology & Engineering, Tadepalligudem	10-12-2020
6.	V.Gangadhar				
7.	R.S.R.Manikanta	Digital ANVESHANA Techno-Cultural Fest-2K20	Poster Presentation on " Smart Solar Inverter"	Sasi Institute of Technology & Engineering, Tadepalligudem	10-12-2020
8.	B.Sai Deepak				
9.	T.Surendra	Digital TECHNOSCET-2K20, Techincal Symposium	Paper Presentation on "Different mode sources of Electric Power"	Swarnandhra College of Engg. &Tech.,(A), Narsapur,A.P.	15-10-2020
10.	M.Saitarun				
11.	S.Jagadeeswari	Digital MEDHA Tech Fest-2K20	Paper Presentation on "Fuzzy Logic controller on Electric Vehicles"	Godavari Institute of Engineering &Technology,Rajahmundry	17-09-2020
12.	G. Abhishek				
13.	B. Krishna Chaitanya	Digital Veda 2K20	Poster Presentation on "Role of Electric Vehicles in Present Generation"	Aditya College of Engineering & Technology, Surampalem	14-09-2020
14.	K.Ganesh				
15.	T.Neelima	Digital Veda 2K20	Paper Presentation on "Enhancement of Power factor method in Lagging circuits"	Aditya College of Engineering & Technology, Surampalem	14-09-2020

2019-20 – Participated

S.No	Name of the students	Name of the event	Topic	Venue	Date
1	D.Kameswara Rao	ANVESHANA Techno-Cultural Fest-2K19	Paper Presentation on "Bubble Power"	Sasi Institute of Technology & Engineering, Tadepalligudem	10-12-2019
2	D.Srinivas				
3	K.Harish	ANVESHANA Techno-Cultural Fest-2K19	Poster Presentation on " Micro Electric Urban Vehicle"	Sasi Institute of Technology & Engineering, Tadepalligudem	10-12-2019
4	A. Karthik				
5	V. Joseph Kranthi	MEDHA Tech Fest-2K19	Poster Presentation on " Wireless charging Vs Wired Charging of Electronic Devices"	Godavari Institute of Engineering &Technology,Rajahmundry	13-09-2019
6	R.V.Ganesh				

7	V.Sharon	MEDHA Tech Fest-2K19	Technical Paper Presentation On “Self-Powered Door Bell Watcher”	Godavari Institute of Engineering &Technology,Rajahmundry	13-09-2019
8	K.Sudheswari				
9	P.Suresh	VEDA 2K19	Technical Paper Presentation On “Paper Battery”	Aditya Collegeof Engineering& Technology, Surampalem	13-09-2019
10	R.Manikanta				
11	S. Vijay Ramesh	VEDA 2K19	Poster Presentation On “Global Warming”	Aditya Collegeof Engineering& Technology, Surampalem	13-09-2019
12	T.Surendra				
13	T.Neelima	VEDA 2K19	Poster Presentation On “Smart Materials”	Aditya Collegeof Engineering& Technology, Surampalem	13-09-2019
14	K. Ajay Narayana				
15	P.Suneetha	ADIVIKA 2K19	Poster Presentation On “Plastic Chips”	AdikaviNannaya University Rajahmundry	06-09-2019
16	Y.Ramalakshmi				

2018-19 – Participated

S.No	Name of the students	Name of the event	Topic	Venue	Date
1	P.Umadevi	ANVESHANA Techno-Cultural Fest-2K18	Paper presentation on “Touch Switch Circuit”	Sasi Institute of Technology & Engineering, Tadepalligudem	10-12-2018
2	D.Lavanya				
3	G.Srihari	MEDHA Tech Fest-2K18	Paper presentation on “Plant Watering Watcher”	Godavari Institute of Engineering &Technology,Rajahmundry	28-09-2018
4	K.Ravi Kiran				
5	K.Ganesh	MEDHA Tech Fest-2K18	Paper presentation on “Energy Leak detector”	Godavari Institute of Engineering &Technology,Rajahmundry	28-09-2018
6	D.Santosh Kumar				
7	Y.Sai Jagadeesh	MEDHA Tech Fest-2K18	Paper presentation on “Bio Battery”	Godavari Institute of Engineering &Technology,Rajahmundry	28-09-2018
8	T. Veeramohan				
9	Y.RamaLakshmi	MEDHA Tech Fest-2K18	Paper presentation on “Solar Mobile Charger”	Godavari Institute of Engineering &Technology,Rajahmundry	28-09-2018
10	Karri Sudheswari				
11	Y.Manikanta Swamy	MEDHA Tech Fest-2K18	Poster presentation on “Power Generation Using Micro Turbine”	Godavari Institute of Engineering &Technology,Rajahmundry	28-09-2018
12	P.Sri Venkata Satish				

13	G.Sai	VEDA ELECTRENDZ -2K18	Poster presentation on "Green Energy"	Aditya Engineering College, Surampalem	14-09-2018
14	B.Satish Kumar				
15	C. Jahnavi Bindu	VEDA ELECTRENDZ -2K18	Poster presentation on "LPG leakage detector"	Aditya Engineering College, Surampalem	14-09-2018
16	B.JayaSree				

2. Other Co-curricular activities

Activities attended for 3 years – summary

AY	No of events	No of participants	No of prize won/award/reward	Level
2021-22	3	18	2	National level
2020-21	6	16	3	National level
2019-20	4	13	5	National level
2018-19	6	21	16+02 Shortlisted	National level

List of Events for Other Co-curricular activities

AY: 2021-22			
S.No	**Date**	**Name of the Event**	**Venue**
1.	17-09-2021 to 18-09-2021	MEDHA Tech Fest - 2021	GIET Engineering college(A), Rajamahendravaram
2.	14-09-2021 to 15-09-2021	ELECTRENDZ-2K21	Aditya Engineering college(A) Surampalem
3.	06-09-2021	ADIVIKA 2K21	AdikaviNannaya University, Rajahmundry

AY: 2020-21			
S.No	**Date**	**Name of the Event**	**Venue**
1.	21-09-2020	Sparkle Minds	JNTUK,Vizianagaram
2.	17-09-2020 to 18-09-2020	Digital MEDHA-2K20	Godavari Institute of Engineering &Technology,Rajahmundry
3.	14-09-2020 to 15-09-2020	Digital VEDA -2K20	Aditya College of Engineering & Technology, Surampalem
4.	16-07-2020	National Level E-Quiz on Applied Chemistry	Usha Rama College of Engineering &Technology,Telaprolu,Gannavaram
5.	05-09-2020	ADIVIKA 2K20	AdikaviNannaya University Rajahmundry
6.	10-06-2020	VIBA Tech Fest-2K20	Vaagdevi College of Engineering,Proddatur

AY: 2019-20			
S.No	**Date**	**Name of the Event**	**Venue**
1.	22-05-2020	Online MATLAB Technical Quiz	Pace Institute of Technology and Science,Ongole
2.	01-10-2019	EFFI-CYCLE-2019	Lovely Professional University,Punjab
3.	13-09-2019 to 14-09-2019	VEDA-2K19	Aditya Collegeof Engineering& Technology, Surampalem
4.	06-09-2019	ADIVIKA-2K19	AdikaviNannaya University Rajahmundry

AY: 2018-19			
S.No	**Date**	**Name of the Event**	**Venue**
1.	23-01-2019 to 27-01-2019	BAJA SAEINDIA-2019	SAEINDIA,Pithampur,Madhya Pradesh.
2.	20-01-2019	AICTE-ECI-ISTE ChhatraViswakarma Awards-2018 (National Convention)	AICTE Head Office,New Delhi
3.	28-09-2018 to 29-09-2018	MEDHA Tech Fest-2K18	Godavari Institute of Engineering &Technology,Rajahmundry
4.	14-09-2018	ELECTRENZ-2K18	Aditya Engineering College, Surampalem
5.	08-09-2018	ADIVIKA 2K18	AdikaviNannaya University Rajahmundry
6.	13-07-2018 to 14-07-2018	BAJA SAEINDIA-2019	SAEINDIA,ChitkaraUniversity, Punjab

2021-22- Prize Winner

S.No	**Name of the students**	**Name of the event**	**Topic**	**Venue**	**Date**	**Award/ Reward**
1	Mancharla Saitarun	ADIVIKA 2K21	Electrical Quiz	Adikavi Nannaya University, Rajahmundry	06-09-2021	First
2	V.S.D.Varaprasad	ELECTRENZ-2K21	Electrical Quiz	Aditya Engineering college(A) Surampalem	14-09-2021	First
3	Thippana Surendra					

2020-21 – Prize winner

S.No	Name of the students	Name of the event	Topic	Venue	Date	Award/Reward
1	G,Sai	Digital ADIVIKA 2K20	Project Expo on "Drip irrigation system"	AdikaviNannaya University, Rajahmundry	05-09-2020	First
2	B.Jaya Sree	Digital VEDA-2K20	Just a minute	Aditya College of Engineering & Technology, Surampalem	14-09-2020	First
3	V.Sharon					

2019-20 – Prize winner

S.No	Name of the students	Name of the event	Topic	Venue	Date	Award/ Reward
1	M.Veerendra	ADIVIKA 2K19	Tek-Talk	AdikaviNannaya University, Rajahmundry	06-09-2019	First
2	D.Santosh Kumar	VEDA-2K19	Electric Cross Word	Aditya College of Engineering & Technology, Surampalem	13-09-2019	First
3	G.Hemanth Vamsi Krishna					
4	GodeAkouba Marie Angele	VEDA-2K19	Project Expo	Aditya College of Engineering & Technology, Surampalem	13-09-2019	Second
5	Okoro Chukwu Ebuka Cornelius					

2018-19 – Prize winner

S.No	Name of the students	Name of the event	Topic	Venue	Date	Award/ Reward
1.	A. Surya Prakash	ELECTRENZ 2K18	Technical Treasure Hunt	Aditya Engineering College, Surampalem	14-09-2018	First
2.	Ch. V V S Surya Narayana					
3.	Ch V V S Surya Narayana	ELECTRENZ 2K18	Build If You Can	Aditya Engineering College, Surampalem	14-09-2018	First
4.	A. Surya Prakash					
5.	M.Devika	ELECTRENZ 2K18	Tech Rangoli	Aditya Engineering College, Surampalem	14-09-2018	Second
6.	S.Jhansi Satya Sai					

7.	P.ChandanaSree	ELECTRENZ 2K18	Tech Rangoli	Aditya Engineering College, Surampalem	14-09-2018	First
8.	K.Samanthakamani					
9	G.V.Laxmana Sastry	ELECTRENZ 2K18	Circuit Debugging	Aditya Engineering College, Surampalem	14-09-2018	First
10	Boddepalli Jaya Sree	ELECTRENZ 2K18	Just A Minute Session	Aditya Engineering College, Surampalem	14-09-2018	First
11	K. V. V. Sai Manikanta Nikhil	ELECTRENZ 2K18	Electrical Quiz	Aditya Engineering College, Surampalem	14-09-2018	First
12	Ch.Veerababu					
13	D. B. V. S.Mallikarjuna Raju					
14	D.Santhosh Kumar	ELECTRENZ 2K18	Electrical Quiz	Aditya Engineering College, Surampalem	14-09-2018	Second
15	B.DurgaManikanta					
16	Guthula Hemanth Vamsi Krishna					
17	Akula Surya Prakash	AICTE-ECI-ISTE ChhatraViswakarma Awards-2018 (National Convention)	Empowerment of Villages Through Technologies Project : Ration Distribution System	AICTE Head Office,New Delhi	20-01-2019 & 21-01-2019	Shortlisted in AICTE region level and Participated in National Level
18	M.Vijay Pavan Kumar					

2021-22 – Participated

S.No	Name of the student	Name of the event	Topic	Venue	Date
1.	B K Chaitanya	MEDHA Tech Fest - 2021	Project expo	GIET Engineering college(A), Rajamahendravaram	17-09-2021
2.	B A S SS Abhishek				
3.	T.Neelima	MEDHA Tech Fest - 2021	Tech Rangoli	GIET Engineering college(A), Rajamahendravaram	17-09-2021
4.	P.Shanti				
5.	D. Kameswara Rao	MEDHA Tech Fest - 2021	Treasure Hunt	GIET Engineering college(A), Rajamahendravaram	17-09-2021
6.	K.V.V.Ram Mohan				

7.	K. Ganga Sunny	ELECTRENDZ-2K21	Quiz	Aditya Engineering college(A)	14-09-2021
8.	A.Ganesh				
9.	K.N.G. Arun Pratap	ELECTRENDZ-2K21	Just a minute	Aditya Engineering college(A)	14-09-2021
10.	T.Surendra				
11.	M.Saitarun	ELECTRENDZ-2K21	Electric Cross Word	Aditya Engineering college(A)	14-09-2021
12.	S.Jagadeeswari				
13.	G. Abhishek	ELECTRENDZ-2K21	Circuit Debugging	Aditya Engineering college(A)	14-09-2021
14.	B. Krishna Chaitanya				
15.	Ch.Ravibabu	ADIVIKA-2K21	Circuit Debugging	AdikaviNannaya University, Rajahmundry	06-09-2021
16.	K.Raviteja	ADIVIKA-2K21		AdikaviNannaya University, Rajahmundry	06-09-2021
17.	D. Kameswara Rao	ADIVIKA-2K21	Treasure Hunt	Aditya Engineering college(A)	06-09-2021
18.	K.V.V.Ram Mohan	ADIVIKA-2K21		AdikaviNannaya University, Rajahmundry	06-09-2021

2020-21 – Participated

S.No	Name of the student	Name of the event	Topic	Venue	Date
1	K. Ganga Sunny	Birth Anniversary of Netaji Subhash Chandrabose	E-Quiz	Aditya Engineering College, Surampalem	23-01-2021
2	K. Ganga Sunny	National Library week 2020 competitions	Quiz	Aditya Engineering College, Surampalem	17-11-2020
3	K. Ganga Sunny	Sparkle Minds	National level Technical Quiz Competition	Jntuk,Vizianagaram	21-09-2020
4	K. Ganga Sunny	Digital Veda 2K20	Quiz	Aditya College of Engineering & Technology, Surampalem	15-09-2020
5	D. Kameswara Rao	Energy Literacy	Learn to design your own solar home system	Swaraj Foundation in Association with Aditya College of Engineering	14-09-2020

6	K. Ganga Sunny	National level E quiz on Applied Chemistry	Quiz	Usha Rama College of Engineering and Technology,Telaprolu, Gannavaram	16-07-2020
7	C. Ravibabu	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
8	P. Sai Krishna	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
9	K.N.G. Arun Pratap	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
10	T.Surendra	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
11	M.Saitarun	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
12	S.Jagadeeswari	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
13	G. Abhishek	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
14	B. Krishna Chaitanya	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
15	K.Ganesh	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020
16	T.Neelima	VIBA	COVID-19 Quiz	Vaagdevi College of Engineering, Proddatur	10-06-2020

2019-20 – Participated

S.No	Name of the student	Name of the event	Topic	Venue	Date
1	I. Adithya	VEDA-2K19	Electric Cross Word	Aditya College of Engineering & Technology	13th&14th Sep, 2019.
2	D.B.V.S.M. Raju				
3	R.Pushpa Kumari	VEDA-2K19	Circuit Debugging	Aditya College of Engineering & Technology	13th&14th Sep, 2019.
4	I. Adithya	VEDA-2K19	Electric Cross Word	Aditya College of Engineering & Technology	13th&14th Sep, 2019.
5	D.B.V.S.M. Raju	VEDA-2K19	Electric Cross Word	Aditya College of Engineering & Technology	13th&14th Sep, 2019.

6	Shaik Sameeullah	EFFI-CYCLE 2019	SAE Northern India Section Effi Cycle	Lovely Professional University Punjab	01st Oct, 2019.
7	K.Jyothi Swaroop	EFFI-CYCLE 2019	SAE Northern India Section Effi Cycle	Lovely Professional University Punjab	01st Oct, 2019.
8	V.Anil Kumar	Online MATLAB Technical Quiz	MATLAB Quiz	Pace Institute Of Technology And Sciences,Ongole	22nd May, 2020
9	Ch.Surya Vamsi	Online MATLAB Technical Quiz	MATLAB Quiz	Pace Institute Of Technology And Sciences,Ongole	22nd May, 2020
10	K.DivyaLahari	Online MATLAB Technical Quiz	MATLAB Quiz	Pace Institute Of Technology And Sciences,Ongole	22nd May, 2020
11	B.JayaSree	Online MATLAB Technical Quiz	MATLAB Quiz	Pace Institute Of Technology And Sciences,Ongole	22nd May, 2020
12	K.Lakshmiparvathi	ADIVIKA 2K19	Treasure Hunt	AdikaviNannaya University, Rajahmundry	06-09-2019
13	T.Subhash				

2018 -19- Participated

S.No	Name of the student	Name of the event	Topic	Venue	Date
1	K.J.Jithendra Surya Teja	Online BAJA SAEINDIA-2019	Go Kart Racing	Pithampur,Madhya Pradesh	23-01-2019 to 27-01-2019
2	PenkeUmadevi	ELECTRENDZ-2K18	Technical Treasure Hunt	AdityaEngineering College, Surampalem	14-09-2018
3	Davuluri Lavanya				
4	Allu Sivaji	ELECTRENDZ-2K18	Technical Treasure Hunt	AdityaEngineering College, Surampalem	14-09-2018
5	Guttula Kalyan				
6	Kuntella Suresh	ELECTRENDZ-2K18	Circuit Debugging	AdityaEngineering College, Surampalem	14-09-2018
7	Yamana Sai Jagadeesh	ELECTRENDZ-2K18	Electrical Quiz	AdityaEngineering College, Surampalem	14-09-2018
8	NuluSaikiran				
9	Chitturi Pooja Syamala	ELECTRENDZ-2K18	Circuit Debugging	AdityaEngineering College, Surampalem	14-09-2018

10	Gali Tanuja	ELECTRENDZ-2K18	Circuit Debugging	AdityaEngineering College, Surampalem	14-09-2018
11	Pendyala Mohan Kumar	ELECTRENDZ-2K18	Circuit Debugging	AdityaEngineering College, Surampalem	14-09-2018
12	Meeravath Sai Pradeep	ELECTRENDZ-2K18	Circuit Debugging	AdityaEngineering College, Surampalem	14-09-2018
13	KadiyapuDurgababu	ELECTRENDZ-2K18	Electrical Quiz	AdityaEngineering College, Surampalem	14-09-2018
14	Shaik Anju				
15	GadigatlaVaraprasad	ELECTRENDZ-2K18	Electrical Quiz	AdityaEngineering College, Surampalem	14-09-2018
16	TekiTarun				
17	Kamineni B Anudeep	ELECTRENDZ-2K18	Just A Minute Session	AdityaEngineering College, Surampalem	14-09-2018
18	AvidiSravani	ELECTRENDZ-2K18	Just A Minute Session	AdityaEngineering College, Surampalem	14-09-2018
19	Baddi Rohini Vijaya Sree	ELECTRENDZ-2K18	Just A Minute Session	AdityaEngineering College, Surampalem	14-09-2018
20	Kothali Sai Sarat Kumar	ELECTRENDZ-2K18	Just A Minute Session	AdityaEngineering College, Surampalem	14-09-2018
21	K.J.Jithendra Surya Teja	Virtual BAJA SAEINDIA-2018	Go Kart Racing	Chitkara University, Punjab	13-07-2018 to 14-07-2018

Paper Published by the students in Conferences/Journals

S. NO	AY	ROLL NO.	NAME OF THE STUDENT	Name of the Event	Topic	Venue	Date
1	2020-21	19MH5A0227	K.N.G ARUNPRATAP	First International Conference on Design and Materials (ICDM)-2021	CIRCUIT ANALYSIS AND MODELLING OF DUAL ACTIVE BRIDGE BIDIRECTIONAL CONVERTER	Journal Publishing	June 2020
2	2020-21	19MH5A0233	KUNCHE NANIBABU	First International Conference on Design and	DESIGN OF SLIDING MODE CONTROLLER FOR INDUCTION MOTOR DRIVE	Journal Publishing	June 2020

				Materials (ICDM)-2021			
3	2020-21	18MH5A0206	KARRI SUDHESWARI	3rd International Conference on Computing and Communication (IC3-2020)	MODEL-ORDER REDUCTION AND REDUCED CONTROLLER DESIGN USING ROUTH APPROXIMATION AND FACTOR DIVISION METHOD	Manipal Institute of Technology Sikkim	13-14th july 2020
4	2020-21	18MH5A0214	RAYADU VEERA GANESH				
5	2020-21	16PA1A0238	KONNA ROJA	3rd International Conference on Computing and Communication (IC3-2020)	OPTIMIZATION OF FUZZY INFERENCE SYSTEM USING GENETIC ALGORITHM	Manipal Institute of Technology Sikkim	13-14th july 2020
6	2020-21	18MH5A0216	SEELA NAGA VEERABABU				
7	2020-21	18MH1A0201	BODDUSAI DEPAK	First International Conference on Design and Materials (ICDM)-2021	STUDY OF DIFFERENT TECHNIQUES TO MITIGATE TEMPORARY OVERVOLTAGE IN PHOTOVOLTAIC SYSTEM	Manipal Institute of Technology Sikkim	26–27 December 2021
8	2019-20	18MH5A0211	PADIMI SRI VENKATA SATISH	2nd International Conference on Emerging Trends and Advances in Electrical Engg and Renewable Energy (ETAEERE-2020)	FRACTIONAL-ORDER EXTREMUM SEEKING MPPT FOR PHOTOVOLTAIC SYSTEM	KIIT,bhubaneswar	5th March 2020
9	2019-20	18MH5A0219	YELLAPU MANIKANTA SWAMY				

Students Participated in Extra-Curricular Activities

Prize winners/ Awards/ Rewards

1	AY	Roll No	Name of the Student	Event	Place	Date	Award/ Reward
1.	2021-22	20MH1A0208	Bodda Sri Shanmuka Sai Pavan Abhishaik	JNTUK Power lifting Intercollegiate Tournament	GMRIT Rajam	Dec-21	Gold

2.	2021-22	20MH1A0252	Polisetti Harsha Krishna Varaprasad	JNTUK Best Physique Intercollegiate Tournament	GMRIT Rajam	20-12-2021 & 21-12-2021	First
3.	2020-21	18MH5A0223	K.T.V.N.Sai Kumar	43rd Men & 17th Women Weight lifting	Rajahmundry	17-12-2021	First
4.	2020-21	18MH5A0223	K.T.V.N.Sai Kumar	7th Senior Men & Women AP State (Inter District)	Eluru	28-02-2021	First
5.	2019-20	18MH5A0223	K.T.V.N.Sai Kumar	All India Inter University Weight lifting & Best Physique (Men)-Represents JNTUK-Kakinada	Chandigarh University,Mohali,Punjab	15-12-2019 to 19-12-2019	Merit
6.	2019-20	18MH5A0223	K.T.V.N.Sai Kumar	6th AP State Junior Inter Dist. Weight Lifting Championship	KALAKHESTRAM,KADAPA	06-09-2019 to 08-09-2019	First
7.	2019-20	17MH5A0230	M.Bala Durga Venkata Rao	JNTUK Basket Ball Team Selection	JNTUK, Kakinada	12-02-2019	Merit
8.	2018-19	18MH5A0223	K.T.V.N.Sai Kumar	64th School Games Federation APCM CUP 2018 Power Lifting	Rajahmundry	14-12-2018	First
9.	2018-19	18MH5A0223	K.T.V.N.Sai Kumar	School Games Federation of AP	Nandigama,Vijaywada	8-12-2018 to 9-12-2018	Second
10.	2018-19	18MH5A0223	K.T.V.N.Sai Kumar	Inter Collegiate Championship Power Lifting 120Kg	GMRIT Engg college, Rajam, Srikakulam	13-10-2018 to 14-10-2018	First
11.	2018-19	18MH5A0223	K.T.V.N.Sai Kumar	Inter Collegiate Championship Weight Lifting +109Kg	GMRIT Enggcollege, Rajam,Srikakulam	13-10-2018 to 14-10-2018	First

2nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAEERE-2020)

Springer

Certificate

This is to certify that Prof./Dr./Mr./Ms. Yellapu Manikanta Swamy from Aditya college of Engineering Surampalem, (A.P) Presentated a paper entitle Fractional – order Extremum seeking MPPT for photovoltaic System. in the 2nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAEERE-2020) Organized by School of Computer Engineering & School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar on 5th & 6th March 2020.

General Chair ETAEERE-2020

Programme Chair ETAEERE-2020

Y.Manikanta Swamy (18MH5A0219) has participated in 2nd International Conference on Emerging Trends and Advances in Electrical Engg and Renewable Energy (ETAEERE-2020) IN KII, Bhubaneswar


Congratulations!
JNTUK INTER COLLEGIATE
" POWER LIFTING CHAMPIONSHIP 2021-2022 "
74 KGS Weight Category
" GOLDMEDALIST "
Mr. B.S.S.PAVAN KUMAR
HELD AT GMRIT,RAJAM
ADITYA COLLEGE OF ENGINEERING


CONGRATULATIONS
JNTUK INTER COLLEGIATE
"BODY BUILDING CHAMPIONSHIP 2021-2022 "
Mr.P.H.K.VARA PRASAD
65KGS GOLD MEDAL
HELD AT GMRIT,
RAJAM.
ADITYA COLLEGE OF ENGINEERING

18MH5A0223- K.T.V.N.Sai Kumar- First prize in 7th Senior Men & Women AP State (Inter District)- Eluru

M.Veerendra-17MH5A0231

First Place in Paper presentation on "Fly Ash Utilization" at ADIVIKA 2K19 in Adikavi Nannaya University,Rajahmundry

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003 ANDHRA PRADESH

S.No. A 5217

Certificate of Merit

This is to Certify that Mr./Ms. K.T. V.N. Sai Kumar

S/o.D/o / Smt. /Sri K. Srinivas

a student of Aditya College of Engineering, Surampalem

Studying in Class III/IV Branch B. Tech

has represented the JNTU Kakinada Weight lifting & Best Physique (Men) team

in the All India Inter University Weight lifting & Best Physique (Men)

Tournament held at Chandigarh University, Mohali, Punjab

during the year 2019-20.

The team has secured Nil position

Dt. 15-12-2019 to 19-12-2019

SECRETARY SPORTS COUNCIL

REGISTRAR

18MH5A0223- K.T.V.N.Sai Kumar- Selected for All India Inter University Weight lifting & Best Physique (Men)-Represents JNTUK-Kakinada, In Chandigarh University,Mohali,Punjab

Criterion 5	Faculty Information and Contributions	200

5. Faculty Information and Contributions (200):

Name of the faculty member	PAN No	Qualifications			Academic Research			Current Designation	Date (Designated as Prof/Assoc. Prof.).	Initial Date of Joining	Association Type	At present working with the Institution(Yes/No)	In case of NO, Date of Leaving	ISHOD
		University Degree	Date of Receiving Degree	Area of Specialization	Paper Research Publications	Ph.D Guidance	Ph.D. granted during the Assessment Year							
Mr. Karri Manoz Kumar Reddy	ARVPK 7572R	M.E/ M.Tech	02/04/2005	Power Systems - High Voltage Engineering	10	0	0	Associate Professor	01/07/2009	01/07/2009	Regular	Yes		Yes
Dr.Adireddy Ramesh	AEZPA 2978J	ME/ M.Tech and PhD	01/09/2018	Power Electronics	12	0	1	Professor	31/01/2014	31/01/2014	Regular	Yes		No
Dr.Manam Ravindra	BXXP M2124A	ME/ M.Tech and PhD	14/09/2018	Power Systems	10	0	0	Associate Professor	15/05/2019	15/05/2019	Regular	Yes		No
Dr.Arigela Sri Satya Veerendra Babu	AYYPA 4884C	ME/ M.Tech and PhD	24/08/2021	Power Electronics	12	0	0	Associate Professor	06/12/2021	06/12/2021	Regular	Yes		No
Donepudi Tata Rao	AJOPD 0123E	M.E/ M.Tech	03/08/2007	Electrical Power Engg	4	0	0	Associate Professor	05/06/2014	05/06/2014	Regular	Yes		No
Chaturvedula Uma Phanendra Kumar	ALEPC8594L	M.E/ M.Tech	01/12/2012	Embedded Systems	6	0	0	Associate Professor	19/05/2015	19/05/2015	Regular	Yes		No
Kambampati Lakshmi	BCRPK 6870N	M.E/ M.Tech	04/01/2011	Nuclear Engineering	1	0	0	Assistant Professor		04/06/2012	Regular	Yes		No
Majji Venkata Kumar Reddy	BOFPM 7130B	M.E/ M.Tech	09/09/2017	Power Electronics	1	0	0	Assistant Professor		23/10/2017	Regular	Yes		No
Manthina Satyanarayana Raju	CFKPM 7946L	M.E/ M.Tech	03/06/2017	Power Electronics	1	0	0	Assistant Professor		21/07/2017	Regular	Yes		No
Chithaluru Manoj	AQHPC 8168J	M.E/ M.Tech	02/10/2017	Power Systems	1	0	0	Assistant Professor		29/07/2019	Regular	Yes		No
HimajaTata	ASSPT8726C	M.E/ M.Tech	02/02/2015	Power Electronics and Electric Drives	2	0	0	Assistant Professor		30/07/2019	Regular	Yes		No
T.Lakshminarayana	AMJPN 6312P	M.E/ M.Tech	01/05/2012	High Voltage Engineering	1	0	0	Assistant Professor		05/04/2021	Regular	Yes		No
T.Padmajarani	ARXPT 4306Q	M.E/ M.Tech	03/01/2013	Power Electronics	1	0	0	Assistant Professor		06/04/2021	Regular	Yes		No
NukalaJaswanth	AQLPN 8042J	M.E/ M.Tech	03/06/2016	High Voltage &Power System Engineering	0	0	0	Assistant Professor		06/06/2017	Regular	Yes		No
Y.Srinivas	FTPPS0701H	M.E/ M.Tech	06/05/2021	Power Systems	0	0	0	Assistant Professor		07/05/2021	Regular	Yes		No
Mathamsetti Mownika	BYDPM 5692L	M.E/ M.Tech	01/07/2015	Power Electronics	0	0	0	Assistant Professor		08/06/2017	Regular	Yes		No
Chekuri Sravanthi	BBZPC 2183F	M.E/ M.Tech	03/09/2019	Power Electronics &Drives	0	0	0	Assistant Professor		04/12/2019	Regular	Yes		No
Darani kota RaviKiran	BPBPD 9817B	M.E/ M.Tech	04/01/2016	Power Electronics	0	0	0	Assistant Professor		05/06/2018	Regular	Yes		No
Veerraju Barla	BMFPB 3088R	M.E/ M.Tech	04/01/2013	Power Electronics &Electric Drives	0	0	0	Assistant Professor		11/01/2021	Regular	Yes		No

Rajesh Gajjelli	BOBPG2020J	M.E/ M.Tech	04/01/2013	Power Systems	0	0	0	Assistant Professor		25/01/2021	Regular	Yes		No
Balu Maloth	DAGPM5796G	M.E/ M.Tech	03/11/2014	Power Electronics	0	0	0	Assistant Professor		11/01/2021	Regular	Yes		No
Anjani Kumar Mekala	BZZPM7321K	M.E/ M.Tech	01/05/2014	Power Electronics	0	0	0	Assistant Professor		12/01/2021	Regular	Yes		No
Adari G.V .Chiranjeevi	ANFPA3059F	M.E/ M.Tech	03/08/2012	High Voltage Engineering	0	0	0	Assistant Professor		22/07/2019	Regular	No	01/10/2021	No
Babbellapati Sai Gopal Venkata Surya Subrahmanya	BYRPS3335N	M.E/M. Tech	06/01/2014	Power Electronics	2	0	0	Assistant Professor		19/05/2015	Regular	No	04/10/2021	No
Geddam Chakramanikanteswararao	BETPG0735A	M.E/M. Tech	03/09/2019	Power Electronics &Drives	1	0	0	Assistant Professor		07/10/2019	Regular	No	04/10/2021	No
Ponnada Srinivas	BZXPP4074L	M.E/M. Tech	03/07/2020	PowerElectronics	0	0	0	Assistant Professor		10/07/2020	Regular	No	04/10/2021	No
Veeraroutula Nagalakshmi	ANVPV2544A	M.E/ M.Tech	03/04/2017	Power Electronics	0	0	0	Assistant Professor		01/06/2017	Regular	No	04/10/2021	No
Nandipati Rama SuryaRao	AKAPN6636R	M.E/ M.Tech	05/04/2016	Power Electronics &Drives	0	0	0	Assistant Professor		25/07/2020	Regular	No	06/10/2021	No
Veeravelli Venkata Balaji	AKKPV7462R	M.E/ M.Tech	03/06/2016	Power Electronics	0	0	0	Assistant Professor		30/07/2020	Regular	No	06/10/2021	No
B Prakash Yellamelli	AIKPY8581E	M.E/ M.Tech	03/12/2014	Power Electronics &Electric Drives	0	0	0	Assistant Professor		06/06/2017	Regular	No	06/10/2021	No
Dr.Y.Srinivasa Rao	ABGPY4441E	ME/ M. Tech and PhD	01/12/2014	Power Electronics	0	0	0	Professor	01/06/2015	01/06/2015	Regular	No	01/06/2020	No
P.Bala Krishna	BCYPP9515L	M.E/ M.Tech	01/10/2014	Power Electronics &Electric Drives	1	0	0	Assistant Professor		02/10/2014	Regular	No	01/06/2020	No
Veeraroutula Nagalakshmi	ANVPV2544A	M.E/ M.Tech	03/04/2017	Power Electronics	0	0	0	Assistant Professor		01/06/2017	Regular	No	04/10/2021	No
A.Sridhar	BIRPA0563J	M.E/ M.Tech	04/01/2016	Power &Industrial Drives	1	0	0	Assistant Professor		31/05/2016	Regular	No	01/06/2020	No
U.V.Eswaru du	ACOPU1906F	M.E/ M.Tech	04/04/2011	Power Electronics	0	0	0	Assistant Professor		31/05/2016	Regular	No	02/06/2020	No
S.Srinu	ZYNPS2817D	M.E/ M.Tech	03/01/2017	Power Electronics &Drives	0	0	0	Assistant Professor		02/04/2018	Regular	No	02/06/2020	No

Note : *Please provide cumulative information for all the shifts for three assessment years in above format in Annexure II*

5.1 Student-Faculty Ratio (SFR) (20)

Institute Marks: 14.00

Department of Electrical and Electronics Engineering

2021-2022

No. of UG Programs in the Department (n): 01

No. of PG Programs in the Department (m): 01

No. of Students in UG 2nd Year= 132

No. of Students in UG 3rd Year= 132

No. of Students in UG 4th Year= 132

No. of Students in PG 1st Year= 12

No. of Students in PG 2nd Year= 18

2020-2021

No. of UG Programs in the Department (n): 01
No. of PG Programs in the Department (m): 01
No. of Students in UG 2nd Year= 132
No. of Students in UG 3rd Year= 132
No. of Students in UG 4th Year= 144
No. of Students in PG 1st Year= 18
No. of Students in PG 2nd Year= 18

2019-2020

No. of UG Programs in the Department (n): 01
No. of PG Programs in the Department (m): 01
No. of Students in UG 2nd Year= 132
No. of Students in UG 3rd Year= 144
No. of Students in UG 4th Year= 144
No. of Students in PG 1st Year= 18
No. of Students in PG 2nd Year= 18

No. of Students = Sanctioned Intake + Actual admitted lateral entry students
S*=Number of Students in the Department = UG1 + UG2 +… +UGn + PG1 + …PGn*
F *= Total Number of Faculty Members in the Department (excluding first year faculty)*

Student Faculty Ratio (SFR) = **S / F**

Year	**2021-2022**	**2020-21** CAYm1	**2019-20**CAYm2
u1.1(II Yr)	132	132	132
u1.2(III Yr)	132	132	144
u1.3(IV Yr)	132	144	144
UG1	**396**	**408**	**420**
p1.1(I Yr)	12	18	18
p1.2(II Yr)	18	18	18
PG1	30	36	36
Total No. of Students in the Department**(S)**	**426**	**444**	**456**
No. of Faculty in the Department**(F)**	22	22	22
Student Faculty Ratio (SFR)	**19.36**	**20.18**	**20.73**
Average SFR	**SFR**=(SFR1+SFR2+SFR3)/3=**20.09**		

Note:

Marks to be given proportionally from a maximum of 20 to a minimum of 10 for average SFR between 15:1 to 25:1, and zero for average SFR higher than 25:1. Marks distribution is given as below:

< = 15 - 20 Marks

< = 17 - 18 Marks

< = 19 - 16 Marks

< = 21 - 14 Marks

< = 23 - 12 Marks

< = 25 - 10 Marks

> 25 - 0 Marks

Note: Minimum 75% should be Regular/ full time faculty and the remaining shall be Contractual Faculty as per AICTE norms and standards.The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Student Faculty Ratio.

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below

Year	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2021-22)	22	0
CAYm1(2020-21)	22	0
CAYm2(2019-20)	22	0

Average SFR for three assessment years: 20.09

Assessment SFR: 14

5.2 Faculty Cadre Proportion (25)

Institute Marks: 21.50

The reference Faculty cadre proportion is 1 (F1):2(F2):6(F3)

F1:Number of Professors required=1/9xNumber of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students(N) as per 5.1

F2:Number of Associate Professors required=2/9 x Number of Faculty required to comply with 15:1 Student-Faculty ratio based on no. of students (N)as per 5.1

F3:Number of Assistant Professors required=6/9xNumberofFaculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2021-22)	2	1	4	5	14	16
CAYm1(2020-21)	2	1	4	4	14	17
CAYm2(2019-20)	2	2	5	4	15	16
Average Numbers	RF1=2	AF1=1.33	RF2=4.33	AF2=4.33	RF3=14.33	AF3=16.33

Cadre Ratio Marks= [(AF1/RF1)+[(AF2/RF2)*0.6]+[(AF3/RF3)*0.4]]*12.5: 21.5

- *If AF1=AF2=0 then zero marks*
- *Maximum marks to be limited if it exceeds 25.*

Example: Student No. = 180.
Required number of Faculty: 12; RF1=1, RF2=2, and RF3=9
Case 1: AF1/RF1=1; AF2/RF2=1; AF3/RF3=1
*Cadre proportion marks=(1+0.6+0.4)*12.5=25*
Case 2: AF1/RF1=1; AF2/RF2=3/2; AF3/RF3=8/9
*Cadre proportion marks=(1+0.9+0.3)*12.5 =limited to 25*
Case 3: AF1/RF1=0; AF2/RF2=1/2; AF3/RF3=11/9
*Cadre proportion marks= (0+0.3+0.49)*12.5 = 9.87*

5.3 Faculty Qualification (25)

Institute Marks: 12.01

FQ=2.5x[(10X+6Y)/F)]
where X is no.of regular faculty with Ph.D. ,
Y is no.of regular faculty with M.Tech.
F is no.of regular faculty required to comply 1:20
Faculty student ratio (no.off faculty and no.of students required are to be calculated as per 5.1

AY	X	Y	F	FQ = 2.5 x [(10X + 4Y) / F)]
2021-22(CAY)	3	19	21.00	12.62
2020-21(CAYm1)	2	20	**22.00**	11.36
2019-20(CAYm2)	3	19	**22.00**	12.05
Average assessment				12.01

Average assessment: 12.01

5.4 Faculty Retention (25)

Institute Marks: 15.00

No. of regular faculty members in CAY*m2* = 22 CAY*m1*= 22 CAY= 22

Item	*Max Marks*
>=90%of required Faculty members retained during the period of assessment keeping CAYm3 as base year keeping CAYm2 as base year	*25*
>=75% of required Faculty members retained during the period of assessment keeping CAYm3 as base year keeping CAYm2 as base year	*20*
>=60% of required Faculty members retained during the period of assessment keeping CAYm3 as base year keeping CAYm2 as base year	*15*
>=50% of required Faculty members retained during the period of assessment keeping CAYm3 as base yearkeepingCAYm2asbaseyear	*10*
<50%of required Faculty members retained during the period of assessment keeping CAYm3 as base year	*0*

Description	2021-22	2020-21
No of Faculty Retained	13	17
Total No of Faculty	22	22
% of Faculty Retained	59	77

Average=68

Assessment Marks:15.00

5.5. Innovations by the Faculty in Teaching and Learning (20)

Total Marks: 20.00

Institute Marks: 20.00

Innovations by the Faculty in teaching and learning shall be summarized as per the following description. Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction. Any contributions to teaching and learning should satisfy the following criteria:

- *The work must be made available on Institute website*
- *The work must be available for peer review and critique*
- *The work must be reproducible and developed further by other scholars. The department/institution may set up appropriate processes for making the contributions available to*

the public, getting them reviewed and for rewarding. These may typically include statement of clear goals, adequate preparation, use of appropriate methods, and significance of results, effective presentation and reflective critique

Innovative Teaching incorporates technology into teaching learning methods to create a rich learning experience for students and rewarding teaching experience for faculty.

Faculty in the department are intellectually interested to update their knowledge by attending International/National conferences, webinars, seminars, workshops, Faculty Development programs on various domains across the globe.

Teaching-Learning:

Department adopts student centric methods to make the Teaching Learning process more effective. In this process experiential learning, participative learning and problem solving methodologies. The teacher's role is that of a facilitator who promotes self-management of knowledge, holistic development and skill formation through participatory learning activities such as following lecture method in combination with other teaching methods.

Experiential learning:

1. Learning that is considered "experiential" contains all the following elements: reflection, critical analysis and synthesis, opportunities for students to take initiative, make decisions and be accountable for the results. It provides opportunities for students to engage intellectually, creatively, emotionally, socially, or physically.
2. It is any learning that supports students in applying their knowledge and conceptual understanding to real-world problems or authentic situations where the instructor directs and facilitates learning..
3. What matters most is whether the activities allow students to chase answers to questions, make decisions, take risks, think on their feet, and justify their answers. These types of activities enhance student learning.
4. These immersive experiences will help students develop and build upon knowledge, skills, and values associated with thinking like an expert within your field.
5. The experience should answer a question or problem relevant to your course. The learning comes from the rationale for their answers and the reflections from the experience.

Participative learning:

1. Students are the first and foremost stakeholders of the college. Learner centric teaching methods such as group work, role play, project work, field visit, industrial visits, case study, debates, seminars, presentations are employed to make teaching and learning more effective.
2. Educational trips, surveys are organized in departmental levels. Department organize guest lectures by eminent personalities to develop the students to learn on their own. Visiting faculties drawn from industry and academic institutes of repute supplement the teaching process and provide the information to bridge the gap between industry and academia.
3. Department has a club/ association with every department which organizes number of student centric activities. The participating students are from the same department or from other

departments which promotes interdepartmental collaborative activities. These activities are an integral part of the departmental activity.

4. Department periodically conducts orientation programs / workshops on new pedagogy methods to the faculty. Problem based learning was implemented in the tutorial classes by the faculty.

Independent learning:

1. The department has well stocked library which consists of bulk of books, journals, project reports and other teaching materials for the use of students and faculty.
2. The department provides well equipped and advanced labs for improving programming skills & logical thinking.
3. Faculty and students has got the access to NPTEL video lectures for effective teaching learning practices. Students are also encouraged to use MITS open courseware.
4. Students are encouraged to give seminars starting from first year on the basics / fundamentals of subjects.
5. The students are encouraged to attend workshops and conferences. Students are encouraged to take up engineering projects in community service.

Individualized Activities:

Internship/Project Work, Mini-projects, Seminars, Case studies, student presentations, paper Presentations, internet research and etc.

Group Activities:

1. Group seminars, Peer teaching, Tutorials, Group discussion, Model making, organizing exhibitions, Intercollegiate and interdepartmental competitions, Interactive guest lectures,
2. Brainstorming, Role play, Field survey/ Field work/ Field trips, Debates, Quizzes, College magazine–designing, industrial visits etc.,
3. Newspaper based assignments promote social awareness and also give working knowledge of the theoretical concepts learnt. Free access to the internet and DELNET (e-journals) make them self-reliant and independent learners.

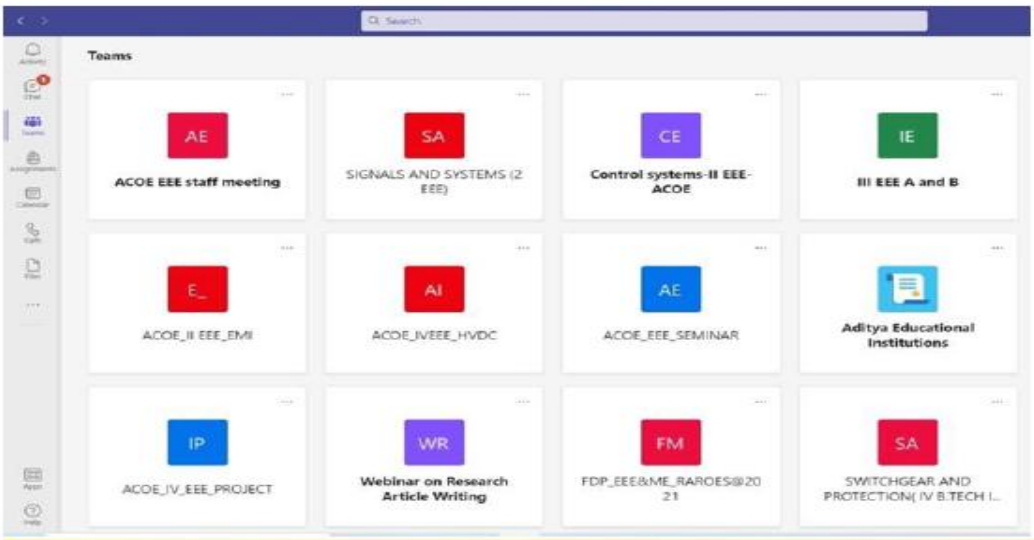
Innovations and Creativity in Teaching- Learning

1. The department provides e-learning platforms to facilitate independent learning wherein students can access course contents online. Thus e-learning platforms bridge the gap from classroom learning, and also supplement advanced learning. Available e-learning platforms include Microsoft Teams, LMS,ERP, learning resources through CDs and DVDs.
2. Teaching –learning is a phenomenon where the teacher and the student are learning. In our department, we have been following this method. By this method, the teacher is refining his/ her subject knowledge and effective teaching skills, whereas the student finds it easier to understand the subject and its application. Our teaching faculty‘s endeavor is to follow this method meticulously so that both the participants get benefit and value addition to their efforts. It is not a traditional knowledge transfer from the teacher to the student.
3. Traditional teaching has been replaced with more innovative and creative ways of disseminating, sharing and facilitating knowledge development in students. As both are

involved with commitment, through this method, an interest has been created in the student and the teacher has to encourage the student to come out with new and innovative ideas. This method also motivates both the teacher and the learner.

The following are the technologies and facilities used by the faculty for effective teaching:

a. The department is well equipped with ICT-enabled facilities for teaching-like computers with internet facility.
b. OHPs, LCD projectors in all class rooms
c. E-Library resources and online content are used by teachers where the courses need updated information.
d. Video conferencing facility
e. Workshops and Seminars are held by the college and the faculties are also encouraged to attend seminars and conferences.
f. Faculty members use e-learning resources like NPTEL Videos/pdf and open e-learning resources
g. The department faculties are well facilitated in the extensive use of technology for effective teaching.
h. Interactive learning through teams app during Covid period
i. The department encourages Bridge courses to the students as a part of placements to them
j. Every Students is encouraged to maintain his own Cyclopedia
k. The department provides a coding platform to the students and provides technical courses through T-hub provided by the college.



Bridge Course | 2021-22 JOIN

APT LOGIC Practice

S.No	Date	Mathematics 09:30 AM - 10:30 AM	C Language 10:30 AM - 11:30 AM	APT LOGIC 12:00 PM - 01:00 PM	Status	Previous Classes
1	16-09-2021	Number System	Introduction to Course	Number Series		Link

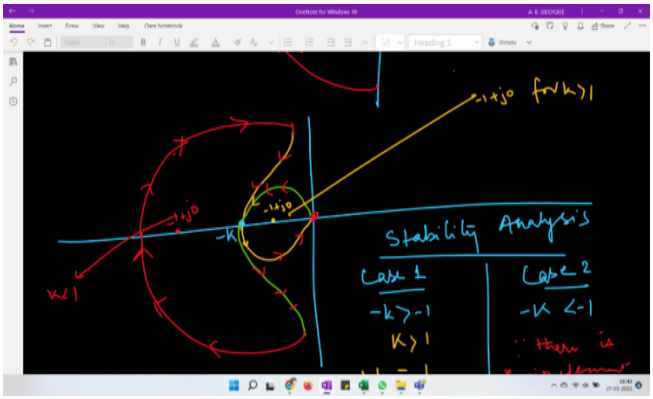
Innovations by the Faculty in Teaching and Learning

S.No	Teaching Methods	Types activity	Purpose/description
1	Activity based teaching	ICT Based Teaching	Refers to any method of delivering learning material via information and communication technologies, i.e. web-based, computer-based, video, etc.
		Wacom Board based teaching in online mode	It helps to teach digitally from remote areas. With the help of Wabcom we can experience the full strength of hand writing functions in online lessons
		Role play	Role play exercises give students the opportunity to assume the role of a person or act out a given situation. These roles can be performed by individual students, in pairs, or in groups which can play out a more complex scenario. Role plays engage students in real-life situations or scenarios that can be "stressful, unfamiliar, complex, or controversial" which requires them to examine personal feelings toward others and their circumstances
		Peer teaching	Peer teaching involves one or more students teaching other students in a particular subject area and builds on the belief that "to teach is to learn twice
		Collaborative Learning (Participative Learning)	Collaborative learning is an educational approach to teaching and learning that involves groups of students working together to solve a problem, complete a task, or create a product. ... Learning flourishes in a social environment where conversation between learners takes place.
2	Videos	NPTEL/ Coursera	The main objective of the National Programme on Technology Enhanced Learning (NPTEL) is to enhance the quality of engineering and science education in the country by developing contents for undergraduate and postgraduate curricula using video and web based courses. These courses cover the syllabi prescribed by universities and approved by AICTE NPTEL Local Chapter Our college is having NPTEL Local Chapter: NPTEL Local Chapter It is a partnership between the college and NPTEL.

			Requirements are a letter from the head of the institution and contact details of a Coordinator from the institute. http://nptel.ac.in/LocalChapter
3	Presentations	Seminar	Seminars are a vital part of academic courses that gives an opportunity to develop essential skills and understanding of the subject.
4	Project based learning(Experiential learning)	Projects	Project based learning structures in curriculum tends to encourage students around discrete projects with learning presentation that includes multi-step problem solving, research, logical deduction, and iterative learning and also encourage teamwork.
5	Add on Skills	Hands on training	Add on Skills Training is the session where students are trained on centre of excellences in different areas such as Modeling, Analysis and Simulation on their area of interest by utilizing the college facilities after college hours 4pm to 6pm.

ICT Based Teaching

Peer Learning



Webcom board based Teaching

Role Play based Learning

A. Activity Based Teaching

1. ICT based Teaching
2. Wacom Board based teaching in online mode
3. Role play based Teaching
4. Peer Teaching

List of faculty members conducted Activity Based teaching for students

Sl.No	Name of the faculty	Year	Subject	Activity	Topic	No of students partici-pated
1	Mr.M.V.Kumar Reddy	IV-I	Utilization of Electrical Engineering	Wacom Board based teaching in online mode	Electrical Heating and Welding	65
2	Mr.D.Tata Rao	I-II	Basic Electrical Engineering	ICT Based Teaching	Induction motors	45
3	Dr.M.Ravindra	IV-II	HVDC Transmission	ICT Based Teaching	Design of Filters	30
4	Mr.K.Manoz Kumar Reddy	III-II	Power System Analysis	Role play based teaching	Load Flow Analysis	30
5	Mr.Ch.U.P.Kumar	II-II	Power Systems-II	Role play based teaching	Skin Effect, Proximity Effect, Ferranti effect	44
6	Mrs.K.lakshmi	III-II	Digital control Systems	Peer teaching	Z transforms	30
7	Mr.M.Satyanarayana Raju	IV-I	Power System Operation and Control	Peer teaching	Unit commitment	40
8	Mrs.T.Himaja	III-II	Power Electronics	Participative learning	DC Choppers	36
9	Mr.Ch.Monoj	I-II	Electrical Circuit Analysis	Participative learning	Two port Networks	35
10	Mr.T.Padmaja Rani	III-II	Power Semiconducto r drives	Peer teaching	Four quadrant operation of DC drives	36

B. Conferences, Seminars and Workshops - Attended

Academic Year 2021-2022

S. No	Name of the Faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
1	Dr.A.Ramesh	Artificial Intelligence Techniques for Electrical Engineering Systems(AITEES-2022)",	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	Gudlavalleru, Andhra Pradesh	6th-7th May, 2022.
2	Mr.K.Manoz Kumar Reddy	Artificial Intelligence Techniques for Electrical Engineering Systems(AITEES-2022)",	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	Gudlavalleru, Andhra Pradesh	6th-7th May, 2022.
3	Dr.M.Ravindra	Artificial Intelligence Techniques for Electrical Engineering Systems(AITEES-2022)",	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	Gudlavalleru, Andhra Pradesh	6th-7th May, 2022.
4	Dr.A.S.S.Veerendra babu	Artificial Intelligence Techniques for Electrical Engineering Systems(AITEES-2022)",	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	Gudlavalleru, Andhra Pradesh	6th-7th May, 2022.
5	Mr.D.Tata Rao	Artificial Intelligence Techniques for Electrical Engineering Systems(AITEES-2022)",	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	Gudlavalleru, Andhra Pradesh	6th-7th May, 2022.
6	Mr.Ch.U.P.Kumar	Artificial Intelligence Techniques for Electrical Engineering Systems(AITEES-2022)",	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	Gudlavalleru, Andhra Pradesh	6th-7th May, 2022.
7	Mrs.K.Lakshmi	Artificial Intelligence Techniques for Electrical Engineering Systems(AITEES-2022)",	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	Gudlavalleru, Andhra Pradesh	6th-7th May, 2022.
8	Mr. M. Manoz Kumar Reddy	Budha Philosophy for Healthy Life	Colobratively organized by North-Eastern Hill University (NEHU), Shillong, Moran College-Assam, Sri Venkateswara	Online workshop conducted from Shillong, Maghalaya,	19th Mar 2022

			University-Tirupati	India, Moran college-Assam, and Tirupati	
9	Mr.T.Lakshmi Narayana	Recent Trends in Radar Signal Processing	Department of Electronics and Communication Engineering , Gayatri vidya parishad college of engineering for women	Madhurawada Visakapatnam	3rd -5th January 2022
10	Mr.T.Lakshmi Narayana	Online Educator and Innovative Pedagogy	Colobratively organized by North-Eastern Hill University (NEHU), Shillong, Moran College-Assam, Sri Venkateswara University-Tirupati	Online workshop conducted from Shillong, Maghalaya, India, Moran college-Assam, and Tirupati	19th Feb 2022
11	Mr.T.Lakshmi Narayana	Budha Philosophy for Healthy Life	Colobratively organized by North-Eastern Hill University (NEHU), Shillong, Moran College-Assam, Sri Venkateswara University-Tirupati	Online workshop conducted from Shillong, Maghalaya, India, Moran college-Assam, and Tirupati	19th Mar 2022
12	Mr.T.Lakshmi Narayana	National workshop on grid Power Electronics and Communication Engineering	Indian Institute of Information Technology, Design and Manufacturing(IIITD&M)	Kanchepuram, Chennai	18-19th feb 2022
13	Dr.M.Ravindra	Budha Philosophy for Healthy Life	Colobratively organized by North-Eastern Hill University (NEHU), Shillong, Moran College-Assam, Sri Venkateswara University-Tirupati	Online workshop conducted from Shillong, Maghalaya, India, Moran college-Assam, and Tirupati	19th Mar 2022
14	Dr.A.S.S.Veerendra Babu	Budha Philosophy for Healthy Life	Colobratively organized by North-Eastern Hill University (NEHU), Shillong, Moran College-Assam, Sri Venkateswara University-Tirupati	Online workshop conducted from Shillong, Maghalaya, India, Moran college-Assam, and Tirupati	19th Mar 2022
15	Mr.D.Tata Rao	Budha Philosophy for Healthy Life	Colobratively organized by North-Eastern Hill University (NEHU), Shillong, Moran College-Assam, Sri Venkateswara University-Tirupati	Online workshop conducted from Shillong, Maghalaya, India, Moran college-Assam, and Tirupati	19th Mar 2022
16	Mr.M.Satyanarayana Raju	National workshop on grid Power Electronics and	Indian Institute of Information Technology, Design and	Kanchepuram, Chennai	18-19th feb 2022

		Communication Engineering	Manufacturing(IIITD&M)		
17	Mrs.K.Lakshmi	National workshop on grid Power Electronics and Communication Engineering	Indian Institute of Information Technology, Design and Manufacturing(IIITD&M)	Kanchepuram, Chennai	18-19th feb 2022
18	Mrs.T.Himaja	Recent Trends in Radar Signal Processing	Department of Electronics and Communication Engineering , Gayatri vidya parishad college of engineering for women	Madhurawada, Visakapatnam	3rd -5th January 2022
19	Mr.N.Jaswanth	Recent Trends in Radar Signal Processing	Department of Electronics and Communication Engineering , Gayatri vidya parishad college of engineering for women	Madhurawada, Visakapatnam	3rd -5th January 2022
20	Mr.B.Veerraju	Budha Philosophy for Healthy Life	Colobratively organized by North-Eastern Hill University (NEHU), Shillong, Moran College-Assam, Sri Venkateswara University-Tirupati	Online workshop conducted from Shillong, Maghalaya, India, Moran college-Assam, and Tirupati	19th Mar 2022
21	Ch.Sravanthi	Recent Trends in Radar Signal Processing	Department of Electronics and Communication Engineering , Gayatri Vidya parishad college of engineering for women	Madhurawada, Visakapatnam	3rd -5th January 2022
25	Mrs.M.Mownika	Recent Trends in Radar Signal Processing	Department of Electronics and Communication Engineering , Gayatri Vidya Parishad college of engineering for women	Madhurawada, Visakapatnam	3rd -5th January 2022

Academic Year 2020-2021

S. No	Name of the Faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
1	Dr.A.Ramesh	International Conference on Research in Science, Engineering, Technology and Management-2020	Department of CSE, Vagdevi College of Engineering,	Warangal, Telengana	28th Dec 2020
2	Dr.A.Ramesh	A two day Online workshop on Recent Technologies in Power Systems	Department of EEE, JNTUK-University college of Engineering Vizianagaram	Vizianagaram	30 31st August 2021
3	Dr.M.Ravindra	International Conference on Research in Science, Engineering, Technology and Management-2020	Department of CSE, Vagdevi College of Engineering,	Warangal, Telengana	28th Dec 2020

4	Mr.K.Manoz Kumar Reddy	International Conference on Research in Science, Engineering, Technology and Management-2020	Department of CSE, Vagdevi College of Engineering,	Warangal, Telengana	28th Dec 2020
5	Mr.K.Manoz Kumar Reddy	3rd International conference on Computing and Communication (IC3-2020)	Sikkim Manipal Institute of Technology, Sikkim	Sikkim	13 th 14 th july 2020
6	Mrs.K.Lakshmi	A two day workshop onRecent technologies in power systems	JNTU-University College of Engineering Vizianagaram	Vizianagaram	30&31st August 202 1(2days)
7	Mrs.K.Lakshmi	A one day workshop on Changing Global Perspective on Investments-Careers, Financial Statements and Sustainability	Govindrao Wanjari College of Engineering& Technology	Nagpur	6th Dec 2021
8	Ch.Manoj	3rd International conference on Computing and Communication (IC3-2020)	Sikkim Manipal Institute of Technology, Sikkim	Sikkim	13 th 14 th july 2020
9	M.V.Kumar Reddy	3rd International conference on Computing and Communication (IC3-2020)	Sikkim Manipal Institute of Technology, Sikkim	Sikkim	13th&14th july 2020
10	M.V.Kumar Reddy	A one day workshop on “Smart Grid Technology and Applications”	Dept. of EEE,Indus Institute of Engineering and Technology	Siddipeta, Telangana	4th Aug 2020
11	M.V.Kumar Reddy	A one day workshop on “Unsupervised Learning with K-Means Clustering”	Dept of ECE,CMR Engineering College	Hyderabad	4th Aug 2020
12	M.V.Kumar Reddy	A one day workshop on “Role of IOT in Healthcare during Covid”	Dept of ECE,C.Abdul Hakeem College of Engineering & Technology	Vellore	5th Aug 2020
13	Mrs.T.Himaja	A Two-Day Online workshop on Recent Technologies in Power System	Department of EEE, JNTUK-University College of Engineering	Vizianagaram	30, 31 August 2021
14	Mrs.T.Himaja	One week Induction Program on Hybrid Energy Storage Systems-DPE	Department of EEE Pragati Engineering College(A)	Surampalem, Andhra Pradesh	19th -25th may 2021
15	Mrs.T.Himaja	6th International Conference for Convergence in Technology (I2CT)	Sinhgad Institute of Technology Lonavala and Siddhant Group of Institutes	Pune	4th April 2021

16	Mr.M.Satya narayana Raju	A Two day workshop on IQ-F-PLC	CVR College of Engineering	Hyderabad	28-10-2021 to 29-10-2021
17	Mr.M.Satya narayana Raju	A Two day National workshop on "Managing Cyber Security in the New Normal:	Department of Computer Science and Engineering for IOT and Advanced Computing, Tagore University	Bhopal	22-10-2021 & 23-10-21
18	Mr.D.Tata Rao	A Two day National Level Workshop on Transformation Through NAAC Accreditation Process	College of Education & Technical Education Department.	Hyderabad	21st and 22nd June 2021
19	Mr.D.Tata Rao	A Two-Day Online workshop on Recent Technologies in Power System	Department of EEE, JNTUK-University College of Engineering	Vizianagaram	30,31 August 2021
20	T. Padmaja Rani	One week workshop on Future challenges in renewable energy systems- a research perspective	Shri Vishnu Engineering College for Women	Bhimavaram	13-19th September,2021
21	Dr.A.S.S. Veerendra Babu	National Conference for Postgraduate Research (NCON-PGR)-2020	Institute of Postgraduate studies (IPS), Universiti Malaysia Pahang	Malaysia, Kuantan	9th December 2020
22	Mr.M.V.Kumar Reddy	A four-day Online work shop on Bibliometric Analysis using Scopus Data Base	Aditya College of Engineering	Surampalem	26th April 2021 to 29th April 2021
23	Mr. Nukala Jaswanth	A four-day Online work shop on Bibliometric Analysis using Scopus Data Base	Aditya College of Engineering	Surampalem	26th April 2021 to 29th April 2021
24	Mrs. Mathamsetti Mownika	A four-day Online work shop on Bibliometric Analysis using Scopus Data Base	Aditya College of Engineering	Surampalem	26th April 2021 to 29th April 2021
25	Mrs.Chekuri Sravanthi	A four-day Online work shop on Bibliometric Analysis using Scopus Data Base	Aditya College of Engineering	Surampalem	26th April 2021 to 29th April 2021
26	Mr. Veerraju Barla	A Seminar on "Intellectual Human values and ethics in technical education"	Aditya College of Engineering	Surampalem	17th Dec 2020
27	Mrs K.Lakshmi	A Seminar on "Intellectual Human values and ethics in technical education"	Aditya College of Engineering	Surampalem	17th Dec 2020

28	Rajesh Gajjelli	A Seminar on "Intellectual Human values and ethics in technical education"	Aditya College of Engineering	Surampalem	17th Dec 2020
29	Anjani Kumar Mekala	A Seminar on "Intellectual Human values and ethics in technical education"	Aditya College of Engineering	Surampalem	17th Dec 2020

Academic Year 2019-2020

S. No.	Name of the faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
1	Dr.A.Ramesh	A Three day workshop on NAAC Assessment and Accreditation: A Step by Step Process	Gates Institute of Technology	Anantapuram	28th -30th May 2020
2	Dr.A.Ramesh	A Three day webinar series on Design of Power Switched converters for Renewable Energy Applications	Department of Electrical and Electronics Engineering, K.L Education Foundation,	Vaddeswaram ,Guntur, AP.	9th to 10th May 2020
3	Dr.M.Ravindra	In 4th international conference on innovations in Electrical and Electronics Engineering (ICIEEE-2019)	Guru Nanak Institutions Technical Campus	Hyderabad	26th,&27th july 2019
4	Dr.M.Ravindra	5th International conference on Micro Electronics Electromagnetics and Telecommunications (ICMEET-2019)	Department of Electronics and Communication Engineering, Raghu Institute of Technology.	Viska-patanam	6th &7th December
5	Mr.T.Lakshmanaraya na	3 Day National Workshop on Outcome based Education	Department of Computer Science, UCEK, JNTUK, Kakinada	Kakinada	31st October to 2nd Nov 2019
6	Mr.D.Tata Rao	A two day workshop on Engineering Exploration Project	Department of EEE, UCEK, JNTUK, Kakinada	Kakinada	10th& 11th October 2019
7	Mr.Ch.UP.Kumar	A two day workshop on Engineering Exploration Project	Department of EEE, UCEK, JNTUK, Kakinada	Kakinada	10th& 11th October 2019
8	Dr.A.Ramesh	A Three day workshop on IOT and its applications in Signal Processing	Department of Electronics and Communication Engineering, Aditya College of Engineering	Surampalem, E.G. Dist., AP	6th to 8th june 2019
9	Mr.K.Manoz Kumar Reddy	A Three day workshop on IOT and its applications in Signal Processing	Department of Electronics and Communication Engineering, Aditya College of	Surampalem, E.G. Dist., AP	6th to 8th june 2019

			Engineering		
10	Dr.M.Ravindra	A Three day workshop on IOT and its applications in Signal Processing	Department of Electronics and Communication Engineering, Aditya College of Engineering	Surampalem, E.G. Dist., AP	6th to 8th june 2019
11	Mr.D.Tata Rao	A Three day workshop on IOT and its applications in Signal Processing	Department of Electronics and Communication Engineering, Aditya College of Engineering	Surampalem, E.G. Dist., AP	6th to 8th june 2019
12	Mr.Nukala Jaswanth	A Three day workshop on IOT and its applications in Signal Processing	Department of Electronics and Communication Engineering, Aditya College of Engineering	Surampalem, E.G. Dist., AP	6th to 8th june 2019
13	Mrs.M.Mownika	A Three day workshop on IOT and its applications in Signal Processing	Department of Electronics and Communication Engineering, Aditya College of Engineering	Surampalem, E.G. Dist., AP	6th to 8th june 2019
14	Mr.Ravi Kiran	A Three day workshop on IOT and its applications in Signal Processing	Department of Electronics and Communication Engineering, Aditya College of Engineering	Surampalem, E.G. Dist., AP	6th to 8th june 2019
15	Dr..M.Ravindra	A Two day Workshop on Engineering Exploration Project	Aditya College of Engineering	Surampalem, E.G. Dist., AP	13-11-2019 to 13-11-2019
16	Dr..M.Ravindra	A four day workshop on "Intellectual Property Rights(IPR)	Aditya College of Engineering	Surampalem, E.G. Dist., AP	06-01-2020 to 09-01-2020
17	Mr.D,Tata Rao	A four day workshop on "Intellectual Property Rights(IPR)	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	06-01-2020 to 09-01-2020
18	Mrs.T,Himaja	A four day workshop on "Intellectual Property Rights(IPR)	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	06-01-2020 to 09-01-2020
19	Mr.Ch,Manoj	A four day workshop on "Intellectual Property Rights(IPR)	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	06-01-2020 to 09-01-2020
20	Mr.Satyanarayana Raju	A four day workshop on "Intellectual Property Rights(IPR)	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	06-01-2020 to 09-01-2020

Academic Year 2018-2019

S.No.	Name of the faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
1	Mr.K. Manoz kumar reddy	International conference on innovative trends in engineering, applied science and management(ICITEASM-2018	Osmania university, Hyderabad	Hyderabad	24th june, 2018
2	Dr.A.Ramesh	First International Conference on Computational and Intelligent Techniques for Automation of Engineering System	Gudlavalleru Engineering College	Gudlavalleru, AP	30th Dec, 2018
3	Dr.M.Ravindra	3rd International conference on intelligent communication, control and devices(ICICCD-2018)	Department of Electrical and Electronics Engineering, University of petroleum and Energy Studies.	Dehradun	21st and 22nd December, 2018
4	Mr. M. V. Kumar Reddy	Entrepreneurship Development and Startups in India	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	16-02-2019
5	Mr. M.Satya narayana Raju	Entrepreneurship Development and Startups in India	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	16-02-2019
6	Mr.N.Jaswanth	Entrepreneurship Development and Startups in India	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	16-02-2019
7	Mrs. M. Mownika	A Seminar on "Energy Audit and Conservation management"	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	12/12/2018
8	Mr.D.Tata Rao	A Seminar on "Energy Audit and Conservation management"	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	12/12/2018
9	Mr.Ch.U.P. Kumar	A Seminar on "Energy Audit and Conservation management"	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	12/12/2018

10	Mr.N.Jaswanth	A Seminar on "Energy Audit and Conservation management"	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	12/12/2018
11	Mr.M.Satya narayana Raju	A Seminar on "Energy Audit and Conservation management"	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	12/12/2018
12	Mr.M.Satya narayana Raju	Seminar on Renewable Energy & Modern Trends in metering	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	22-09- 2018
13	Mr.Ch.U.P. Kumar	Seminar on Renewable Energy & Modern Trends in metering	Department of EEE, Aditya College of Engineering	Surampalem. E.G. Dist., AP	22-09- 2018
14	Mr.N.Jaswanth	Seminar on Renewable Energy & Modern Trends in metering	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	22-09- 2018
15	Mr.N.Jaswanth	A Seminar on “Modern Tools usage in Electrical Machines”	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	17-07-2018
16	Mr.Ch.U.P. Kumar	A Seminar on “Modern Tools usage in Electrical Machines”	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	17-07-2018
17	Mr.M.Satya narayana Raju	A Seminar on “Modern Tools usage in Electrical Machines”	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	17-07-2018
18	Mr.M. Mownika	A Seminar on “Modern Tools usage in Electrical Machines”	Department of EEE, Aditya College of Engineering	Surampalem, E.G. Dist., AP	17-07-2018

C. Conferences, Seminars, and Workshops – Organized

Academic Year 2021-22

S. No.	Type of Event	Title of Event	Name of the Coordinator	Resource Person Details	Date/s of the event	No. of Participants
1	Seminar	Climate Change Energy Swaraj &I"	Dr.A.S.S.Veerendra Babu	Prof.Chetan S.Solanki Prof IIT Bombay	23rd May,22	113
2	Workshop	Two day Workshop on MATLAB Programming /Simulation	Mr.M.Ravindra	Dr.G.Naresh Professor Pragati Engineering College	6th-7th May,22	56
3	Workshop	Two day Workshop on Outcome Based Education	Mr.D.Tata Rao	Prof R.Mahadevan Chairman, Aassaan Educare Foundation	16th -17th Feb, 22	65
4	Seminar	Role of Electric Vehicles in Smart Grid	Mr.Ch.U.P.Kumar	Dr.Mukesh Singh Associate Professor Thapar Institute of Technology	27th Dec, 2021	42

Academic Year 2020-21

S. No.	Type of Event	Title of Event	Name of the Coordinator	Resource Person Details	Date/s of the event	No. of Participants
1	Workshop	A four-day work shop on Bibliometric Analysis using Scopus Data Base	Mr.D.Tata Rao	Dr. Durgesh Nandan, Account Manager, CL Educate	26th April 2021 to 29th April 2021	60
2	Seminar	A Seminar on "Power Semiconductor Drives and Applications"	Mrs.K.Lakshmi	Dr Ch. Punya Sekhar, Associate Professor, Acharya Nagarjuna University	4-12-2020	60
3	Seminar	A Seminar on "Advanced Control Systems and Simulations"	Mr.M.Ravindra	Dr. M. Siva Kumar, Professor, EEE Department, Gudlavelleru Engineering College	12-12-2020	45
4	Seminar	Employability Skills required for students	Mr. Ch.U.P.Kumar	Sri Winny Patro Co-Founder & CEO of Recordent	27-03-2021	60
5	Seminar	Entrepreneur Challenges and Opportunities	Mr.D.Tata Rao	Mr.A.R.Arun KumarEntrepreneur, Business Trainer, President-Eminent Investment Services	21-10-2021	60
6	Seminar	A Seminar on "Intellectual Human values and Professional ethics in technical education"	Mr.D.Tata Rao	Dr.J.Hanumant Rao, Professor, ACET. Surampalem	17-12-2020	60

Academic Year 2019-20

S. No.	Type of Event	Title of Event	Name of the Coordinator	Resource Person Details	Date/s of the event	No. of Participants
1	Workshop	A Three day Workshop on Engineering Exploration Project	Mr.D.Tata Rao	Mrs. N. Sumathi Associate Professor Department of EEE, UCEK, JNTUK, Kakinada	13-11-2019 to 15-11-2019	36
2	Seminar	A Seminar lecture on "Power Semi-Conductors and Drives"	Mr.D.Tata Rao	Dr N. Jaya Ram, Associate Professor, National Institute of Technology, Andhra Pradesh	21-07-2019	50
3	Seminar	A Seminar on on "Advanced Control Systems"	Mr.Ch.U.P. Kumar	Dr. M. Siva Kumar Professor, EEE department, Gudlavelleru Engineering College	12/3/2020	62
4	Workshop	Three day college level Boot camp on Ideation and Venture creation	Mr.Ch.U.P. Kumar	Mr.K.B.S Tarun Kumar Intern Venture Coach APSSDC Tadepalli, Viajayawada	5-12-2019 to 07-12-2019.	74
5	Workshop	A four day workshop on "Intellectual Property Rights(IPR)	Mr.D.Tata Rao	Dr.PS.Ranjit Professor Dept. of Mechanical Engineering, Aditya Engineering College(A)	06-01-2020 to 09-01-2020	110
6	workshop	A Three day workshop on "Generate your Business Ideas	Mr.Ch.U.P. Kumar	Mr.K.B.S Tarun Kumar Intern Venture Coach APSSDC Tadepalli, Viajayawada	18-02-2020 to 20-02-2020	40

Academic Year 2018-19

S. No.	Type of Event	Title of Event	Name of the Coordinator	Resource Person Details	Date/s of the event	No. of Participants
1	Seminar	Entrepreneurship Development and Startups in India	Mr.D.Tata Rao	T. Bogeswara Rao, Industrialist, Chairman & Managing Director, TBR Group, Hyderabad	16-02-2019	150
2	Seminar	Seminar on Renewable Energy & Modern Trends in metering	Mr.D.Tata Rao	Mr. T.V.V.D.V Prasad, Deputy Executive Engineer, MRT Vigilance, Vidyut Soudha, AP TRANSCO	22-09- 2018	60
3	Seminar	A Seminar on "Modern Tools usage in Electrical Machines"	Mr.D.Tata Rao	Dr N. Jaya Ram, Associate Professor, National Institute of Technology, Andhra Pradesh	17-07-2018	50

4	Seminar	A Seminar on "Energy Audit and Conservation management"	Mr.Ch.U.P. Kumar	Dr M. Siva Kumar, Professor, EEE department, Gudlavelleru Engineering College	12/12/2018	45
5	Seminar	A Seminar on " Electrical Measurements & instrumentation"	Mrs.K.Lakshmi	Dr M. Siva Kumar, Professor, EEE department, Gudlavelleru Engineering College	1/24/2019	55
6	Seminar	A Seminar on "Detailed Study of Converters"	Mr.D.Tata Rao	Dr O. Chandra Sekhar, Professor, KL University	2/27/2019	60

D. Member of External Bodies/Agencies

(Like member in ED (Journals) / BoS / GB/ EC of Prof. Society etc.)

Sl. No.	Name of the Faculty	Name of the external body/ Agency	Position	Duration / Tenure
1	Dr.A.S.S.Veerendra Babu	Elsevier	Reviewer	Since 2019
		Taylor and Francis		
		Wiley		
		Hindawi		
		AITEES Springer Conference		2022
2	Dr.M.Ravindra	National Testing Agency	NTA-Observer	3 days 2021
		National Testing Agency	NTA-Observer	4 days 2022
		ASIONCON IEEE Conference	Session Chair	28th 20th August 2021
		AITEES Springer Conference	Reviewer	2022
		SMART GENCON IEEE Conference		2020
		IEEE Access Journal		2020
		Hindawi		2022
		Wiley, International Transactions on Electrical Energy Systems" Journal		2020
		WASET Scientific and Technical Committee & Editorial Review Board on Energy and Power Engineering	Committee member, Reviewer	since OCT 2018
3	Mr.Ch.UP.Kumar	WASET Scientific and Technical Committee & Editorial Review Board on Energy and Power Engineering	Committee member, Reviewer	since 2020
		Advances in Science Technology and Engineering System Journal	Editorial Board Reviewer	27 March 2020

E. Professional Society Memberships

Sl. No.	Name of the Faculty	Name of the Professional Society	Membership Number	Life/ Annual
1	Mr.K.Manoz kumar reddy	MISTE	LM 54949	Life
		IAENG	298713	
		MIETE	M-503038	
2	Dr.A.Ramesh	MISTE	LM 54947	Life
		MIETE	M-503040	
3	Dr.M.Ravindra	IAENG	226969	Life
		MIETE	M-503036	
4	Dr.A.S.S.Veerendra Babu	MISTE	LM 12111	Life
		IAENG	299545	
		AMIETE	M-503035	
5	Mrs.K.Lakshmi	MISTE	LM 121105	Life
		IAENG	226969	
		MIETE	AM-503027	
6	Mr.M.V.Kumar Reddy	MISTE	LM121116	Life
		IAENG	298302	
		AMIETE	AM-503028	
7	Mr.D.Tata Rao	MISTE	LM121104	Life
		IAENG	298791	
		AMIETE	AM-503023	
8	Mr.Ch.UP Kumar	MISTE	LM101844	Life
		IAENG	134262	
		AMIETE	AM-503008	
9	Mrs.T.Himaja	IAENG	297924	Life
		AMIETE	AM-503011	
10	Mrs. T.Padmaja Rani	IAENG	298624	Life
		AMIETE	AM-503010	
11	Mr.T.Lashmi Narayana	IAENG	298091	Life
		AMIETE	AM-503009	
12	Mr.Ch.Manoj	IAENG	299092	Life
		AMIETE	AM-503005	
13	Mr.M. Satyanarayana	IAENG	299077	Life
		AMIETE	AM-503017	

F. List of NPTEL and Other Courses Certification

Academic year 2020-21

S.No	Name of the Faculty	Name of the Course	Dates/ Duration	Remarks
1	Mr.K.Manoz Kumar Reddy	Solar Energy and Electrical System Design	28th july 2020/4 weeks	an online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera
2	Mr.K.Manoz Kumar Reddy	Introduction to Artificial Intelligence (AI)	8th july 2020/4 weeks	an online non-credit course authorized by IBM and offered through Coursera
3	Mr.K.Manoz Kumar Reddy	Machine Learning for All	21st july 2020/4 weeks	an online non-credit course authorized by University of London and offered through Coursera

4	Mr.K.Manoz Kumar Reddy	Solar Energy Codes, Permitting and Zoning	7th Aug 2020/4 weeks	an online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera
5	Mr.K.Manoz Kumar Reddy	Introduction to Electronics	10th june 2020/4 weeks	an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera
6	Mr.K.Manoz Kumar Reddy	Understanding Research Methods	4th june 2020/4 weeks	an online non-credit course authorized by University of London and SOAS University of London and offered through Coursera
7	Mr.K.Manoz Kumar Reddy	Solar Energy Systems Overview	20th july/4 weeks	an online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera
8	Mr.K.Manoz Kumar Reddy	Getting Started with AI using IBM Watson	11th july 2020/4 weeks	an online non-credit course authorized by IBM and offered through Coursera
9	Mr.Ch.U.P.Kumar	Electrical Power Systems	05-06-2020/ 4 weeks	online non-credit course offered by University of Buffalo and state university of New york
10	Mr.Ch.U.P.Kumar	Introduction and Programming with IoT Boards	7/09/2020/ 4 weeks	online non-credit course offered by Pohang University of Science and Technology and offered through Coursera
11	Dr.M.Ravindra	Electrical Power Systems	26-07-2020/ 4 weeks	online non-credit course offered by University of Buffalo and state university of New york
12	Dr.M.Ravindra	what is Data Science	07-07 2020/4 weeks	online non-credit course offered by IBM
13	Dr.M.Ravindra	Solar Energy and Electrical System Design	14-08-2020/weeks	online non-credit course offered by University of Buffalo and state university of New york
14	Dr.M.Ravindra	A Short course on " Learn to design your own Solar Home system"	14-09-2020	as a part of energy literacy drive of energy Swaraj foundation
15	Mr.M.V.Kumar Reddy	Electrical Power Systems	26-07-2020	online non-credit course offered by University of Buffalo and state university of New york
16	Mr. Y. Srinivas	Online short term training Programme on " Emerging Technologies in Electric Vehicles"	2nd August 2021 to 14th August 2021	Online Short term Course held in Bapatla Engineering College

Academic Year 2019-20

S.No	Name of the Faculty	Name of the Course	Dates/Duration	Remarks
1	Mr.K.Manoz kumar Reddy	Enhancing soft skills and personality	8 weeks	ELITE
2	Mr. K.Manoz kumar Reddy	Electrical Machines	12 weeks	ELITE
3	Mr.K.Manoz Kumar Reddy	Energy: The Enterprise	28th may 2019/4 weeks	
4	Mr.K.Manoz Kumar Reddy	Electric Power Systems	3rd may 2020/4 weeks	online non-credit course offered by University of Buffalo and state university of New york
5	Mr.K.Manoz Kumar Reddy	Safety in the Utility Industry	10th may 2020/4 weeks	an online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera

6	Mr.K.Manoz Kumar Reddy	Natural gas	9th may 2020	an online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera
7	Mr.K.Manoz Kumar Reddy	AI For Everyone	17th may 2020	an online non-credit course authorized by DeepLearning.AI and offered through Coursera
8	M.Ravindra	Introduction to smart Grid	8 weeks	NPTEL
9	M.Ravindra	DC Micro Grid	8 weeks	NPTEL
10	K.Lakshmi	Electrical Power Systems	03-05-2020/4 weeks	online non-credit course offered by University of Buffalo and state university of New york
11	M.V.Kumar Reddy	Fundamentals of Electric Drives	8 weeks	Elite
12	M.V.Kumar Reddy	Fundamentals of Electrical Engineering	12 weeks	Elite
13	M.V.Kumar Reddy	Basic Electric Circuits	12 weeks	Elite+Silver
14	M.V.Kumar Reddy	Electrical Machine-II	12 weeks	Covid-19 impacted January 2020 semester
15	M.V.Kumar Reddy	Basic Electrical Engineering Certification Test	04-08-2020	Secured Grade-A-Excellent (86% Marks)
16	M.V.Kumar Reddy	MATLAB Certification Test	04-08-2020	Secured Grade-A-Excellent (82% Marks)
17	Mr.D.Tata Rao	E-learning Program on Transformer	19-05-20/one week	
18	Mr.D.Tata Rao	Education Leadership	8 weeks	Elite-Silver
19	Mr.D.Tata Rao	Stress management	4 weeks	
20	Mr.D.Tata Rao	E-learning Program on Induction Motor	19-05-20/one week	
21	Mr.Ch.UP.Kumar	DC Micro Grid	8 weeks	Elite
22	Mr.Ch.UP.Kumar	Education Leadership	8 weeks	Elite-Silver
23	Mr.Ch.Manoj	Skills Enrichment Program	14th to 26th / 2 weeks	
24	Mr.Ch.Manoj	Electrical Power System	8th may 2020/ 4 weeks	an online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera

Academic Year 2018-19

S.No	Name of the Faculty	Name of the Course	Dates/Duration
1	Mr.D.Tata Rao	Effective Engineering Teaching in Practice	4 weeks
2	Mr.D.Tata Rao	Principles of HRM	8 weeks

3	M.V.Kumar Reddy	Electrical Distribution Systems & Analysis (EDSA)	8 Week
4	Mr.M. Satyanarayana Raju	Fundamentals of Electrical Engineering	12 weeks
5	Mr.M. Satyanarayana Raju	Control Engineering	12 weeks

5.6 Faculty as participants in Faculty development/training activities/STTPs (15)

Total Marks: 15.00
Institute Marks: 15.00

A Faculty scores maximum five points for participation

Participation in 2 to 5 days Faculty development program: 3 Points

Participation > 5 days Faculty development program: 5 points

Name of the Faculty	**Max. 5 per Faculty**		
	2020-21	2019-20	2018-19
Mr.K.Manoz Kumar Reddy	5	5	5
Dr. A. Ramesh	5	5	5
Dr. M. Ravindra	5	5	0
Mr.D.TataRao	5	5	5
Mrs. K. Lakshmi	5	5	3
Mr.Ch.U P Kumar	5	5	3
Mr. B.S.G.V. Surya Subramanya	5	5	3
Mr. A.G.V. Chiranjeevi	5	3	0
Mr.M.V.Kumar Reddy	5	5	5
Mr.M.Satyanarayanaraju	5	5	3
Mrs.V.Naga Lakshmi	5	5	5
Mrs T.Himaja	3	3	0
Mr.Ch.Manoj	3	3	0
Mr.GaddamChakramanikanteswararao	5	0	0
Mr.P.Srinivas	5	0	0
Sum	71	59	37
RF= No. of Faculty required to comply with 15:1 student-faculty ratio as per 5.1	20.30	22.20	22.80
Assessment = 3x(Sum / 0.5RF) (Marks limited to 15)	20.0	15.95	9.74
Average Assessment over three years (Marks limited to 15)=	15.23		

Average Assessment over three years: 15.23

5.7 Research and Development(30)

5.7.1 Academic Research (10) Institute Marks: 10.00

Academic research includes research paper publications, Ph.D. guidance, and faculty receiving Ph.D. during the assessment period.

- *Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (6)*
- *Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute (4)*

All relevant details shall be mentioned.

Department provides advisory support in selecting the R & D proposals for implementing R & D activities through analysis of technological trends and identification of thrust areas.

- R&D Committee in ACOE informs the faculty members about various research schemes that are offered by the various government and other funding agencies.
- Department Encourages faculty members to submit their research project proposals to the funding agencies.
- ACOE Provides financial assistance to the faculty members to publish/present research papers in journals/conferences.
- Department Promotes Research culture among the staff by conducting special sessions by eminent researchers in those areas.
- Faculty members in the department are encouraged to register for Ph.D
- Department follows its Code of Ethics to check Plagiarism and uses **ithenticate** Plagiarism Software.

5.7.1 –A. Ph.D. awarded during the assessment period while working in the institute

Sl. No.	Name of the Faculty	Title of the Ph.D topic	Name of the University	Name of the Guide	Date of Enrolment	Date of award
1.	Dr.A.Ramesh, Professor. Aditya College of Engineering	Development and Performance Analysis of a Hybrid Multi level Inverter Topology for PV- Power Generation System	KL University	Dr.O Chandra Sekhar Professor, NIT (J&K)	2013	2018 Sept

5.7.1 B. Faculty Pursuing PhD

Sl. No.	Name of the Faculty	Title of the Ph. D topic	Name of the University	Name of the Guide	Date of Enrolment	Date of Award
1	Mr. K.Manoz Kumar Reddy	Power Control using UPFC	Jawaharlal Nehru Technological University Kakinada	1.Dr. A.Kailasarao 2.Dr.R Srinivasarao	26/06/2010	Pursuing
2	Mr.Ch.UP. Kumar	Role of Embedded Controllers in Smart Grids	KL University	Dr.M.Kiran Kumar	5/07/2017	Pursuing
3	Mr.T. Lakshmi narayana	Power System Protection Using Phasor Measurement Units	Jawaharlal Nehru Technological University Kakinada	Dr.N.Sumathi	28/04/22	Pursing

4	Mr.M.Satyanaray ana Raju	Energy Management Systems in Electrical Vehicles	Jawaharlal Nehru Technological University Kakinada	Dr.K.Venkata Reddy	28/04/22	Pursuing

5.7.1 C. Publication Details Journals/Conference/Book

Year	International Journals		Inter National Conferences	Patents	Book Chapters/ Books	Total Number of Publications
2021-22	11	SCIE-1 ESCI/Scopus-4 Peer reviewed-6	6	3	3	22
2020-21	12	SCIE-5 ESCI/Scopus-4 Peer reviewed-3	7	3	5	22
2019-20	8	ESCI/Scopus-6 Peer reviewed-2	3	1	2	12
2018-19	5	ESCI/Scopus-1 Peer reviewed-4	1	-	-	6

A.Y. 2021_22 International Journals

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ ISSN Numberr	Vol/ Month	Index No UGC/ SCOPUS	URL /DOI
1	Mr.K.Manoz Kumar reddy	Optimal Siting and sizing of of unified power flow controller using sensitivity constrained differential evolution algorithm	International Journal of Electrical and Computer Engineering	2008-8708	Vol 12,no.5 2022	Scopus Indexed	http://doi.org/10.11591/ijece.v12i5.pp4680-4687
2	Dr.A.S.S. Veerendra babu	Electric vehicles charging in India: Infrastructure planning and policy aspects	Energy Storage, Wiley Publications	2578-4862	e335	Web of Science ESCI Indexed	https://doi.org/10.1002/est2.335
3	Dr.M.Ravindra	RA 123 s: Three metaphor less Algorithms for Economic Load Dispatch Solution	Journal of Electrical Engineering & Technology(Springer)	1975-0102	Oct 2021	Web of Science (SCIE)	https://doi.org/10.1007/s42835-021-00922-2
4	Dr.A.Ramesh	Optimal Capacitor Placement - A Bibliometric Survey	Library Philosophy and Practice (e-journal)	1522-0222	June 2021	Scopus	https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=10857&context=libphilprac

5	Mrs.K.Lakshmi	Load Flow Solution of Distribution Systems - A Bibliometric Survey	Library Philosophy and Practice (e-journal)	1522-0222	July 2021	Scopus	https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=11203&context=libphilprac
6	Mr.D.Tata Rao	New Control Strategy Based Photovoltaic Water Pumping System Using BLDC Motor Drive	International Journal of Emerging Technologies and Innovative Research	2349-5162	Dec 2021	Peer reviewed	https://www.jetir.org/papers/JETIR2112103.pdf
7	Mr. U.P.Kumar, Mr.K.Manoz Kumar Reddy	Energy management system for hybrid electrical vehicle using a bidirectional dc/dc converter using fuzzy logic controller	International Journal of Emerging Technologies and Innovative Research	2349-5162	Dec 2021	Peer reviewed	https://www.jetir.org/papers/JETIR2112100.pdf
8	Mr. U.P.Kumar, Mr.K.Manoz Kumar Reddy	Improvement of power quality in residential home using FLC based multilevel inverter	International Journal of Emerging Technologies and Innovative Research	2349-5162	Dec 2021	Peer reviewed	https://www.jetir.org/download1.php?file=JETIR2112101.pdf
9	Mr.M. Satyanarayana Raju	Power Factor Improvement in Rectifier Based Electric Vehicle Charger and Harmonic Reduction	The International journal of analytical and experimental modal analysis	0886-9367	Nov 2021	Peer reviewed	https://drive.google.com/file/d/1P3WKJOU0xY02Q9oxgQfAQzCZp7-9dDO8/view
10	Dr.M.Ravindra, Mr.K.Manoz Kumar Reddy	Design and Performance Analysis of 3-Phase Solar PV Integrated UPQC	International Journal of Emerging Technologies and Innovative Research	2349-5162	Dec 2021	Peer reviewed	https://www.jetir.org/papers/JETIR2112122.pdf
11	Mrs.K.Lakshmi, Mr.K.Manoz Kumar Reddy	Power Management and Control of Fuel Cell based Hybrid Microgrid with Interlinking Converter	Science, Technology and Development	0950-0707	Vol11.no6	Peer reviewed	http://journalstd.com/gallery/74-june2022.pdf

Academic Year 2020-21 International Journals

Sl. No	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ ISSN Number	Vol/ Month	Index No UGC SCOPUS	URL/ DOI
1	Dr.A.S.S. Veerendra Babu	Hybrid power management for fuel cell/ supercapacitor series hybrid electric vehicle	International Journal of Green Energy	1543-5083	18(2),26/ 01/ 2021	Science Citation Index Expanded (SCIE)	https://doi.org/10.1080/15435075.2020.1831511
2	Mr.A.S.S. Veerendra Babu	Modelling and simulation of dual sourced front-end converter for Hybrid electric vehicles	International Journal of Ambient Energy	2162-8246	17/01/2020	Scopus	https://doi.org/10.1080/01430750.2020.1712245
3	Dr.A.S.S. Veerendra Babu	A novel fault-detection methodology of proposed reduced switch MLI fed induction motor drive using discrete wavelet transforms	International Transactions on Electrical Energy Systems	2050-7038	e12820,4/ 2021	Science Citation Index Expanded (SCIE)	https://doi.org/10.1002/2050-7038.12820
4	Dr.A.Ramesh	Thirteen and Twenty-one level Hybrid H-Bridge Multilevel Inverter Topology for Grid Connected System	International Journal of Grid and Distributed Computing	2005-4262	vol.13/july 2020	Web of Science(ESCI)	http://sersc.org/journals/index.php/IJGDC/article/view/27892
5	Mr.K.Manoz kumar reddy	Design and simulation of high voltage gain current fed full bridge voltage doubler converter fed multi-level inverter for fuel cell powered electric vehicle	International journal of emerging trends in engineering research	2347-3983	September 2020	Scopus	10.30534/ijeter/2020/207892020
6	Mr.A.S.S. Veerendra Babu	Minimization of total harmonic distortion and enhancing voltage level for hybrid multi-level converter with different sources	Advanced control for applications: Engineering and Industrial systems	2578-0727	2(4), e58/5/11/ 2020	INSPEC (IET) (Proquest)	https://doi.org/10.1002/adc2.58
7	Dr.A.S.S. Veerendra Babu	Digital Fuzzy Current Controlled Light-Emitting Diode Driver with Power Factor Correction	International Journal of Photo energy	1687-529X	6618284, March 2021	(SCIE)	https://doi.org/10.1155/2021/6618284
8	Dr.A.S.S. Veerendra Babu	Wavelet Transform Based Fault Identification and Reconfiguration for	Electronics	2079-9292	10(9), January 2021	(SCIE)	https://doi.org/10.3390/electronics

		a Reduced Switch Multilevel Inverter Fed Induction Motor Drive					1009102 3
9	Dr.A.S.S. Veerendra Babu	Modeling and analysis of hybrid multilevel converter for constant DC and fuel cell sources	Energy Storage	2578-4862	e193, August	Web of Science (ESCI)	- https://doi.org/10.1002/est2.193
10	Dr.A.S.S. Veerendra Babu	Performance analysis of distributed power flow controller with ultra-capacitor for regulating the frequency deviations in restructured power system	Journal of Energy Storage	2352-152X	Volume 31, October 2020	(SCIE)	https://doi.org/10.1016/j.est.2020.101676
11	Mr.D.Tata Rao	Novel Repetitive Control Technique for Three Phase Four Wire Shunt Active Power Filter	International Journal of Science Engineering and Advance Technology	2321-6905	Vol. 9, Issue5, May, 2021.	Peer reviewed	http://www.ijseat.com/index.php/ijseat/article/view/1237
12	Ch.U.P. Kumar	Grid connected PV inverter obtaining power from PV arrays in different Environmental conditions	International Journal of Science Engineering and Advance Technology	2321-6905	Vol. 9, Issue5, May, 2021.	Peer reviewed	http://www.ijseat.com/index.php/ijseat/article/view/1238

Academic Year 2019-20 International Journals

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ ISSN Number	Vol/ Month	Index No UGC/ Scopus	URL/DOI
1	Dr.A.Ramesh	Simulation and Prototype Implementation of Hybrid H-bridge MLI with Minimum Switches	International Journal of Engineering and Advanced Technology	2249-8958	Vol.8, no.6S2, August 2019	Scopus	https://www.ijeat.org/wp-content/uploads/papers/v8i6S2/F12100886S219.pdf
2	Mr. K.Manoz kumar reddy	Critical Line based Optimal Allocation of UPFC to improve Voltage Stability of the system	International Journal of Recent Technology and Engineering	2277-3878	Volume -8 Issue-6, March 2020	Scopus	https://www.ijrte.org/wp-content/uploads/papers/v8i6/F7617038620.pdf
3	Dr.M.Ravindra	Complete Observability Constrained Deployment of PMUs in Power System Network: Using an Upgraded Binary Grey Wolf	International Journal of Future Generation Communication and Networking	2233-7857	Vol. 13 No. 1 2020	web of Science (ESCI)	http://www.sersc.org/journals/index.php/IJFGCN/article/view/8105/4611

		Optimization Algorithm Approach					
4	K.Manoz Kumar Reddy	Histogram pattern and Kalman filter approach based real time object recognition and tracking system	Journal of critical reviews	2394-5125	vol 7, issue 6,April 2020	Scopus	10.31838/jcr.07.06.226
5	Mr.K.Manoz Kumar Reddy	Analysis of level shifted carrier PWM methods for 25-level Cascaded H Bridge Inverter in MATLAB/ Simulink	International journal of future generation communication and networking	2233-7857	Vol. 13 No. 3 (2020)	web of Science (ESCI)	http://www.sersc.org/journals/index.php/IJFGCN/article/view/30750/17073
6	U. P. Kumar Chaturvedula, M.Ravindra	Power Congestion Control Considering UPFC to Enhance Voltage Stability of the System	International Journal of Engineering and Advanced Technology	2249-8958	Vol.9 no.3, 2020	Scopus	https://www.ijeat.org/wp-content/uploads/papers/v9i3/C58020209320.pdf
7	Mr.U. P. Kumar Chaturvedula,	Fuzzy based energy management in PV-battery hydro based micro grid	Journal of Emerging Technologies and Innovative Research	2349-5162	Vol. 6, no. 6,June 2019,	Peer reviewed	https://www.jetir.org/papers/JETIR1906V78.pdf
8	T.Padmaja Rani	Control and Analysis of Micro Grid Frequency Droop with Fuzzy based WECS with EV	International journal of engineering sciences	0377-9254	Vol 11, Issue 1, Jan / 2020	Peer reviewed	10.15433/JES

Academic Year 2018-19 International Journals

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ ISSN Number	Vol/ Month	Index No UGC/ Scopus	URL/DOI
1	Dr.M.Ravindra	State Estimation Solution with Optimal Allocation of Phasor Measurement Units Considering Zero Injection Bus Modeling	International Journal of Electronics and Communication Engineering	2010 376X	Vol:12, No:11, 2018	Peer reviewed	https://publications.waset.org/10009739/pdf
2	Dr.M.Ravindra	PFC CUK Converter for BLDC Motor Drives	International Journal of Management, Technology and Engineering	2249-7455	vol.8, no.12, pp.5039-5048	Peer reviewed	http://ijamtes.org/gallery/572-dec.pdf
3	Mr.K.Manoz Kumar Reddy	Regulation Of Power Flow by Unified Power Flow Controller	Journal of Emerging Technologies and Innovative	2349-5162	vol.5, no.6, pp. 418-422	Peer reviewed	https://www.jetir.org/papers/JETIR

			Research				C006073.pdf
4	Mr.D.Tata Rao	Advanced Grid Current Compensator For Distributed Generation Under Nonlinear Loads And Voltage Distortion	International Journal of Engineering development and research	2321-9939	Volume 6,Issue 1	Peer reviewed	http://www.ijedr.org/papers/IJEDR1801080.pdf
5	Mr.Ch UP. Kumar	Optimal Capacitor Placement in Radial Distribution Systems Using Flower Pollination Algorithm	International Journal of Research and Scientific Innovation	2321–2705	Vol 5. no 8	Peer reviewed	https://www.rsisinternational.org/journals/ijrsi/digital-library/volume-5-issue-8/74-79.pdf

Academic Year 2021_22 Research Publications (Conference papers/Posters)

Sl. No	Name of the Faculty as Author	No of Authors	Title of the Paper	Name of the Conference	Dates	Organized by with location	ISBN / ISSN Number	URL /DOI
1	Dr.A. Ramesh	4	Study of different techniques to mitigate temporary overvoltage in photovoltaic system	First International Conference on Design and Materials (ICDM)-2021	26–27 December 2021	Department of Design (DoD) at Delhi Technological University (DTU), Delhi, India.	2214 7853	https://doi.org/10.1016/j.matpr.2021.09.370
2	Dr.A. Ramesh	4	Circuit analysis and modelling of dual active bridge bidirectional converter	First International Conference on Design and Materials (ICDM)-2021	26–27 December 2021	Department of Design (DoD) at Delhi Technological University (DTU), Delhi, India.	2214 7853	https://doi.org/10.1016/j.matpr.2021.09.370
3	Dr.A. Ramesh	4	Design of sliding mode controller for induction motor drive	First International Conference on Design and Materials (ICDM)-2021	26–27 December 2021	Department of Design (DoD) at Delhi Technological University (DTU), Delhi, India.	2214 7853	https://doi.org/10.1016/j.matpr.2021.09.370
4	Dr.M. Ravindra	5	Optimal allocation of Micro Phasor Measurement Units in Distribution	5th international conference on Communication, Devices & Networking(I	15th - 16th Dec 2021	Dept of Electronics and Communication Engineering, Sikkim	1876-1100	In Press

			Network considering security Constraints	CCDN 2021)		Manipal institute of Technology, India		
5	Dr.M. Ravindra	5	Sensitivity based Allocation of FACTS devices in a Transmission system considering Differential Analysis"	Artificial Intelligence Techniques for Electrical Engineering Systems(AITE ES-2022)	6th-7th May, 2022.	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	--	In Press
6	Dr.A.S.S. Veerendra Babu	6	"Modelling in Simulation of Hybrid Boosting Converter for Fuel Cell Applications	Artificial Intelligence Techniques for Electrical Engineering Systems(AITE ES-2022)	6th-7th May, 2022	Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College(A)	--	In Press

Academic Year 2020_21Research Publications (Conference papers/Posters)

Sl. No.	Name of the Faculty as Author (Main Author)	No of Authors	Title of the Paper	Name of the Conference	Dates	Organized by with location	ISBN/ ISSN Number	URL/ DOI
1	Dr.M. Ravindra	4	Critical bus ranking constrained Optimal allocation of PMUs for Network Observability	International Conference on Research in Science, Engineering, Technology and Management-2020	28-Dec-2020	Vagdevi college of Engineering, Warangal, Telengana, India	22147853	https://doi.org/10.1016/j.matpr.2021.03.376
2	Mr.K. Manoz Kumar reddy	3	Optimal deployment of UPFC based on critical bus ranking using an effective PSO Algorithm	International Conference on Research in Science, Engineering, Technology and Management-2020	28-Dec-2020	Vagdevi college of Engineering, Warangal, Telengana, India	22147853	https://doi.org/10.1016/j.matpr.2021.03.326
3	Dr.A. Ramesh	5	Model-Order Reduction and Reduced Controller Design Using Routh Approximation and Factor Division Method	3rd International conference on Computing and Communication (IC3-2020)	13th and 14th july 2020	Sikkim Manipal Institute of Technology, Sikkim	978-981-15-7394-1	https://doi.org/10.1007/978-981-15-7394-1_16
4	Dr.A. Ramesh	5	Optimization of Fuzzy Inference System Using Genetic Algorithm	3rd International conference on Computing and Communication (IC3-2020)	13th and 14th july 2020	Sikkim Manipal Institute of Technology, Sikkim	978-981-15-7394-1	https://doi.org/10.1007/978-981-15-7394-1_21

5	Mrs.T. Himaja	3	Design and Analysis of AC-DC Power Factor Correction Converter	6th International Conference for Convergence in Technology (I2CT)	4th April 2021	Sinhgad Institute of Technology Lonavala and Siddhant Group of Institutes	978-1-7281-8876-8	10.1109/I2CT51068.2021.9417937
6	Mrs.T. Himaja	3	Study of soft-starter based Induction generator for Wind Energy Conversion system	2021 Asian Conference on Innovation in Technology (ASIANCON)	28th to 29th Aug 2021	Pimprichinchwad Education trust, Pimprichinchwad college of Engineering & Research, Pune	Pune, India	10.1109/ASIANCON51346.2021.9544993
7	Mr. A.S.S. Veerendra Babu	4	An Improved Efficiency of Solar Photo Voltaic System Applications by Using DC-DC Zeta Converter	National Conference for Postgraduate Research (NCON-PGR)-2020	9th Dec 2020	Institute of Postgraduate studies (IPS), Universiti Malaysia Pahang	Malaysia, Kuantan	https://ncon-pgr.ump.edu.my/index.php/en/

Academic Year 2019_20 Research Publications (Conference papers/Posters)

Sl. No	Name of the Faculty as Author	No of Authors	Title of the Paper	Name of the Conference	Date	Organized by with location	ISBN/ISSN Number	URL/DOI
1	Dr. M.Ravindra	5	Necessity of Power System State Estimation: A Generalized Linear State Estimation with application of PMU measurements	In 4th international conference on innovations in Electrical and Electronics Engineering (ICIEEE-2019)	26th, 27th July 2019	Guru Nanak Institutions Technical Campus Hyderabad	978-981-15-2256-7	https://doi.org/10.1007/978-981-15-2256-7_43
2	Dr. M.Ravindra	4	"A Sensitive based approach for optimal allocation of OUPFC in under single line contingencies	5th International conference on Micro Electronics Electromagnetics and Telecommunications (ICMEET-2019)	6th 7th Dec 2019	Department of Electronics and Communication Engineering, Raghu Institute of Technology	978-981-15-3828-5	https://doi.org/10.1007/978-981-15-3828-5_11
3	Mr.K. Manoz Kumar Reddy	5	Fractional-Order Extremum Seeking MPPT for Photovoltaic System	International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy. Jan 2021	5th Mar 2020	KIIT School of Electrical Engineering	978-981-15-7511-2	https://doi.org/10.1007/978-981-15-7511-2_28

Academic Year 2018—19 Research Publications (Conference papers/Posters)

Sl. No	Name of the Faculty as Author	No of Authors	Title of the Paper	Name of the Conference	Dates	Organized by with location	ISBN/ISSN Number	URL/ DOI
1	Dr.A. Ramesh	3	Simulation and Prototype Implementation of Hybrid H-bridge MLI with Minimum Switches	First International Conference on Computational and Intelligent Techniques for Automation of Engineering System	Dec 1 2018	Gudlavalleru Engineering College, Gudlavalleru Vijayawada.	2249 – 8958	https://www.ijeat.org/wp-content/uploads/papers/v8i6S2/F12100886S219.pdf

Academic Year 2021-22 List of Patents

Sl. No.	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Dr.A.Ramesh	Agri-Tech Farming Revolution For Using PLC Solar Water and Fertilizers Pump with New Altered-Nozzle	Computer science	Published on 05/11/2021	Intellectual Property India
2	Dr.A.Ramesh	Body Vitals Monitoring Smart Mobility Assistance Walker	Bio-Medical Engineering	Published on 04/02/2022	Intellectual Property India
3	Mr.Ch.UP Kumar	IOT Based Automated Green Energy Management of Public Gardens	Electrical & Agricultural	Granted on 2nd Nov 2021	Australian Government IP Australia

Academic Year 2020-21 List of Patents

Sl. No.	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Mr.K.Manoz Kumar Reddy	Safe Driving and Accident Prevention using wireless transmitter Traffic control	Electronic Communication Engineering	Published on 31/07/2020	Intellectual Property India
2	Dr.M. Ravindra	Multimodal fuzzy logic based variable pitch angle control system for wind turbines	Mechanical Engineering	Published on 04/09/2020	Intellectual Property India
3	Dr.M. Ravindra	Machine Learning Based Smart Electric Vehicle Battery Management System	Computer Science Engineering	Published on 06/11/2020	Intellectual Property India

Academic Year 2019-20 List of Patents

Sl. No.	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Mr.K.Manoz kumar reddy	IHY-Pridiction Intelligent System and method for advanced harvest yield prediction using IOT based Technology	Computers	published on 10.1.2020	Intellectual Property India

Academic Year 2021_22 Books Published

S.No.	Name of the Faculty as Author	Title of the Book	Published Dates	ISBN/ ISSN Number	Publisher	URL/ DOI
1	Dr.M.Ravindra Mr.K.Manoz Kumar Reddy Mr.D.TataRao	Power Congestion Management in Transmission Network using FACTS device: A MATLAB/Simulation Study	Feb 3, 2022	978-6138969266	Scholar Press Publications	https://www.amazon.es/Congestion-Management-Transmission-Network-device/dp/613896926X
2	Dr.A.Ramesh Dr.M.Ravindra	Simplified Model of Micro Grid Connected with PV System: study for 24 hours of a typical day	Feb 3, 2022	978-6204740881	Lambert Publications	https://www.amazon.es/Simplified-Model-Micro-Connected-System/dp/6204740881/
3	Dr.M.Ravindra Dr.R.Srinivasa Rao	State estimation solution with optimal allocation of PMUs	Feb 7 2022	978620470782	Lambert Publications	https://www.bookdepository.com/State-Estimation-Solution-With-Optimal-Allocation-PMU-devices-Ravindra-Manam/9786204740782

Research Publications – Book & Book Chapters

Academic Year 2020-2021

Sl. No	Name of the Faculty Author	No of Authors	Title of the Book Chapter	Name of the Publisher	ISBN Number	URL
1	Dr. A.Ramesh	5	Model-Order Reduction and Reduced Controller Design Using Routh Approximation and Factor Division Method	Springer, Singapore.	978-981-15-7394-1	https://doi.org/10.1007/978-981-15-3828-5_11
2	Dr.A.Ramesh	5	Optimization of Fuzzy Inference System Using Genetic Algorithm	Springer, Singapore	978-981-15-7394-1	https://doi.org/10.1007/978-981-15-7394-1_21
3	Dr.M.Ravindra	4	A Sensitivity Based Approach for Optimal Allocation of OUPFC Under Single Line Contingencies	Springer, Singapore.	978-981-15-3828-5	https://doi.org/10.1007/978-981-15-3828-5_11
4	Mr.A.S.S Veerendra Babu	4	An Improved Efficiency of Solar Photo Voltaic System Applications By Using DC-DC Zeta Converter	Springer, Singapore.	978-981-15-2316-8	https://doi.org/10.1007/978-981-15-2317-5_62
5	Mr.Ch. U. P. Kumar	4	Fractional-Order Extremum Seeking MPPT for Photovoltaic System	Springer, Singapore.	978-981-15-7510-5	https://doi.org/10.1007/978-981-15-7511-2_28

Academic Year 2019-2020

Research Publications – Book & Book Chapters

Sl. No	Name of the Faculty Author	No of Authors	Title of the Book Chapter	Name of the Publisher	ISBN Number	URL
1	Dr.M.Ravindra	5	Necessity of Power System State Estimation: A Generalized Linear State Estimation with application of PMU measurements	Springer, Singapore	978-981-15-2256-7	https://doi.org/10.1007/978-981-15-2256-7_43
2	Dr.M.Ravindra	3	A Binary Harmony Search Algorithm Approach for Security Constrained Allocation of PMUs to Obtain Complete Observability	Springer, Singapore	978-981-13-8618-3	https://doi.org/10.1007/978-981-13-8618-3_4

5.7.2 Sponsored Research (5)

Institute Marks: 4.00

Funded Research:

(Provide a list with Project Title, Funding Agency, Amount and Duration)

Funding amount (Cumulative during the assessment years)

Amount > 20 Lacs – 5 Marks

Amount>=16 Lacs and <20 lacs – 4 Marks

Amount>=12 Lacs and <16 lacs – 3 Marks

Amount>=8 Lacs and <12 lacs – 2 Marks

Amount>=4 Lacs and <8 lacs – 1 Marks

Amount < 4 lacs – 0 Mark

2019-20

Project Title	Duration	Funding Agency	Amount	Action
Mission Eco Next: Nurturing eco next challenge	1 Year	National council for Science and Technology Communication	18,09,786.00 Rupees	Ongoing

5.7.3 Development Activities (10)

Institute Marks: 10.00

Provide details

- Product Development:
- Research laboratories:
- Instructional materials:
- Working models/charts/monograms etc.:

Product Development

Sl. No.	Name of the Faculty	Title of the Product developed/ still in incubation	Total cost	No of faculty /student involved
1	Mr.Manoz Kumar Reddy	AI Based Multitasking Humonoid Robot	1,50,000	6
2	Dr. A.S.S.Veerendra Babu	Visitors Battery Vehicle	3,50,000	5
3	Dr.M.Ravindra	Smart Billing System	10,000	6
4	Dr. A.S.S.Veerendra Babu	Cost effective based electrical bike(E-Bike) from scrap	26,160	5
5	Mrs.T.Himaja	Hybrid Power Generation	10,000	6

Humonoid Robot

Hybrid power generation

E-Bike

smart Power billing

Visitors Battery Vehicle

- **Research Laboratories**

Available Research lab Floor area 144 square metres

Laboratories available for Research work

1. Electrical Simulation Laboratory equipped with 40 systems having MATLAB Installed.
2. Power Electronics & Drive Laboratory
3. Modern Power Systems Lab
4. AC and DC machines Lab
5. Electrical Circuits Workshop Lab
6. Electric Measurements and Testing Lab

Equipment available in Research Lab

Sl. No.	Name of the facility	Specification	Quantity	Amount	Date of purchase
1	Computers	Core TM i3-3220 3.30GHz, DDR-3 4X2=8GB RAM, ZEBRONICS(ZEB-H61) Chipset, WD 320GB HDD, HP C2500 USB 104 Keys Keyboard, Mouse Combo COMPAQ B191 19" LED Monitor.	40	1200000.00	27-12-2018
2	Power angle characteristics of three phase alternator with infinite bus bars	5HP DC Motor Coupled to 3-KVA Alternator with 10Amp dimer, 3-point starter, 2DC voltmeter, 2DC Ammeter,1 AC Voltmeter & Ammeter with all terminals	1	2,73,230	02-03-2016
3	MATLAB-2016A	MATLAB 9.0, Simulink 9.0, Simscape 3.11, SimElectronics 2.5, Fuzzy Logic Toolbox 2.2.19, Signal Processing Tool Box 5.6, DSP System Tool box 6.21, Communication System Tool box 5.6, Image Processing Tool Box 9.0, Partial Differentiation Tool box 1.4, Optimization Tool Box 7.0	5	194,822	15-12-2016
4	Xilinex Vivado System Edition (software)		1	11,86,437.50	06-09-2019

- **Instructional Materials**

  - Instructional material in theory courses
  - Lab Manual of lab courses
  - Question Banks comprising of indicative set of questions are given to students in all theory courses as mandatory practice

S No.	Name of the faculty	Name of the Course	Theory/ Lab/add on/others	Targeted audience
1	Mr.K.Manoz Kumar Reddy	Electrical Machines-I	Theory	60
2	Mr. Satyanarayana Raju	DC Machines and Transformers	Theory	60
3	T.Himaja	Digital Electronics	Theory	60
4	Mr.Satyanarayana Raju	Electrical Machines-I	Lab	60
5	Mr.K.Manoz Kumar Reddy	Power System Analysis	Theory	60
6	Mrs.K.Lakshmi	Switch Gear &Protection	Theory	60
7	Dr.M.Ravindra	HVDC transmission Systems	Theory	60
8	Mr.A. G V Chiranjeevi	Electrical Measurements and Instrumentation,	Theory	60
9	Mr.Y.Srinivas	Switching Theory Logic Design	Theory	

10	Mr.A. G V Chiranjeevi	Renewable Energy Sources	Theory	60
11	Mr.M.V.Kumar Reddy	Electrical Distribution systems	Theory	60
12	MrsK.Lakshmi	Electrical Measurements	Lab	60
13	Dr.M.Ravindra	Power system Operation & Control	Theory	60
14	Mr.P.Srinivas	Power systems-II	Theory	60
15	Mrs.T.Himaja	Control system	Lab	60
16	Mr.D.Tata Rao	Electro-Magnetic Fields	Theory	60
17	Mr.Ch.U.P.Kumar	Power Systems-I	Theory	60
18	Mr.D.Tata Rao	Basic Electrical Engineering	Theory	60
19	Mrs.K.Lakshmi	Digital Control Systems	Theory	60
20	Mr.M.V.Kumar Reddy	Utilization of Electrical Energy	Theory	60
21	K.Manoz Kumar Reddy	Electrical Machines –II	Theory	60
22	Mr.B.V S S Gopal	Instrumentation	Theory	60
23	Mr.B.V S S Gopal	FACTS	Theory	60
24	Mr.M.Satyanarayana Raju	Electrical Machines-I	Lab	60
25	Mrs.T.Himaja	Power Electronics	Theory	60
26	Mrs.T.Padmaja	Power Electronics & Drives	Theory	60
27	Mr.Ch.Manoj	Electrical Circuit Analysis-II	Theory	60
28	Mr.Ch.Manoj	Electric circuits Lab	Lab	60
29	Mr.Ch. U P Kumar	Energy Audit Conservation & Management	Theory	60
30	Mr.Ch. U P Kumar	Special Electrical Machines	Theory	60
31	Dr.M.Ravindra	Electrical simulation lab	Lab	60
32	Mr.M.Satyanarayana Raju	Power system operation and control	Theory	60
33	Dr.M.Ravindra	Signals & systems	Theory	60
34	Mr.Ch.Manoj	Electrical Circuit Analysis-I	Theory	60
35	Mr.Ch.U.P.Kumar	Power systems and simulation	Lab	60
36	Mrs.T.Himaja	Power electronics Lab	Lab	60

- **Working Models/charts/Monograms**
  Several working models and charts for performing experiments are being displayed in the department and laboratories
  Some Working models proposed by students in Final Year Project

Academic Year 2021-22

Sl. No.	Name of the Faculty	Title of the Working models	Total cost	No of faculty /student involved
1	Dr. A.S.S.Veerendra Babu	Design and Implementation of Transformer Health monitoring using IoT	10,000	4
2	Mrs. T. Padmaja Rani	An IoT based automated communication system for paralyzed patient using simple hand gestures	10,000	4
3	Mr M.Satyanarayana Raju	Cost effective model of electrical bicycle	12,050	5
4	Mr.Ch.U.P.Kumar	Bike Locking System Using IOT	10,000	5

Academic Year 2020-21

Sl. No.	Name of the Faculty	Title of the Working models	Total cost	No of faculty /student involved
1	Mrs. K.Lakshmi	Speed control of BLDC motor using Bluetooth and Android Technology	10,000	4
2	Mrs. T.Himaja	Induction motor parameters monitoring and controlling using IOT technology	10,000	4
3	Mr.M.V.Kumar Reddy	Arduino based electrical substation monitoring system	10,000	4
4	Mr.M.Satyanarayana Raju	Transmission line fault detection and indication to electricity board using GSM	10,000	4

Academic Year 2019-20

Sl. No.	Name of the Faculty	Title of the Working models	Total cost	No of faculty /student involved
1	Mr.D. Tata Rao	Automatic Waste Segregation system for Industries	10,000	5
2	Mr.M.V.Kumar Reddy	Integration of Photovoltaic cell and footstep power generation for Agricultural and street light applications	10,000	5

3	Mr.Ch.Manoj	PV based auto irrigation system by using GSM technology	10,000	5
4	Mrs.T.Himaja	Smart prepaid Energy meter with Tampering protection and SMS based notification	10,000	4

Academic Year 2018-19

Sl. No.	Name of the Faculty	Title of the Working models	Total cost	No of faculty /student involved
1	Mr.U.P.Kumar	Smart Helmet for safe driving & prevention of Road accidents	10,000	5
2	Mr.P.Bala Krishna	Intelligent door handling by automation	10,000	5
3	Mr. D.Tata Rao	Automatic Ration Acquisition System	10,000	5
4	Mr.P.Sri Venkatesh	Automatic Power Factor Correction By Micro Controller	10,000	5
5	Mr.P.SriVenkatesh	Implementation of Anti-Lock Breaking System Using Fuzzy Logic Control	10,000	5

5.7.4 Consultancy (5)

Institute Marks: 5.00

Aditya College of Engineering under sarojini educational society is equipped with 500 KW solar power plant and following solar units are generated yearwise and exported to APSEB

Project Title	Duration	Funding agency	Amount
Solar Power Plant	2020	APSEB	41,03498
Solar Power Plant	2021	APSEB	53,48730
Solar Power Plant	2022	APSEB	24,76074

5.8 Faculty Performance Appraisal and Development System (FPADS) (30)

Total Marks: 30.00

Institute Marks: 30.00

System for Faculty Appraisal

Aditya College of Engineering (ACOE) established its internal Quality Assurance Cell (IQAC) on 09-06-2016 with an aim to check and improve the quality in the system. IQAC is constituted with all the stakeholders include Students, Alumni, HoDs, Senior Staff Members from both teaching and nonteaching, Management members, members from industry and their nominee, local community. IQAC has been the driving force in all the activities of the Institute. It is performing following tasks on regular basis

- Focus on the institute functioning and its quality
- Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.

- Propagate information of quality parameters
- Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
- Organize seminars/guest lectures/workshops on quality-related themes
- Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak.

ASSESSMENT OF THE PERFORMANCE

TEACHING, LEARNING AND EVALUATION RELATED ACTIVITES

Teaching

- Qualified and experienced faculty as per UGC norms.
- Class room teaching with novel methodologies like video presentations, Power point presentations, discussion mode of learning etc.
- Regular monitoring of student punctuality to class, personal counselling, clarifying subject queries and conducting extra classes for weaker students as well as remedial classes.
- Inviting guest lectures from reputed institutes and industries to update with the latest technologies.
- Practical knowledge through laboratory, Industrial visits and prototype designs.

The examination system is based on continuous internal assessment method-where a student is evaluated throughout the semester on the basis of his/her class room participation attendance, assignments, online MCQ's, followed by major examinations in a semester.

Involvement in students related activities/research activities

- Administrative responsibilities such as Head/proctor/Class In charges/Coordinator etc.
- Extra - curricular activities for students like workshops, Industrial visits, career counseling, student clubs, Incubation activity, National Service Scheme, NCC, Cultural, Sports and community services.
- Guiding students in minor and major projects for their graduation.
- Chairing of conference sessions in student paper presentations and prototype projects.
- Examination and paper evaluation duties assigned by the university and college central Exam cell.
- Monitoring the research projects and publishing the research outcomes in reputed journals.

Implementation

- To evaluate the faculty research and departmental activities, the department uses the internal college management approved self-appraisal approach.
- The internal quality assessment committee collects the data from every faculty to the head of the department.
- These appraisals help to judge the merit of the faculty members in applying for salary increments and personal promotions. Initially evaluated by the head of the department and then followed by a principal to reach the chairman.

The following are the various sections of self-appraisal form

1. General Information
2. Academic Qualifications
3. Experience
4. Subject average pass percentage
5. Proctoring students' average percentage
6. Student pass percentage (Theory)
7. Research publications in journals (SCI/Scopus Indexed) and academic contributions
8. Research publications in Conferences
9. Additional responsibilities in department.

SAMPLE FORMAT

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

FACULTY SELF ASSESSMENT FOR THE ACADEMIC YEAR: 2020-21

1. General Information:

(a) Name in full (in block letters) :

(b) Department :

2. Academic Qualifications:

Qualification	Year of passing	Institution
UG :		
PG :		
Ph.D :	-	-

(a) Additional Qualifications / Fellowships/Memberships/certificate courses :

(b) Area of specialization, if any :

(c) Date of Joining :

(d) Present designation and date of Appointment to that designation :

3. Experience :

(a) Industrial experience if any :

(b) Teaching experience total :

Name of the college	From (Date/Month/Year)	To (Date/Month/Year)	Experience in years

4. Subjects Average Pass Percentage: (Max. 20 Marks)

S. No	Subject Name	Year-Sem-Branch-Sec	No. of students appeared (A)	Passed (B)	Pass Percentage (B/A*100)	Average %	Self-Assessment Marks
						>=75 - 20 >= 70&<75 - 15 >=60&<70 - 10 >=50&<60 - 5 <50 - 0	

5. a) Proctoring Students Average pass percentage:

S.No	No.of students allotted for proctoring	Year-Sem-Branch-Sec	No.of students eligible for end exams (A)	No.of students passed (B)	Pass percentage (B/A)*100	Average %	Self Assessment Marks
1							
2						>=70 - 20 >=65&<70 - 15 >=60&<65 - 10 >=55&<60 - 5 <55 - 0	
3							
4							

5. b) Additional responsibilities in the Department / College (Marks to be allotted by HOD)

S. No	Responsibility	Assigned by	Duration	Assessment Marks
1				
2				
3				
4				

6. Student feedback: (Theory subjects only)

S.No	Year-Sem-Branch-Sec	Subject Name	No. of students	Percentage	Average %	Self Assessment Marks
1						
2						
3					>=90 - 20 >=85&<90 - 15 >=80&<85 - 10 >=75&80 - 5 <75 - 0	
4						
5						
6						

7. a) Research Publications and Academic Contributions:

S. No	Type of Research Papers	No. of Papers	Maximum Self Assessment Marks	Obtained Self Assessment Marks (Maximum Marks 20)
1	1 Scopus/SCI indexed papers/Chapters/Book		5	
2	1 National/International Journals(Non Paid)		3	
3	1 Reputed journal/conference Papers		1	
4	1 Patent with college as applicant		3	

i. Scopus/SCI indexed papers :

S. No	Journal details and title with Page No's	ISSN/ ISBN No./ SCOPUS No.	Whether peer reviewed impact Factor, if any	Specify Author 1/ Author 2 / Author 3
1				

ii. National /International Journals(Non Paid) :

S. No	Journal details and title with Page No's	ISSN/ ISBN No./ SCOPUS No.	Whether peer reviewed impact Factor, if any	Specify Author 1/ Author 2 / Author 3
1				

iii. Reputed Conference Papers :

S. No	Title with Page No's	International / National Conference	Details of Conference	Specify Author 1/ Author 2 / Author 3
1				

iv. Journal / Conference Papers :

S. No	Title with Page No's	International / National Journals Conference	Details of Journal / Conference	Specify Author 1/ Author 2 / Author 3
1				

v. Chapters / Books :

S. No	Title with Page No's	Publisher	ISSN/ ISBN No.	Specify Author 1/ Author 2 / Author 3
1				

7. b) Workshops, Teaching-Learning-Evaluation Technology Programs, and Faculty Development Programs: STTP (Short term training programs) attended

S.No	Program	Duration	Date & Place	Organized by
1				
2				
3				
4				

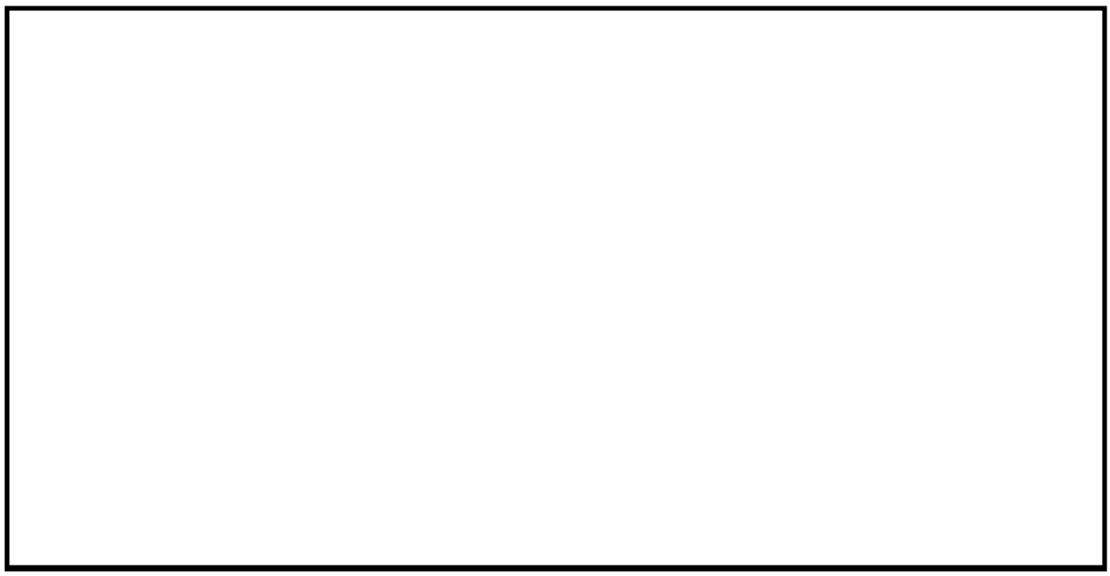
8. Staff Appraisal – Points Earned:

Subjects Average Pass % **(4)**	Proctoring Students Average pass % Additional responsibilities in the Department / College **5 (a) & (b)**	Students feedback % **(6)**	Research Publications and Academic Contributions (OR) Workshops / FDP / STTP etc. **7(a) & (b)**	**Total out of 80**

Date:

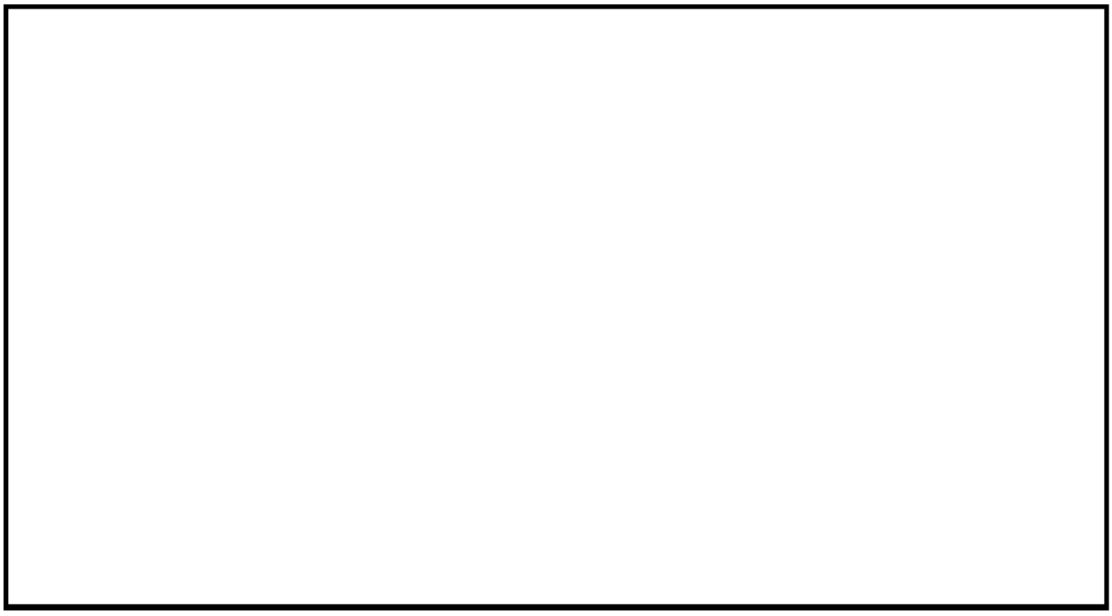
Signature of Faculty

Remarks of the HOD:



Signature

Remarks of the Principal:



Signature

Each faculty member submits a self-assessment report for the academic year, which is evaluated by the Head of the Department. According to the schedule given by the principal, Faculty Performance Appraisal Committee (the Director, Principal, and external expert) will assess it and submit a recommendation to Management for verification and suggestions. Every faculty member should get the minimum of 40% of Total score. If a member of staff gets a lower score due to their strength or weakness, the following suggestions are made for their development, and are reviewed after each year.

To attend faculty development programs to update their knowledge and skills.
To attend National & International conferences and programs aimed at improving his/her research activities.
To become a member of professional bodies.
To receive NPTEL certification in the relevant course

Performance through student feedback:
Principal/Management has developed guidelines for assessing and evaluating faculty performance based on the ratings of student feedback and implementing the following policy for faculty rated below the threshold of 60%.

- To issue a warning in respect of the faculty who has been rated poor in one feedback processes.
- The faculty with lower feedback (below threshold) shall not be eligible for any special benefits such as deputation for seminars, workshops, conference, higher studies etc. However, they shall be deputed to appropriate Development Programs to improve their skills and teaching abilities with due recommendation of the concerned HOD and approval of the Principal.

We have developed a strategy to retain the employees for relatively long period by clearly defining their roles & responsibilities and motivate to improve their performance in academic, co-curricular and Extra Curricular activities.

In conclusion the implementation of this Faculty Performance Appraisal and Development System Faculty are individually appraised of their strengths and weaknesses by their respective Heads and encouraged to achieve higher goals which in turn helped the overall continuous quality enhancement of the institution.

5.9 Visiting / Adjunct / Emeritus Faculty etc. (10)

Total Marks: 10.00
Institute Marks: 10.00

Adjunct faculty also includes Industry Experts. Provide details of participation and contribution in teaching and learning and / or research by visiting / adjunct / Emeritus faculty etc. for all the assessment years:

- *Provision of inviting/having visiting/adjunct/emeritus faculty(1)*
- *Minimum 50 hours per year interaction with adjunct faculty from industry / retired professors etc. (Minimum 50 hours interaction in a year will result in 3 marks for that year; 3 marks * 3 years = 9 marks)*

As per the policy of the institute, there is a provision of having visiting faculty who has vast experience in the area of specialization in which they share their knowledge and experience to the students, the faculty will present in the classroom by taking the attendance and tutorial for the topics taught by the visiting faculty. Retired Professors from academia and or industrial experts with vast experience are invited for this assignment.

AY: 2021-22

S. No.	Name of the Visiting Faculty	Designation/organization	Year & Semester	Subject Handled	No. of hours
1	Dr.G.Raguram	Retired Professor JNTU College of Engineering Kakinada	IV Year-I Sem	Linear IC Applications	30
2	Mr. B. Giri Kiran	Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	IV year II Sem	Project	30
TOTAL					60

AY: 2020-21

S. No.	Name of the Visiting Faculty	Designation/organization	Year & Semester	Subject Handled	No. of hours
1	Dr.S.Rama Reddy	Retired Professor University of Jerusalem, Chennai, T.N.	II year I Sem	Electromagnetic Fields	32
2	Dr.A.KailasaRao	Retired Professor, JNTU College of Engineering K	IV Year –II Sem	Project	25
TOTAL					57

AY: 2019-20

S. No.	Name of the Visiting Faculty	Designation/organization	Year & Semester	Subject Handled	No. of hours
1	Dr. S. Rama Reddy	Retired Professor University of Jerusalem, Chennai, T.N.	III Year-ISem	Renewable Energy Resources	42
2	Mr. B. GiriKiran	Senior Electric Design, Marathon Electric India Pvt Ltd. Hi-tech City Hyderabad	IV Year –II Sem	Project	35
TOTAL					77

AY: 2018-19

S. No.	Name of the Visiting Faculty	Designation/organization	Year & Semester	Subject Handled	No. of hours
1	Dr. S. Rama Reddy	Retired Professor University of Jerusalem, Chennai, T.N	II Year –I Sem	Electromagnetic fields	45
2	Dr.G.Raguram	Retired Professor, JNTU College of Engineering, Kakinada	III year –I Sem	Signals and Systems	42
TOTAL					87

Criterion 6	Facilities and Technical Support	80

6. Facilities and technical support (80)

6.1 Adequate well equipped laboratories and Technical Man power (30)

Total Marks: 30.00

Institute Marks: 30.00

Sr. No.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Important Equipment	Weekly utilization	Name of the Technical Staff	Designation	Qualification
1	Electrical Machines Lab	3	1. Synchronous motor with excitation unit. 2. Dc shunt motor with three phase alternator. 3.Dc series identical machine with stator m s base plate love flexible coupling.	60%	G.R.K.M.P.Phani Kumar	Technician	ITI
2	Electrical Measurement Lab	3	1.Regulated power supply Dual channel 2.Function generators 3.Lvdt trainer kit. 4.Kelvin double bridge. 5. Digital oscilloscope. 6.1-phase auto transformer. 7. 1-phase step down transformer.	30%	V.R.K.V.V Nookaraju	Technician	DIPLOMA
3	Electrical Circuits Lab	3	1. Digital oscilloscope 2. 1-phase auto transformer 3. 1-phase step down transformer	30%	V.R.K.V.V Nookaraju	Technician	DIPLOMA
4	Control Systems Lab	3	1.Synchro transmitter and receiver trainer circuit kit. 2.AC.Servo motor. 3.Temperature controller using PID 4. . 1-phase full converter. 5. 3-phase half control converter. 6. AC Voltage control converter. 7. 1-phase half	30%	G.CH.M.K.RAO	Technician	B.tech

			converter.				
5	Power Electronics Lab	3	1. 1-phase full converter 2. 3-phase half control converter 3. AC Voltage control converter 4.1-phase half converter	30%	G.CH.M.K.RAO	Technician	B.tech
6.	Power Systems Lab	3	1. ABCD parameters of transmission network 2. Power angle characteristics of 3-phase alternator 3. Sequence impedance of 3-phase transformer 4. Sequence impedance of 3-phase alternator	30%	K.Jaya Prakash	Technician	DIPLOMA
7.	Electrical Simulation Lab	1	1. Systems 2. MATLAB 3.UPS systems	60%	Y.S.S.V.Manikanta	Technician	DIPLOMA
8.	Electrical Engineering Workshop Lab	3	1. MCCB. 2. Tube Light Set. 3. Soldering iron. 4. Switches. 5. Lamp holders.	15%	K.Jaya Prakash	Technician	DIPLOMA
9.	Electrical Technology Lab	3	1. DC Shunt motor 2. 3-phase squirrel cage induction motor 3. 3-phase alternator 4. DC Shunt Generator 6. Rectifier Unit 7.MCCB. 8. Tube Light Set. 9. Soldering iron. 10. Switches. 11. Lamp holders.	30%	G.R.K.M.P.Phani Kumar	Technician	ITI

Table B.6.1

6.2 Additional facilities created for improving the quality of learning experience in laboratories (25)

Total Marks: 25.00

Institute Marks: 25.00

Sr. No.	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students' are expected to have enhanced	Relevance to POs/PSOs
1	PLC testing Unit	Power supply :24V DC Standard i/o configuration: 8 inputs/6outputs Power consumption:5W	To control the devices by writing the logical programs	Open to utilize in working hours	PLC Design	PO1,PO2, PO3
2	Oil testing kit	Auto transformer Voltage :230/0-270V Current :0-2Amps Frequency :50Hz Step up transformer Voltage : 230V/60KV Charging voltage :60KV	To find out break down strength of given insulating oil	Open to utilize in working hours	Electrical Measurements	PO1,PO2, PO3
3	Forced commutation	Circuit operating voltage :0-30V D Operating frequency :50Hz to 100Hz	To convert dc to pulsating dc	Open to utilize in working hours	Power electronics	PO1,PO2, PO3
4.	Dc Jones chopper	Circuit operating voltage :0-60V dc/ 2A Operating frequency :40Hz to 100Hz Duty cycle:10% to 90%	To convert dc to pulsating dc	Open to utilize in working hours	Power electronics	
5.	Four quadrant chopper on dc drive	Motor rating :0.5 Hp Input voltage :0 -220V Armature current : 5Amp Field current : 0.2Amp Field voltage : 0 -220V Speed :1500Rpm	To convert dc to variable dc	Open to utilize in working Hours. hours hours.	Power electronics and drives	PO1,PO2, PO3
6.	Three phase ac voltage controller	Isolation transformer rating : 1KVA Volatge:0-415V/0-220-415V D.C. Motor rating: H.P :1 Field voltage : 0 -220V KW:0.75	To convert ac to variable ac	Open to utilize in working hours.	Power electronics and drives	PO1,PO2, PO4
7.	TGBT based PWM inverter	Input voltage :0-220V dc Modulation index : 10-90%	To convert dc to ac	Open to utilize in working hours.	Power electronics	PO1,PO2, PO3

8.	Micro controller based induction motor	Motor rating : 0.5HP Input voltage :0 -220V Armature current : 5Amp Field voltage : 0 -220V	To control the speed of induction motor	Open to utilize in working hours	Power electronics and drives	PO1,PO2, PO3
9.	DSP based induction motor	H.P :0.5 voltage : 220V Field voltage : 220V Maximum speed :1760Rpm No. of phases :3	To control the speed of induction motor	Open to utilize in working hours	Power electronics and drives	PO1,PO2, PO3
10.	Function generator, CRO	Function generator : Frequency : 2HZ -2MHZ Amplitude : 20V p-p Impedance : 50 ohms Pulse output : < 70Ns Power :230V AC CRO : Main voltage : 220-240V,50HZ Mains fluctuation :10% Power consumption : 40VA Accelerating voltage : 2000V Trigger band width : 0-60Mhz	To apply different signals(sine wave, square, triangle)	Open to utilize in working hours	PLC Design	PO1,PO2, PO3

6.3 Laboratory: Maintenance and overall ambience (10)

(Self Explanatory)

Total Marks: 10.00

Institute Marks: 10.00

All the laboratories used for teaching (UG/PG) are well maintained with adequate number of instruments/equipment for the students. Regular maintenance budget is provided by the institute for maintaining the Labs. All the labs have sufficient space for conducting experiments and are properly ventilated and illuminated.

Sr. No.	Name of the Lab	Area in sq.mt.	Periodic maintenance
1	Electrical Machines Lab	275.6	Weekly once
2	Electrical Measurements and Circuits Lab	143.86	Weekly once
3	Control Systems and Power Electronics Lab	143.86	Weekly once
4	Electrical Technology and Electrical Engineering Workshop Lab	179.83	Weekly once
5	Electrical Simulation Lab	143.86	Weekly once
6	Power Systems Lab	107.8	Weekly once

Maintenance:

1. Regular checkup of equipment is carried out at the end of every day by the lab technical staff.
2. Trained Technical staff are available for maintenance of equipment .
3. Preventive maintenance is carried out to reduce the possibility of breakdown.
4. Breakdown register is maintained in the laboratories.
5. As per the requirement minor repairs are carried out by the lab technical staff.
6. Floors are mopped periodically.
7. Major repairs are outsourced.

POWER ELECTRONICS LAB (Room No:303)

ELECTRICAL TECHNOLOGY LAB (Room No:003)

POWER SYSTEMS LAB (Room No:001)

ELECTRICAL SIMULATION LAB (Room No:002)

6.4 PROJECT Laboratory (5)

Total Marks: 5.00

Institute Marks: 5.00

1. The department is equipped with the project laboratory with area of 66 Sq. Mts.
2. Project laboratory consists of well configured systems.
3. Project laboratory well equipped with PCB's, soldering equipment, computer desktops, bread boards, advanced project models like Arduino etc. to tackle both hardware & software projects.
4. All the systems and projects models in the laboratory are provided to the students can utilize the facility during their course project work.

The lab is dedicated for projects high configuration computer systems installed with software's like MATLAB version 2016 a .


S.no	Name of the faculty	Qualification
1	Dr.M.Ravindra	Ph.D
2	Dr.A.S.S.Veerendra Babu	Ph.D

List of activities/projects done in this project lab:

S. No	Hall Ticket Number	Project Title	Name of the Guide
1	18MH5A0213	UPFC USING A POWER ELECTRONICS INTEGRATED TRANSFORMER.	CH UMA PHANENDRA KUMAR
	18MH5A0222		
	18MH5A0224		
	18MH5A0201		
2	18MH5A0210	ARDUINO BASED ELECTRICAL SUBSTATION MONITORING SYSTEM	M.V. Kumar Reddy
	18MH5A0216		
	18MH5A0218		
	17MH1A0202		
3	16MH5A0227	A Brushless DC Motor Drive With Power Factor Correction Using isolated-Zeta Converter	M.SOMI REDDY
	16MH5A0249		
	16MH5A0254		
	16MH5A0230		
	16MH5A0260		

4	16MH5A0208	Electrical Bike	U.V.ESWARUDU
	16MH5A0242		
	16MH5A0216		
	16MH5A0206		

(Mention facilities & Utilization)

Sr. No.	Name of the Facilities	Utilization
1	MATLAB version 2016 version	VI-1 students,II-1 students
2	PSPICE version	VI-1 students

6.5 Safety measures in laboratories (10)

Total Marks: 10.00
Institute Marks: 10.00

Sr. No.	Name of the Laboratory	Safety Measures
1	Electrical Machines Lab	1. General Rules of Conduct & Safety Rules in Laboratories are displayed. 2. Fire Extinguisher is provided. 3. First aid kit is provided. 4. Wear the proper shoes 5. Wear the apron before entering the lab 6. Don't touch the live terminals 7. Don't cut the wire with teeth 8. Maintain the minimum distance while the machine is ON 9. Keep away unwanted wires from your panel
2	Electrical Measurement and Circuits Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. Fire extinguishers are provided. 3. First aid kit is provided. 4. Avoiding the use of damaged equipment and providing needful equipment and components. 5. Wear the proper shoes 6. Wear the apron before entering the lab 7. Don't touch the live terminals 8. Don't cut the wire with teeth 9. Keep away unwanted wires from your panel 10.Insert proper fuse ratings
3	Control Systems and Power Electronics Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. Fire extinguishers are provided.

		3. First aid kit is provided. 4. Avoiding the use of damaged equipment and providing needful equipment and components. 5. Wear the proper shoes 6. Wear the apron before entering the lab 7. Don't touch the live terminals 8. Don't cut the wire with teeth 9. Keep away unwanted wires from your panel 10Insert proper fuse ratings
4	Electrical Technology and Electrical Engineering Workshop Lab	1. . General Rules of Conduct & Safety Rules are displayed. 2. Fire extinguishers are provided. 3. First aid kit is provided. 4. Avoiding the use of damaged equipment and providing needful equipment and components. 5. Wear the proper shoes 6. Wear the apron before entering the lab 7. Don't touch the live terminals 8. Don't cut the wire with teeth 9. Keep away unwanted wires from your panel 10Insert proper fuse ratings
5	Electrical Simulation Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. Fire extinguishers are provided. 3. No external devices are to be connected without scanning. 4. UPS 5. Do not open the system unit casing or monitor casing particularly when the power is turned on. 6. Do not insert metal objects such as clips, pins and needles into the computer casings. They may cause fire. 7. Do not touch, connect or disconnect any plug or cable without your lecturer/laboratory technician's permission.
6	Power System & Drives Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. Fire extinguishers are provided according to the applicability. 3. First aid kit is provided. 4. Avoiding the use of damaged equipment and providing needful equipment and components. 5. Wear the proper shoes 6. Wear the apron before entering the lab 7. Don't touch the live terminals 8. Don't cut the wire with teeth 9. Keep away unwanted wires from your panel 1Insert proper fuse ratings

7.	Project Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. Fire extinguishers are provided according to the applicability. 3. No external devices are to be connected without scanning. 4. UPS

Criterion 7	Student Continuous Improvement	50

7.1 Actions taken based on the results of evaluation of each the POs & PSOs (20)

Total Marks: 20.00

Institute Marks: 20.00

POs &PSOs Attainment Levels and Actions for improvement–CAY

PO Attainment Levels and Actions for Improvement (2020-21)

POs	Target Level	Attainment Level	Observations
PO 1: Engineering Knowledge			
PO 1	2.50	2.55	Attained
Even though the target is achieved few observations should be noted in the following Courses namely C214, C223, C225, C226, C421. Action 1: Need to solve more problems based on fundamentals magnetic field in tutorial hours Actions 2: Students are advised to inculcate vector algebra & vector calculus in electromagnetic fields (C214) to understand mathematical interpretations. Actions 3: More exercises on solving problems in digital electronics (C223) may be given to students for practice at home. Action 4: Subject related technical quiz may be conducted on economic aspects of power systems in power systems-I (C225). Action 5: More exercises on orthogonal functions in Signals and systems(C226) may be given to students for practice at home Action 6: Should focus more on mathematical related fundamentals in z transforms in DCS (421)			
PO 2: Problem Analysis			
PO 2	2.29	2.60	Attained
Even though the target is achieved few observations should be noted in the following Courses namely C223, C226, C311, C313, C421. Action 1:More practice of problems on previous university question papers should be made in Digital Electronics (C223) Action 2:More numerical problems will be given to practice on Hilbert transform in Signals & Systems (C226) Action 3: Extra classes can be conducted to practice more problems in Power Systems-II (C311) Action 4: More exercises on problem solving methods in Signals & Systems (C313). Action 5: More exercises on numerical problems in Digital Control Systems (C421) may be given to students for practice at home.			
PO 3: Design/ Development Analysis			
PO 3	2.18	2.65	Attained
Even though the target is achieved few observations should be noted in the following Courses namely C223, C226, C312, C313, C415. Action 1:More practice of difficult derivations and design of Circuits should be revised upon completion of syllabus in Digital Electronics (C223) Action 2:Make students to concentrate on NPTEL videos to grasp deeper knowledge in cross correlation and auto correlation in Signals & Systems (C226) Action 3: Imparting Knowledge by NPTEL videos on hydro and tidal power systems in Renewable Energy Sources (C312). Action 4: Make students to practice more problems related on region of convergence in SS (C313). Action 5: Make the students to do practice on lissajous patterns in laboratory in Instrumentation			

(C415).			
PO 4: Conduct Investigations of Complex Problems			
PO 4	2.13	2.01	Not Attained
Action 1: More number of problems can be solved on rectifiers in tutorial classes in Electronic Devices & Circuits (C213). Action 2: Students can be encouraged to visit the nearest substation to observe the day to day issues in power systems-II (C311). Action 3: Students can be encouraged to do multi-tasking projects.			
PO 5: Modern Tool Usage			
PO 5	2.10	2.46	Attained
Action 1: By conducting various training programs in MATLAB, PSPICE and PSIM usage of modern tools can be increased.			
PO 6: The Engineer and Society			
PO 6	1.75	2.79	Attained
PO 7: Environment and Sustainability			
PO 7	1.55	2.56	Attained
Target level has been achieved.However,following observations were made: Action 1: Group discussions can be made regarding the applications of conventional and non-conventional energy sources in Renewable Energy Sources (C312). Action 2: To understand the safety concerns and social aspects, students are encouraged to visit industry to expand the practical knowledge.			
PO 8: Ethics			
PO 8	1.79	2.78	Attained
Action 1: By instructing the students to pay more attention on professional ethics & human values course.			
PO 9: Individual and Teamwork			
PO 9	2.37	2.69	Attained
Action 1: By encouraging the students to do projects to participate in project expo.			
PO 10: Communication			
PO 10	2.58	2.77	Attained
Action 1: Group discussions may be conducted to enhance communication skills. Action 2: By encouraging the students to give seminars, paper & poster presentations in technical events.			
PO 11: Project Management and Finance			
PO 11	2.26	2.68	Attained
Action 1: Students can be encouraged to analyze the load patterns of the college and its electricity bills.			
PO 12: Life-long Learning			
PO 12	1.89	2.59	Attained
Action 1: Students can be encouraged to enrich the knowledge with recent trends like Electric Vehicles, Effective utilization of Renewable Energy Sources,IOT.			

PSOs Attainment Levels and Actions for Improvement (2020-21)

PSOs	Target Level	Attainment Level	Observations
PSO 1: Apply the fundamental knowledge of mathematics, science, electrical and electronics engineering to analyse and solve the complex problems in electrical, electronics and allied interdisciplinary areas.			
PSO 1	2.22	2.62	Attained

Action 1:By focusing more on mathematical fundamentals useful for complex problem solving methods			
PSO 2: Design, develop and implement electrical and electronics and allied interdisciplinary projects to meet the demands of industry and to provide solutions to the current real time problems.			
PSO 2	2.19	2.65	Attained
Action 1: Students may encourage to design innovative projects in recent trends on power networks Action 2: Students are may encourage to design, simulation and analysis in electrical system.			

7.2Academic Audit and actions taken thereof during the period of Assessment (10)

Total Marks: 10.00

Institute Marks: 10.00

(Academic Audit system/ process and its implementation in relation to Continuous Improvement)

Academic audits are conducted as per ISO standards to monitor and evaluate the teaching learning process. It consists of internal audit and external audits. Audits are conducted for teaching process, laboratory maintenance and departmental activities.

Feedback from Students – Course End Survey

➢A questionnaire about the course is prepared by the course coordinator and the program coordinator for the students. This serves as feedback at end of the semester to gauge the degree of attainment of POs and PSOs.

Feedback from students – Exit Survey

➢A questionnaire is prepared by the program coordinator and given to students at end of the program to get their feedback of the program. The results are analyzed to gauge the degree of attainment of program outcomes.

Feedback from Parents

➢The Program coordinator will collect the feedback from parents about their experience and their ward's opinion on the program. This activity is carried out once in every semester for the betterment of the system

Feedback from the Employer

➢A questionnaire is prepared by the program coordinator and is given to the employers / recruiters during recruitment process. Their feedback is analyzed to gauge the degree of attainment of program outcomes

Feedback from the academic/industry experts

➢Curriculum reviews by Industry/Academic experts provide a broad-based internal and external feedback regarding the relevance and organization of a program's curriculum. Their feedback serves as evidence for assessing significant changes (individual course competencies) required within a program when the change is inevitable.

Feedback from Alumni

➢A questionnaire is prepared by the program and course coordinator and is given to the alumni. It will be done once in every year or whenever an alumni visit the campus to gauge the degree of attainment of POs and PSOs.

Role of Lab In-Charge

➢To ensure quality and consistency of lab conduction, lab in-charge are formed for each lab. The key responsibilities of lab in-charge involve,

- Guiding the faculties in conduction of lab.

Faculty Audit: The following records of the faculty members are verified during the internal academicaudits.

✓Calendar of events
✓Competency skills
✓Individual timetable
✓Syllabus
✓Class students list
✓Lab batch list, lab records
✓Lesson plan
✓Attendance register
✓Remedial class records
✓Model question papers / previous university question papers
✓Assignment questions
✓Quiz question papers
✓Result analysis
✓Internal Assessment and external examination
✓Tutorial student list (Coaching class list)
✓Additional resources to students (notes, PPT, etc.)
✓Co-curricular Activities: Seminar/Conference/workshop/etc conducted and attended,
✓ Industrial Visits
✓Faculty Achievements: Paper publications, Monograph patents, Books etc.

Internal audit will be done by AAA committee(academic and administrative audit committee) and external audit by JNTUK university FFC committee every year (NAAC, ISO also). Based on the remarks given by them, actions are taken

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10)

Total Marks10.00
Institute Marks: 10.00

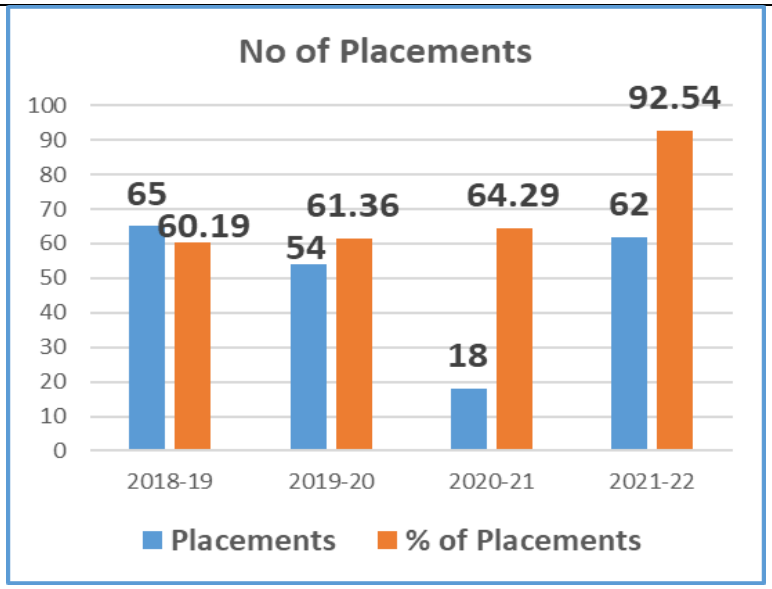
Assessment is based on improvement in:

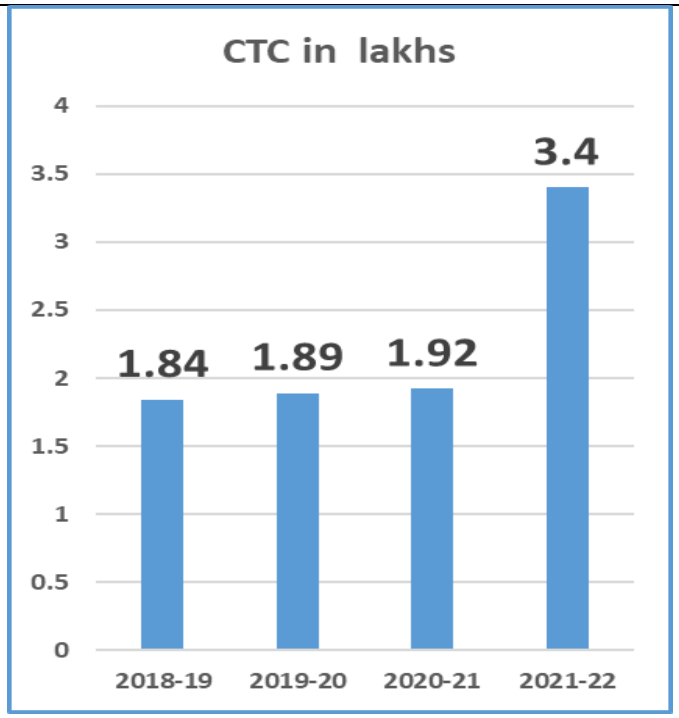
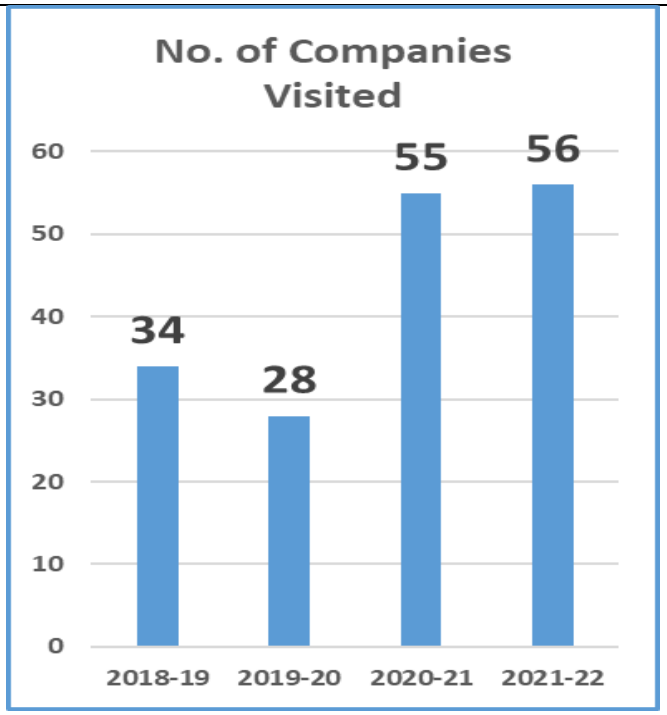
- Placement: number,quality placement,core in dustry, pay packages etc.,
- Higher studies : performance in GATE,GMAT,CAT,etc., and admission in premier institutions
- Entrepreneurs

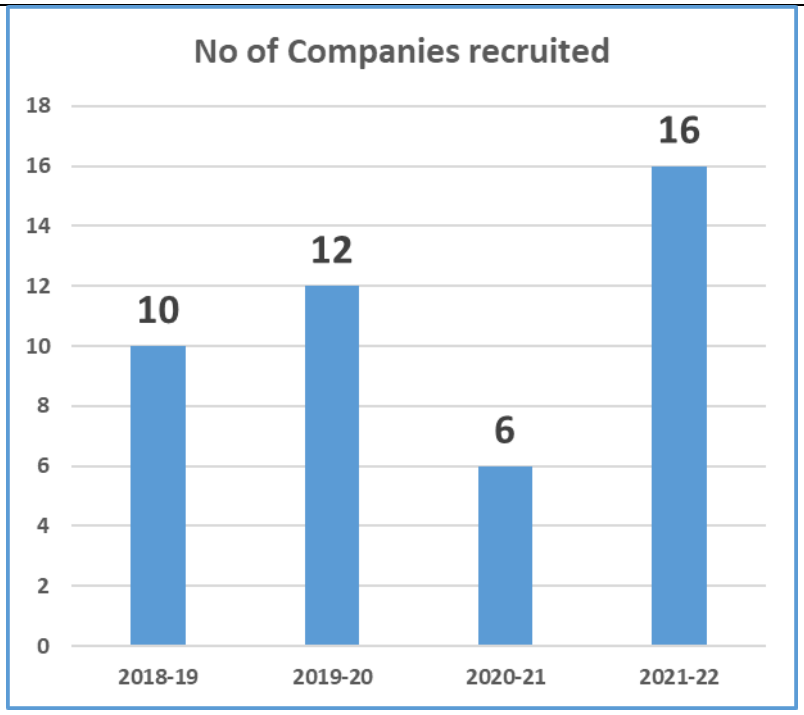
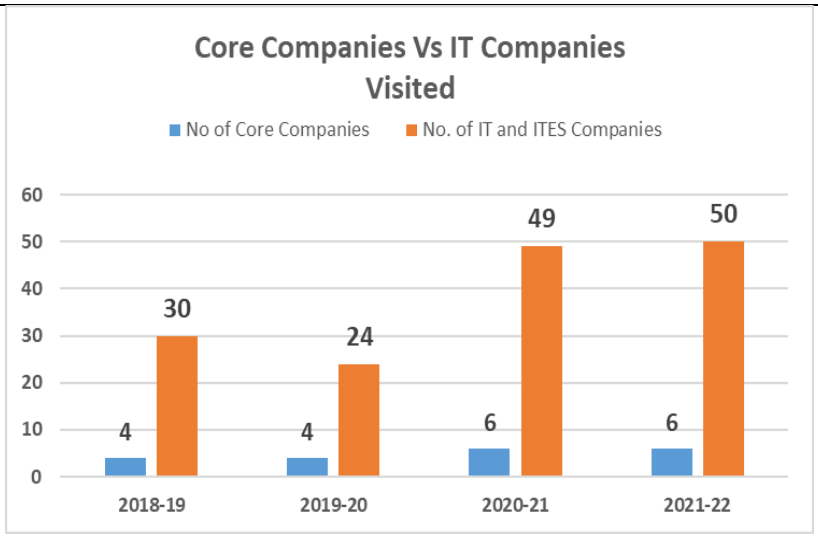
3 Years Placement Analysis

A. Y	No. of Companies Visited	No. of Companies Recruited	Avg CTC L.P.A	No. of Placements	No of Students	No of Core Companies	No. of IT and ITES Companies	% of Placements
2021-22	56	16	3.4	62	67	6	50	92.54
2020-21	55	6	1.92	18	28	6	49	64.29
2019-20	28	12	1.89	54	88	4	24	61.36
2018-19	34	10	1.84	65	108	4	34	60.19

Placement Assessment and Trends

SNO.	Representation	Trend Description
1.		There was an increase in % of placements from AY:2018-19 to 2021-22 is observed.

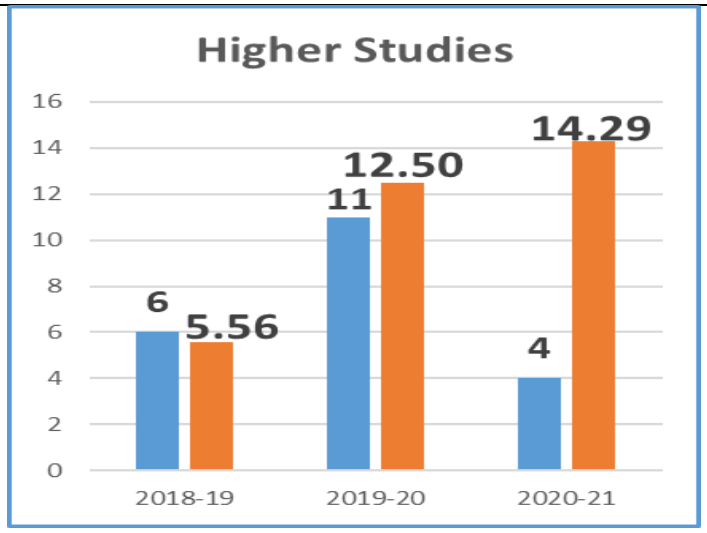
2.		There was an increase in CTC from AY:2018-19 to 2021-22 is observed.
3.		There was a huge increase from AY:2019-20 to 2020-21 is observed and slight increase from AY:2020-21 to 2021-22 companies is observed Decrease from AY:2018-19 to 2019-20 companies is observed

4.		There was an increase from AY:2020-21 to 2021-22 and from AY:2018-19 to 2019-20companies is observed There was a Decrease in number of companies recruited from AY:2019-20 to 2020-21 is observed
5.		There was an increase in visited Core companies from the past three years and their was a huge increase of visited from AY:2019-20 to 2020-21 and decrease from AY:2018-19 to 2019-20 is observed

3 Years students admitted to higher studies Analysis

A. Y	No. of Students Admitted to Higher Studies	No of Students	% ofStudents Admitted to Higher Studies
2021-22	0	67	0
2020-21	4	28	14.29
2019-20	11	88	12.50
2018-19	6	108	5.56

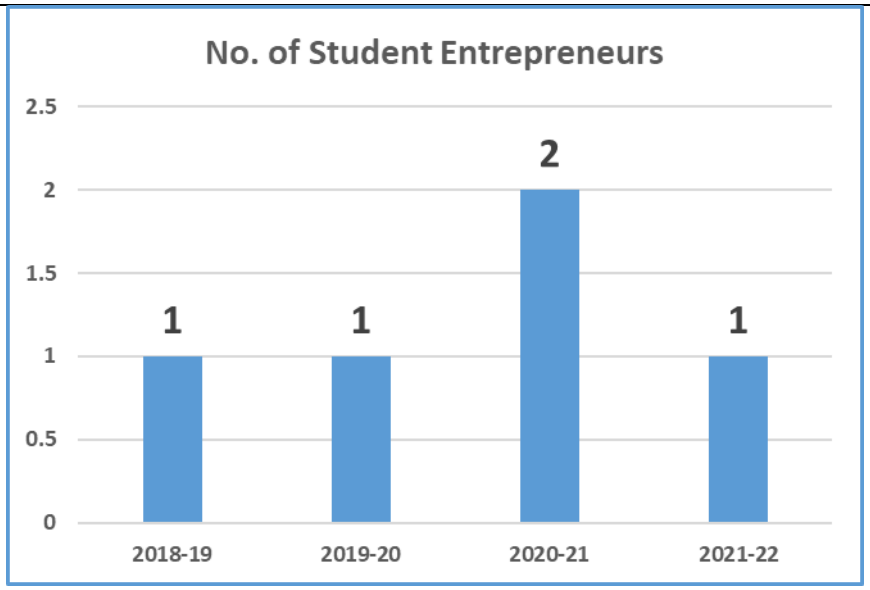
Higher Studies Assessment and Trends

SNO.	Representation	Trend Description
1.		There was a gradual increase in % Students Admitted to Higher Studies is observed from A.Y 2018-19 to 2019-20

3 Years No of Students turned Entrepreneur

A. Y	No of students turned Entrepreneur
2021-22	1
2020-21	2
2019-20	1
2018-19	1

Entrepreneur Assessment and Trends

S.No.	Representation	Trend Description
1.		There was an increase from AY: 2019-20 to 2020-21 and equal number of students turned entrepreneur in A.Y 2021-22,2019-20 and 2018-19 is observed

7.4. Improvement in the quality of students admitted to the program (10)

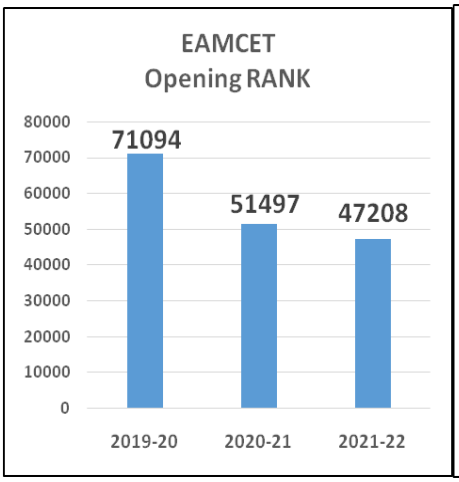
Total Marks: 10.00

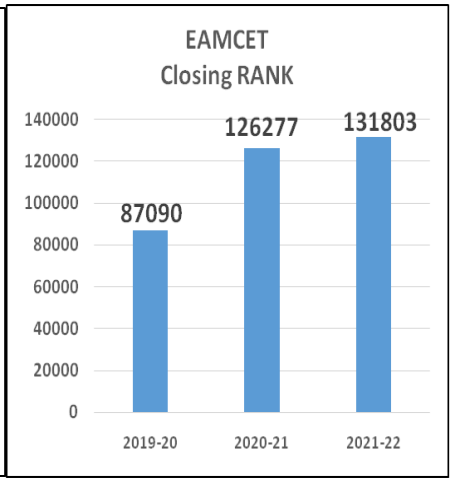
Institute Marks: 10.00

Assessment is based on improvement interms of ranks/ score in qualifying state level/ national level entrances tests, percentage marks in Physics, Chemistry and Mathematics in 12th Standard and percentage marks of the lateral entry students.

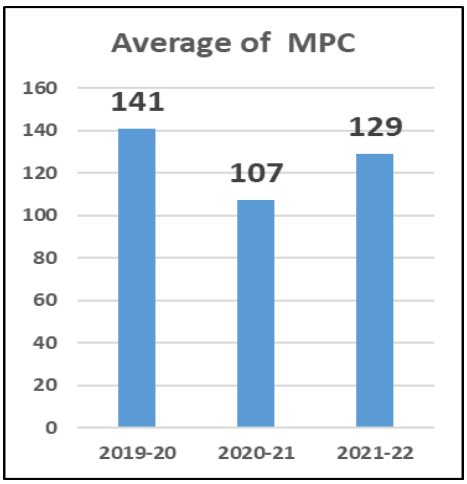
Item		CAY 2021-22	CAY*m*1 2020-21	CAY*m*2 2019-20
National Level Entrance Examination (Name of the Entrance Examination)	No. of Students admitted	-	-	-
	Opening Score/ Rank	-	-	-
	Closing Score/ Rank	-	-	-
State/ University/ Level Entrance Examination/ Others (Name of the Entrance Examination)	No. of Students admitted	42	61	8
	Opening Score/ Rank	47208	51497	71094
	Closing Score/Rank	131803	126277	87090
Name of the Entrance Examination for Lateral Entry or lateral entry details	No. of Students admitted	54	19	66
	Opening Score/ Rank	486	1068	622
	Closing Score/Rank	6065	7170	8767
Average CBSE/Any other Board Result of admitted students (Physics, Chemistry & Math's)		129	107	141

EAMCET Opening & Closing Ranks

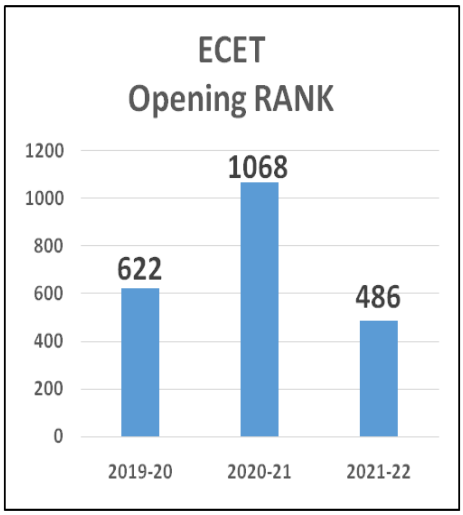


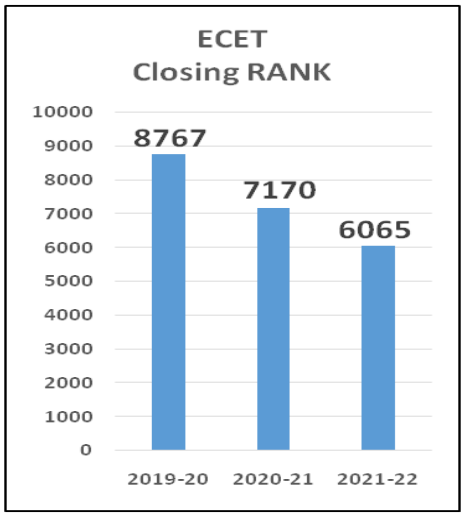


Average of MPC



ECET Opening & Closing Ranks





CRITERIA 8	First Year Academics	50

8. FIRSTYEARACADEMICS(50)

8.1 First Year Student-Faculty Ratio(FYSFR)(5)

S. No.	Name of the Faculty	Designation	Qualification	Date of Joining	Total Exp	Subject
1	Dr. ORUGANTI S S CHANDANA	Professor	Ph.D.	28.06.2017	15	CHEMISTRY
2	Dr. GUDALA BALAJI PRAKSH	Professor	Ph.D.	12.07.2021	20	MATHEMATICS
3	MARNEEDI SRINIVASU	Professor	M.Phil, B.Ed. (Ph.D.)	06.09.2012	24	MATHEMATICS
4	JUTHUKA BALA MOHAN RAJU	Associate Professor	M.A.	02.09.2013	18	ENGLISH
5	PEDDADA S S RAMA SUJATHA	Associate Professor	M.Sc.(Ph.D.)	01.08.2008	14	MATHEMATICS
6	POTHAMSETTI RAJA SEKHAR REDDY	Associate Professor	M.A.	28.01.2011	13	ENGLISH
7	BUDIDA JYOTHI	Associate Professor	M.Sc. (Ph.D.)	03.12.2018	16	PHYSICS
8	UPADHYAY ABHISHEK KUMAR	Associate Professor	M.Phil	06.07.2015	9	ENVIRONMENTAL SCIENCES
9	DIVVITI LAKSHMI NARAYANAMMA	Asst. Professor	M.Sc.	03.12.2018	8	MATHEMATICS
10	MYLABATHULA MARY JYOTHI	Associate Professor	M.A. M.Ed. (Ph.D.)	15.05.2019	15	ENGLISH
11	NARAVA VEERA VENKATA DURGA PRASAD	Asst. Professor	M.Sc.	10.12.2020	8	CHEMISTRY
12	DURGA BHAVANI KANCHAPU	Asst. Professor	M.Sc,B.Ed.	29.01.2021	7	MATHEMATICS
13	NARASIMHA RAO IRAGANI	Associate Professor	M.Sc, M.Phil, (Ph.D.)	01.02.2021	13	MATHEMATICS
14	SATYA LAKSHMI CHODISETTI	Asst. Professor	M.Sc.	11.01.2021	12	MATHEMATICS
15	NAGA JYOSTNA CHALLA	Asst. Professor	M.Sc., M.Phil.,B.Ed.	27.01.2021	13	PHYSICS
16	CHALAPATI RAO MEDIKONDA	Asst. Professor	M.Sc., B.Ed.	16.08.2021	12	MATHEMATICS
17	CHENNU RAM MOHAN RAO	Associate Professor	M.Tech, (Ph.D.)	03.12.2018	13	ENGG DRAWING
18	RUPAVANI VANAPALLI	Asst. Professor	M.Tech	11.12.2020	10	ENGINEERING DRAWING
19	SAFEERUDDIN KHAN	Asst. Professor	M.E.	24.11.2020	8	ENGINEERING MECHANICS

20	M SS MOHAN KUMAR	Associate Professor	M.Sc.	01.10.2021	16	MATHEMATICS
21	VUNDAVALLI BALA SANKAR	Associate Professor	M.Tech	01.06.2015	14	COMPUTER PROGRAMMING
22	BHANU RAJESH NAIDU KAMPARAPU	Asst. Professor	M.Tech	12.06.2017	4	COMPUTER PROGRAMMING
23	MATTAPALLI MADHURI	Asst. Professor	M.Sc.	04.12.2018	10	PHYSICS
24	SATTI DHANALAKSHMI	Asst. Professor	M.Sc.	03.12.2018	5	PHYSICS
25	GANISETTI PARVATHI	Asst. Professor	M.Sc.	03.12.2018	8	MATHEMATICS
26	PAMPANA DEVI SWARAJYA LAKSHMI	Asst. Professor	M.Sc.	04.12.2018	8	CHEMISTRY
27	ORUGANTI SAVITHRI	Asst. Professor	M.Sc.	03.12.2018	12	MATHEMATICS
28	MALLIPUDI NAGA MURALI JAGAPATHI RAMAYYA	Asst. Professor	M.Sc.	09.06.2017	9	ENGINEERING CHEMISTRY
29	THOTA LAVANYA	Asst. Professor	M.Sc.	09.06.2017	4	CHEMISTRY
30	AKULA DIVYA GOWRI	Asst. Professor	M.Sc.	07.06.2017	4	MATHEMATICS
31	BATHULA KIRAN KUMAR	Asst. Professor	M.Sc.	04.12.2018	10	MATHEMATICS
32	SUDHA BOGA	Asst. Professor	M.Tech	30.01.2021	2	ENGINEERING DRAWING
33	SAI LAXMI KANAKAMAMIDI	Asst. Professor	M.Tech	30.01.2021	2	ENGINEERING DRAWING
34	PIDAKALA SATYA SRUTHI	Asst. Professor	M.Tech	03.12.2018	5	COMPUTER PROGRAMMING
35	ARUN KUMAR PODILA	Asst. Professor	M.Tech	25.01.2021	1	COMPUTER PROGRAMMING
36	ACHANTA SATHEESH	Asst. Professor	M.Tech	03.12.2018	3	BEEE
37	MATTA VARALAKSHMI	Asst. Professor	M.Tech	27.11.2020	2	NETWORK ANALYSIS
38	PRASANTH KUMAR DEVAGUSTAPU	Asst. Professor	M.A.	15.06.2017	4	ENGLISH
39	JAMMISETTI VENKATA RAMANAIAH	Asst. Professor	M.Sc.	08.10.2021	16	MATHEMATICS

Data for first year courses to calculate the FYSFR:

Year	Number of students (approved intake strength)	Number of faculty members (considering fractional load)	FYSFR	*Assessment = (5 ×20) / FYSFR (Limited to Max. 5)
2018-19	780	39	20	5.00
CAYm2 (2019-20)	780	39	20	5.00
CAYm1 (2020-21)	780	39	20	5.00
CAY (2021-22)	720	39	18	5.00
Average	765	39	19.5	5.00

Table8.1

***Note:** If FYSFR is greater than25, then assessment equal to zero.

8.2 Qualification of Faculty Teaching First Year Common Courses(5)

Assessment of qualification = (5x +3y)/RF, x= Number of Regular Faculty with Ph.D., y = NumberofRegularFacultywithPostgraduatequalificationRF=NumberoffacultymembersrequiredasperSFRof20:1,Facultydefinitionasdefinedin5.1

Year	X	Y	RF	Assessment of facultyqualification(5x+3y)/RF
2018-19	4	30	39	2.82
2019-20	4	30	39	2.82
2020-21	4	33	39	3.05
2021-22	2	37	36	3.36
AverageAssessment				2.98

Table8.2

8. 3 First year academic performance

Academic Performance = ((Mean of 1stYear Grade Point Average of all successful Students on a 10 point scale) or (Mean of the Percentage of marks in First Year of all successful students/10)) x (number of successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the second year.

Table 8.3.1 Academic Performance at Department Level

Academic Performance	CAYm1 (2020-2021)	CAYm2 (2019-20)	2018-19
Mean of percentage of marks / Grade point average(X)	6.66	6.70	8.29
Total Number of Successful students(Y)	61	6.00	3
Total Number of appeared in examinations(Z)	61	6	3
AP=[X*(Y/Z)]	6.66	6.70	8.29
Average Academic Performance=(AP1+AP2+AP3)/3	7.22		

8.4 Attainment of Course Outcomes of first year courses (10)

8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done (5)

(Examples of data collection processes may include, but are not limited to, specific exam questions, laboratory tests, internally developed assessment exams, oral exams assignments, presentations, tutorial sheets etc.)

1) Assessment for theory courses

After commencement of class work, the Course Coordinator will design the flow of curriculum, lesson plan indicating teaching methods. Slip tests, oral presentations are conducted at regular intervals during 1st hour for 15 marks. Semester-end (external) examination will be conducted by the affiliating university for 70 marks and internal examination will be for 30 marks for all the theory courses. Internal assessment will be conducted as per the guidelines and schedule of JNTUK, Kakinada. Internal examinations are conducted in the form of Descriptive, Online, and Assignments comprising a total of 30 marks twice in a semester. Out of two internal assessments, as per the regulations of the affiliating university, 80% of best mark and 20% of least mark will be computed and internal assessment marks are finalized.

1.1. Class average mark and percentage of students scored above average mark

All the marks scored by the learners are recorded and taking sum of all marks obtained by the students divided by number of students gives the class average mark and number of students obtained greater than this mark will be considered. Then the percentage of students scored above average mark will computed

1.2. Target and attainment levels of COs for internal assessment

Target is stated in terms of number of students scoring greater than or equal to 16 (>= 16) in the internal assessment for a maximum marks of 30. Based on rubrics set for individual course, the attainment level will be calculated.

1.3. Target and attainment levels of COs for external assessment

Target is stated in terms of number of students scoring greater than or equal to 24(>= 24) in the external exam for a maximum marks of 70.Based on rubrics set for individual course, the attainment levels will be calculated.

1.4. Calculation of attainments

Attainments for internal examinations will be calculated by taking the question wise attainments for descriptive, online and assignments and average of theses attainments will be considered as CO attainments will be finalized.

Affiliating university declares the result using grade point average, therefore, class average mark will be computed by considering all the succeeded students in the semester-end (external) examination. Based on the class average mark, percentage of students score above class average mark and its attainment will be calculated. Average attainment will be finalized.

As per the regulations prescribed by the affiliating university, 30% weight for internal assessment and 70% weight for external assessment will be taken to calculate the final attainment of that course. If the final attainment is less than the target attainment then the observations/reasons will be analysed to achieve the target for each course and laboratory**.**

2) Attainment for laboratory courses

The schedules for laboratory courses are prepared as per the guidelines of the affiliating university and the prescribed experiments will be carried out. Students will prepare the observations and practical records for the experiments performed by them. Day-to-day evaluation will be recorded and finalized as internal assessment for 15 marks for each laboratory course and end practical examination will be conducted as per the schedule given by the affiliating university for 35 marks. Attainment will be computed by finding the class average mark, percentage of students who succeeded and their attainments.

The attainment calculations for theory course are shown as a sample.

ADITYA COLLEGE OF ENGINEERING

Department of Electrical & Electronics Engineering

Course Assessment

Course Name:	**APPLIED PHYSICS**	Academic Year:	2020-21
Faculty Name:	C.N.Jyotsna	Year & Semester:	I Year I Semester
Course Code:	R20BS1207	Branch &Section:	EEE

		Internal Examination-1										**Internal Examination-2**											
S. No.	**Roll No.**	**1.a**	**1.b**	**2.a**	**2.b**	**3.a**	**3.b**	**Total**	**Assignment**	**Quiz**	**Total**	**1.a**	**1.b**	**2.a**	**3.a**	**3.b**	**Total**	**Assignment**	**Quiz**	**Total**	**Internal**	**End Semester exam**	**Grade point**
Maximum Marks		**3.5**	**1.5**	**3**	**2**	**3.5**	**1.5**		**5**	**10**	**15**	2	3	5	3	2	**15**	**5**	**10**	**30**	**27**	A+	10
1	20MH1A0201	3.5	1.5	3	0.5	2.5	1.5	13	5	6	**24**	0.5	1.5	0.5	0	1.5	4	5	4	**13**	22	E	5
2	20MH1A0202	3	0	3	0	0.5	0	7	4	3	**14**	0	1	4.5	3	2	11	5	5	**21**	20	D	6
3	20MH1A0203	3.5	1.5	3	2	0	0	10	5	5	**20**	0	0	0	0	0	0	5	0	**5**	17	AB	0
4	20MH1A0204	3.5	1.5	0	1.5	0	0	7	4	5	**16**	0	0	0	0	0	0	5	0	**5**	15	AB	0
5	20MH1A0205	3.5	1	3	0.5	0	1.5	10	5	2	**17**	2	3	4.5	3	1	14	5	3	**22**	21	D	6
6	20MH1A0206	2	0	2.5	0	2	0	7	3	4	**14**	0	0	5	0.5	2	8	5	4	**17**	17	F	0
7	20MH1A0207	3	1.5	3	2	3.5	1.5	15	5	4	**24**	2	2	3.5	3	2	13	5	7	**25**	25	D	6
8	20MH1A0208	3.5	0	3	0	3.5	0	10	5	3	**18**	2	0	4	0.5	0	7	5	5	**17**	18	F	0

9	20MH1A0209	1	0	0	0	0	0	1	2	3	**6**	1.5	1.5	4	1	1.5	10	5	4	**19**	17	F	0
10	20MH1A0210	1	1.5	2	0	0	0	5	3	5	**13**	2	0	5	3	1.5	12	5	2	**19**	18	F	0
11	20MH1A0211	3.5	1.5	3	2	3.5	1.5	15	5	4	**24**	2	3	5	3	2	15	5	5	**25**	25	C	7
12	20MH1A0212	3	1.5	1.5	0.5	0	0	7	3	5	**15**	1.5	0	5	3	2	12	5	2	**19**	11	F	0
13	20MH1A0213	3.5	1.5	3	2	2.5	1.5	14	5	5	**24**	2	3	5	3	0	13	5	3	**21**	24	C	7
14	20MH1A0214	3.5	0	3	2	2.5	0	11	5	5	**21**	2	2	5	0	0	9	5	3	**17**	21	C	7
15	20MH1A0215	3.5	1.5	3	2	3.5	1	15	5	4	**24**	1	2	5	3	1.5	13	5	4	**22**	24	C	7
16	20MH1A0216	2.5	1.5	3	2	2.5	1.5	13	5	4	**22**	0	0	5	1.5	2	9	5	3	**17**	21	D	6
17	20MH1A0217	3.5	1.5	3	2	3.5	1.5	15	5	6	**26**	2	3	5	3	2	15	5	4	**24**	26	B	8
18	20MH1A0218	0.5	0	0.5	0	0	0	1	3	3	**7**	2	3	4	2.5	1.5	13	5	1	**19**	17	E	5
19	20MH1A0219	3.5	0	2	0	0	0	6	3	4	**13**	2	2	3	0	1.5	9	5	3	**17**	17	E	5
20	20MH1A0220	2.5	1.5	1.5	1	1.5	0.5	9	3	4	**16**	0	0.5	5	3	2	11	5	4	**20**	20	C	7
21	20MH1A0221	3.5	1.5	3	2	3.5	1.5	15	5	4	**24**	2	3	5	2.5	2	15	5	6	**26**	26	C	7
22	20MH1A0222	3.5	1.5	3	2	2.5	1	14	5	5	**24**	2	3	5	3	0.5	14	5	4	**23**	24	C	7
23	20MH1A0223	3	0.5	3	0	0	0	7	3	2	**12**	2	3	0	2	1.5	9	5	5	**19**	14	D	6
24	20MH1A0224	3.5	0	3	2	3.5	1.5	14	5	4	**23**	2	3	5	2.5	2	15	5	5	**25**	25	C	7
25	20MH1A0225	3.5	0	3	1	0	0	8	3	5	**16**	2	2	4	2	1.5	12	5	3	**20**	20	D	6
26	20MH1A0226	3.5	1.5	3	2	3.5	0.5	14	5	5	**24**	0	0	5	2.5	0	8	5	5	**18**	23	B	8
27	20MH1A0227	0	0	0	0	0	0	0	1	0	**1**	2.5	0	5	3	0	11	5	3	**19**	16	E	5

28	20MH1A0228	3.5	1.5	3	0	3.5	1.5	13	5	4	**22**	2	3	5	2.5	0	13	5	3	**21**	22	D	6
29	20MH1A0229	3	0	1.5	0	0	0	5	3	3	**11**	2	2	5	1.5	0	11	5	2	**18**	17	E	5
30	20MH1A0230	3.5	1.5	3	2	3	0.5	14	5	4	**23**	2	3	5	3	2	15	5	2	**22**	23	D	6
31	20MH1A0231	3.5	1.5	3	1	2.5	1	13	5	4	**22**	2	3	5	1		11	5	3	**19**	22	D	6
32	20MH1A0232	3.5	1.5	3	2	2.5	0.5	13	5	7	**25**	2	0	5	3	2	12	5	6	**23**	25	C	7
33	20MH1A0233	3.5	1.5	3	2	3.5	1	15	5	5	**25**	2	3	5	3	2	15	5	5	**25**	25	B	8
34	20MH1A0234	1	0	0	0	0	0	1	3	3	**7**	0	0	5	3	2	10	5	3	**18**	16	E	5
35	20MH1A0235	0	0	0	0	0	0	0	1	0	**1**	0	0	0	0	0	0	5	0	**5**	5	AB	0
36	20MH1A0236	3.5	0	3	0	0	1.5	8	4	5	**17**	0	0	0	0	0	0	5	0	**5**	15	AB	0
37	20MH1A0237	1	0	0	0	0	0	1	2	3	**6**	2	1.5	4.5	2.5	2	13	5	3	**21**	18	E	5
38	20MH1A0238	2	0	0	0	1	0	3	2	3	**8**	2	2.5	5	2	0	12	5	4	**21**	19	E	5
39	20MH1A0239	2	0	0	0	0	0	2	2	3	**7**	2	0	2.5	3	0	8	5	4	**17**	16	F	0
40	20MH1A0240	3	1.5	2.5	2	2	0	11	5	4	**20**	0	3	3	1.5	2	10	5	3	**18**	20	D	6
41	20MH1A0241	1	1.5	0.5	0	1	1	5	3	4	**12**	0	2.5	5	2	0	10	5	4	**19**	18	D	6
42	20MH1A0242	3.5	0	3	2	3.5	1.5	14	5	5	**24**	2	3	5	3	2	15	5	5	**25**	25	B	8
43	20MH1A0243	3	1.5	2.5	1.5	3.5	1.5	14	5	5	**24**	2	3	5	3	1.5	15	5	2	**22**	24	E	5
44	20MH1A0244	3.5	1.5	3	1.5	2.5	1.5	14	5	5	**24**	2	0	5	1.5	0	9	5	4	**18**	23	D	6
45	20MH1A0245	1.5	0.5	1	0	0	0	3	2	3	**8**	2	0.5	5	1	2	11	5	2	**18**	16	E	5
46	20MH1A0246	3.5	1.5	3	2	3.5	1	15	5	5	**25**	2	2	2	1.5	0	8	5	3	**16**	24	E	5

47	20MH1A0247	3	1.5	3	0	3.5	2	13	5	3	**21**	0	3	5	2	3	13	5	6	**24**	24	E	5
48	20MH1A0248	1.5	0	2	0	0	1	5	2	3	**10**	0	3	5	3	2	13	5	2	**20**	18	D	6
49	20MH1A0249	0	0	1.5	0	0	0	2	3	6	**11**	0	3	5	3	0	11	5	4	**20**	19	F	0
50	20MH1A0250	2	0.5	1	0.5	0	0	4	2	6	**12**	1	2	4.5	0	0	8	5	4	**17**	16	E	5
51	20MH1A0251	3	0	0.5	0	2	0	6	3	1	**10**	1.5	2	5	2	1	12	5	4	**21**	19	E	5
52	20MH1A0252	2.5	0.5	2	0	0	0	5	2	2	**9**	2	0	3.5	0	2	8	5	1	**14**	13	F	0
53	20MH1A0253	2	1.5	3	0	3	1.5	11	5	4	**20**	2	0	5	0	1.5	9	5	1	**15**	19	D	6
54	20MH1A0254	3	0	3	0	0	0	6	3	4	**13**	2	0	5	0	1.5	9	5	1	**15**	15	E	5
55	20MH1A0255	3.5	1.5	2.5	1.5	3.5	2	15	5	4	**24**	2	3	5	3	2	15	5	5	**25**	25	C	7
56	20MH1A0256	3.5	0	3	2	2.5	1.5	13	5	6	**24**	2	0	5	3	0	10	5	3	**18**	23	D	6
57	20MH1A0257	3.5	1.5	3	2	3.5	1.5	15	5	5	**25**	2	3	5	3	1.5	15	5	3	**23**	24	B	8
58	20MH1A0258	3.5	1	3	0	3.5	1.5	13	5	6	**24**	2	2	5	2	2	13	5	4	**22**	24	C	7
59	20MH1A0259	2.5	0	1.5	0	0.5	0	5	4	4	**13**	2	0	5	1.5	0	9	5	3	**17**	17	E	5
60	20MH1A0260	2.5	0	0	2	2	0	7	3	5	**15**	2	0	5	2	0	9	5	3	**17**	17	E	5
61	20MH1A0261	2.5	1	2.5	2	3.5	1.5	13	5	7	**25**	2	1.5	4	3	2	13	5	2	**20**	24	D	6
Class Average Mark		2.0	0.5	1.7	0.6	1.4	0.3	6.7	3.7	3.9	14.1	1.4	1.3	3.3	1.4	1.2	8.5	4.5	3.0	15	16.7		
Student Scored above average mark		82	53	74	46	69	40	66	94	84	64	98	65	79	78	75	82	100	52	84	81	98	
Students attempted the question		65	65	65	65	65	65	65	65	65	64	62	62	62	62	62	62	62	62	65	62	61	
% students scored above average mark		59	38	53	33	49	29	47	67	60	46	71	47	57	56.93	55.15	58	71	37	60	58	70	

Attainment level	2	1	1	1	1	1	1	2	2	1	3	1	2	2	2	2	3	1	2	2	3	

																				Internal	**University Exam**	**Overall**
CO1	**2**	**1**						2	**2**											**1.75**	**3**	**2.63**
CO2			**1**	**1**				2	**2**											**1.5**	**3**	**2.55**
CO3					**1**	**1**		2	**2**		**3**	**1**								**1.67**	**3**	**2.60**
CO4													**2**				**3**	**1**		**2**	**3**	**2.70**
CO5															**1**		**3**	**1**		**1.67**	**3**	**2.60**
CO6														**1**			**3**	**1**		**1.67**	**3**	**2.60**
Overall Course attainment																						**2.61**
Set target for course attainment																						**2.14**
Status of the course attainment (Yes/No)																						**Yes**

CO1	2.63
CO2	2.55
CO3	2.60
CO4	2.70
CO5	2.13
CO6	2.60

Base Target taken for CO:	2.14	Class average Mark		4.5
Rubrics:				
>70% students	3			
55 to 70% students	2			Best performing Course Outcome:CO4
<55% students	1			Least performing Course Outcome:CO5

Observations	
1	More number of numerical was practiced.
2	Previous question papers were discussed frequently
3	Class tests were conducted regularly and done review based on the performance.
Plan of Action for improvement	
1	Planned to discuss various questionnaire on problem solving of interference during tutorial hours
2	Planned to discuss Lasers by using NPTEL lectures.
	Faculty Signature

ADITYA COLLEGE OF ENGINEERING

Department of Electrical & Electronics Engineering

Course Assessment

Course Name:		**APPLIED PHYSICS LAB**													
Faculty Name:		C.N.Jyotsna													
Course Code:		R20BS1209													
S. No.	**Roll No.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**Total**	**Day to Day**	**Record**	**Total**	**End Semester grade**	**GP**
Maximum Marks										**5**	**5**	**5**	**15**	A+	10
1	20MH1A0201			**5**						**5**	5	5	**15**	A+	10
2	20MH1A0202						**4**			**4**	5	4	**13**	A+	10
3	20MH1A0203						**5**			**5**	5	4	**14**	F	0
4	20MH1A0204						**4**			**4**	5	4	**13**	F	0
5	20MH1A0205				**4**					**4**	5	5	**14**	A+	10
6	20MH1A0206				**4**					**4**	5	5	**14**	A+	10
7	20MH1A0207						**5**			**5**	5	5	**15**	A+	10
8	20MH1A0208								**4**	**4**	5	5	**14**	A+	10
9	20MH1A0209							**4**		**4**	4	3	**11**	B	8
10	20MH1A0210							**4**		**4**	5	5	**14**	A	9
11	20MH1A0211			**5**						**5**	5	5	**15**	A+	10
12	20MH1A0212		**4**							**4**	5	4	**13**	A	9
13	20MH1A0213	5								**5**	5	5	**15**	A+	10

14	20MH1A0214							**4**		**4**	5	5	**14**	A+	10
15	20MH1A0215						**5**			**5**	5	5	**15**	A+	10
16	20MH1A0216			**5**						**5**	5	5	**15**	A+	10
17	20MH1A0217						**5**			**5**	5	5	**15**	A+	10
18	20MH1A0218	4								**4**	4	3	**11**	A	9
19	20MH1A0219							**4**		**4**	5	5	**14**	A	9
20	20MH1A0220		**2**							**2**	5	5	**12**	A+	10
21	20MH1A0221			**5**						**5**	5	5	**15**	A+	10
22	20MH1A0222			**5**						**5**	5	5	**15**	A+	10
23	20MH1A0223					**4**				**4**	5	5	**14**	A	9
24	20MH1A0224						**5**			**5**	5	5	**15**	A+	10
25	20MH1A0225					**4**				**4**	5	4	**13**	A	9
26	20MH1A0226						**5**			**5**	5	5	**15**	A+	10
27	20MH1A0227								**3**	**3**	4	3	**10**	B	8
28	20MH1A0228						**5**			**5**	5	5	**15**	A+	10
29	20MH1A0229				**4**					**4**	5	3	**12**	A	10
30	20MH1A0230			**5**						**5**	5	5	**15**	A+	10
31	20MH1A0231						**5**			**5**	5	5	**15**	A+	10
32	20MH1A0232			**5**						**5**	5	5	**15**	A+	10
33	20MH1A0233			**5**						**5**	5	5	**15**	A+	10
34	20MH1A0234							**4**		**4**	4	4	**12**	A	10
35	20MH1A0235									**0**	5	4	**9**	F	0

36	20MH1A0236								**5**	**5**	5	4	**14**	F	0
37	20MH1A0237			**3**						**3**	4	3	**10**	B	8
38	20MH1A0238	3								**3**	5	5	**13**	B	8
39	20MH1A0239				**4**					**4**	4	3	**11**	B	8
40	20MH1A0240					**4**				**4**	5	5	**14**	A+	10
41	20MH1A0241						**4**			**4**	5	4	**13**	A	10
42	20MH1A0242			**5**						**5**	5	5	**15**	A+	10
43	20MH1A0243						**5**			**5**	5	5	**15**	A+	10
44	20MH1A0244			**5**						**5**	5	5	**15**	A+	10
45	20MH1A0245						**4**			**4**	5	5	**14**	A+	10
46	20MH1A0246			**5**						**5**	5	5	**15**	A+	10
47	20MH1A0247			**5**						**5**	5	5	**15**	A+	10
48	20MH1A0248								**4**	**4**	5	5	**14**	A+	10
49	20MH1A0249	4								**4**	4	4	**12**	B	8
50	20MH1A0250				**3**					**3**	4	3	**10**	B	8
51	20MH1A0251		**3**							**3**	5	5	**13**	A	9
52	20MH1A0252						**4**			**4**	4	4	**12**	A	9
53	20MH1A0253								**4**	**4**	5	5	**14**	A+	10
54	20MH1A0254		**3**							**3**	4	3	**10**	B	8
55	20MH1A0255						**5**			**5**	5	5	**15**	A+	10
56	20MH1A0256						**5**			**5**	5	5	**15**	A+	10
57	20MH1A0257		**5**							**5**	5	5	**15**	A+	10

58	20MH1A0258			**5**						**5**	5	5	**15**	A+	10
59	20MH1A0259				**4**					**4**	5	4	**13**	A	9
60	20MH1A0260								**4**	**4**	5	5	**14**	A+	10
61	20MH1A0261						**5**			**5**	5	5	**15**	A+	10
Class Average Mark		4.0	3.4	4.8	3.8	4.0	4.7	4.0	4.0	4.3	4.8	4.6	13.7		8.9
Student Scored above average mark		3	2	14	5	3	12	6	5	29	55	44	43	61	83
Students attempted the question		4	5	16	6	3	18	6	6	65	65	65	65	65	
% students scored above average mark		75	40	88	83	100	67	100	83	45	85	68	66	94	
Attainment level		2	1	3	3	3	1	3	3	1	3	1	1	3	

												Internal	**University Exam**	**Overall**
CO1	**2**					**1**		**3**		3	**1**	**3**	**3**	**3.00**
CO2		**1**	**1**	**3**			**3**			3	**1**	**2**	**3**	**2.70**
CO3					**3**					3	**1**	**2**	**3**	**2.70**
CO4				**3**		**1**						**2.33**	**3**	**2.80**
Overall Course attainment														**2.80**
Set target for course attainment														**2.40**
Status of the course attainment (Yes/No)														**Yes**

CO1	3.00
CO2	2.70
CO3	2.70
CO4	2.80

Base Target taken for CO:	2.40	Class average Mark: 8.5
Rubrics:		
>80% students	3	
80 to 70% students	2	Best performing Course Outcome: CO1
<70 % students	1	Least performing Course Outcome: CO3 , CO4

Reason for low attainment//Observations	
1	Labs experiments were conducted regularly
2	Revision of experiments were conducted.
Plan of Action for improvement	
1	Revision lab sessions for Optics related experiments
2	Detailed explanation of Experiments related to electric &magnetic fields
	Faculty Signature

PO ATTAINMENT

CO-PO matrix can be considered for concern subject and course attainment values can be taken from course attainment sheet. Po attainment can be computed by multiplying PO with CO values dividing by sum of PO values.

PO Attainment Table

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3												
CO2	2		2											2
CO3	3	2												
CO4	2													
CO5	2	2		2		2								
CO6	3		2											
Course	2.33	2.33	2	2		2								2

		CO ATTAINMENT												
		Course Name	Attainment											
		CO1	2.7											
		CO2	2.55											
		CO3	2.6											
		CO4	2.7											
		CO5	2.13											
		CO6	2.6											
PO ATTAINMENT:														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Overall PO Attainment	2.09	2.51	2.58	2.13		2.13								2.55

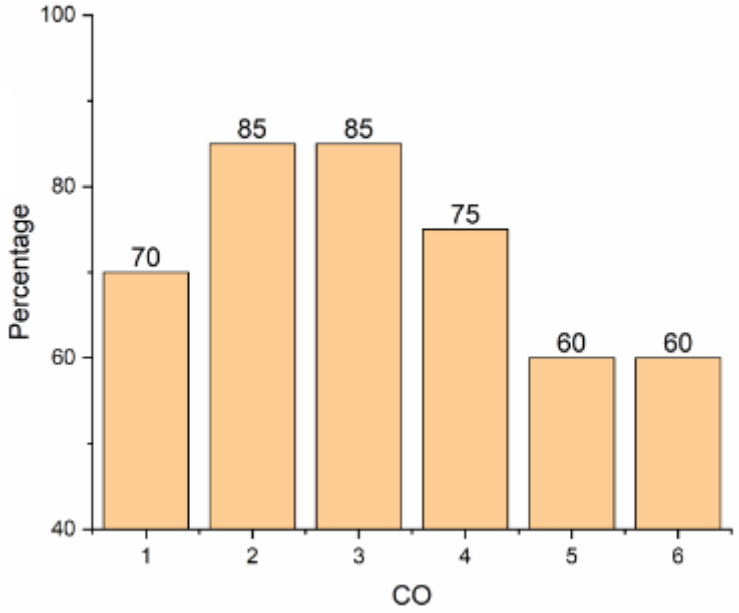
Feedback on course outcomes

The course outcomes are designed to identify the specific knowledge skills that a student acquires at the end of every course. These outcomes inform both the way students are evaluated in a course, therefore the institution collects feedback from the students on all the course outcomes through a survey method. Students will be given a questionnaire on course outcomes of the course. Then the students are asked to give an opinion of their understanding on all the course outcomes. The feedback forms are further analyzed and the results are presented in the form of bars. The sample feedback form is attached for the reference.

Course: Mathematics – I

Course Name	Course Outcomes	
Mathematics-I (CSE/ECE/IT/ EEE/MECH)	CO1	Utilize mean value theorems to real life problems
	CO2	Able to form differential equation from physical problems and to solve various first order differential equations.
	CO3	Solve the differential equations related to various engineering fields
	CO4	Familiarize with functions of several variables which is useful in optimization
	CO5	Apply double integration techniques in evaluating areas bounded by region
	CO6	Students will also learn important tools of calculus in higher dimensions. Students will become familiar with 2- dimensional and 3-dimensional coordinate systems

Bar representation of the CO feedback



8.4.2 Record the attainment of Course Outcomes of all First Year courses (5) **Institute Marks: 5.00**

Course Outcome attainment for the Academic Year 2020-2021

	Program Name: B.Tech (**EEE** – I SEM)												
S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6	Direct Course Attainment	Indirect Course Attainment	Final Course Attainment(80% of direct attainment+20% of indirect attainment)	Target	Status
1	C111	Communicative English	2.60	2.60	2.60	2.50	2.50	2.55	2.56	2.8005	2.6068	2.22	Yes
2	C112	Mathematics-I	1.30	1.15	1.23	1.23	1.23	1.23	1.23	2.8005	1.5401	2.50	No
3	C113	Mathematics –II	1.23	1.15	1.15	1.38	1.30	1.30	1.25	2.8033	1.5607	2.24	No
4	C114	Programming For Problem Solving Using C	1.23	1.20	1.20	1.30	1.40	1.30	1.27	2.8005	1.5768	2.24	No
5	C115	Engineering Drawing & Design	1.15	1.30	1.47	1.30	1.35	1.30	1.31	2.8005	1.6090	2.22	No
6	C116	English Communication Skills Lab	2.80	2.80	2.80	2.80			2.80	2.8975	2.8195	2.75	Yes
7	C117	Electrical Engineering Workshop	2.55	2.55	2.76	2.60	2.50	2.60	2.59	3	2.6747	2.00	Yes
8	C118	Programming For Problem Solving Using C Lab	2.64	2.63	2.60	2.70			2.64	3	2.7130	2.50	Yes
	Program Name: B.Tech (**EEE** – II SEM)												
S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6	Direct Course Attainment	Indirect Course Attainment	Final Course Attainment(80% of direct attainment+20% of indirect attainment)	Target	Status
1	C121	Mathematics-III	1.50	1.53	1.53	1.53	1.53	1.53	1.52	2.8005	1.7768	2.24	No
2	C122	Applied Physics	1.20	1.30	1.40	1.50	1.50	1.38	1.28	2.6995	1.5639	2.28	No
3	C123	Data Structures through C	1.53	1.38	1.50	1.40	1.38	1.45	1.44	2.7022	1.6904	2.25	No

4	C124	Electrical Circuit Analysis-I	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.6995	1.3399	2.31	No
5	C125	Basic Civil & Mechanical Engineering	1.23	1.20	1.10	1.15	1.15	1.15	1.16	2.8005	1.4901	2.55	No
6	C126	Applied Physics lab	2.40	2.60	2.40	2.40			2.45	2.7992	2.5198	2.00	Yes
7	C127	Basic Civil & Mechanical Engineering Lab	2.40	2.52	2.50	2.40			2.455	2.9016	2.5443	2.27	Yes
8	C128	Data Structures through C Lab	2.55	2.52	2.60	2.63			2.57	3	2.6560	1.58	Yes

Course Outcome attainment for the Academic Year 2019-20

	Program Name: B.Tech (**EEE** – I SEM)												
S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6	Direct Course Attainment	Indirect Course Attainment	Final Course Attainment(80% of direct attainment+20% of indirect attainment)	Target	Status
1	C111	English	2.67	2.67	2.75	2.75	2.75	2.75	2.72	2.9048	2.7570	2.26	Yes
2	C112	Mathematics-I	2.00	1.94	2.08	2.13	2.00	2.17	2.05	2.6905	2.1781	2.50	No
3	C113	Applied Chemistry	2.75	2.75	2.67	2.88	2.75	2.92	2.78	2.9048	2.8050	1.92	Yes
4	C114	Programming for Problem Solving Using C	2.81	2.88	2.80	2.88	2.81	2.92	2.85	2.9048	2.8610	2.30	Yes
5	C115	Engineering Drawing	1.88	2.00	2.00	2.00	1.92	1.92	1.95	2.5952	2.0790	2.13	No
6	C116	English Lab	2.33	2.33	2.47	2.47			2.40	2.7143	2.4629	2.75	No
7	C117	Applied Chemistry Lab	3.00	3.00	3.00	2.73			2.93	2.8929	2.9226	2.10	Yes

8	C118	Programming for Problem Solving Using C Lab	2.00	2.00	2.13	1.87			2.00	2.6071	2.1214	2.50	No
	Program Name: B.Tech (**EEE** – II SEM)												
S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6	Direct Course Attainment	Indirect Course Attainment	Final Course Attainment(80% of direct attainment+20% of indirect attainment)	Target	Status
1	C121	Mathematics – II	2.06	2.08	2.05	2.13	2.06	2.08	2.08	2.6905	2.2021	2.24	No
2	C122	Mathematics – III	1.44	1.31	1.40	1.44	1.19	1.33	1.35	2.5952	1.5990	2.20	No
3	C123	Applied Physics	1.25	1.25	1.38	1.31	1.19	1.25	1.27	2.9048	1.5970	1.99	No
4	C124	Fundamentals of Computers	1.33	1.33	1.25	1.42	1.42	1.42	1.36	2.6905	1.6261	1.45	Yes
5	C125	Electrical Circuit Analysis - I	1.17	1.25	1.25	1.42	1.33	1.25	1.28	2.5952	1.5430	2.20	No
6	C126	Electrical Engineering Workshop	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3	3.0000	2.14	Yes
7	C127	Applied Physics Lab	2.84	3.00	3.00	3.00			2.96	3	2.9680	2.37	Yes
8	C128	Communication Skills Lab	2.73	2.73	2.73	2.73			2.73	2.8929	2.7626	2.75	Yes
9	C129	Engineering Exploration Project	2.80	2.60	2.80	2.80	2.80	2.80	2.77	2.6905	2.7541	2.11	Yes

Course Outcome attainment for the Academic Year 2018-19

	Program Name: B.Tech (**EEE** – I SEM)												
S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6	Direct Course Attainment	Indirect Course Attainment	Final Course Attainment(80% of direct attainment+20% of indirect attainment)	Target	Status
1	C111	ENGLISH-I	1.90	1.70	1.85	2.15	2.00	1.90	1.92			2.26	No
2	C112	MATHEMATICS-I	2.70	2.85	2.78	2.80	2.85	2.85	2.80			2.50	Yes
3	C113	APPLIED CHEMISTRY	2.70	2.70	2.78	2.85	2.85	2.80	2.78			1.83	Yes
4	C114	COMPUTER PROGRAMMING	2.00	1.90	2.15	2.10	2.10	2.00	2.04			2.50	No
5	C115	ENVIRONMENTAL STUDIES	2.70	2.70	2.70	2.90	3.00	3.00	2.83			2.25	Yes
6	C116	ENGINEERING MECHANICS	2.60	2.85	2.70	2.70	2.85	2.78	2.75			2.16	Yes
7	C117	ENGLISH-COMMUNICATION SKILLS LAB-I	2.78	2.78	2.78	2.78			2.78			2.50	Yes
8	C118	C PROGRAMMING LAB	2.56	2.56	2.56	2.56			2.56			1.75	Yes
	Program Name: B.Tech (**EEE** – II SEM)												
S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6	Direct Course Attainment	Indirect Course Attainment	Final Course Attainment(80% of direct attainment+20% of indirect attainment)	Target	Status
1	C121	ENGLISH-II	2.90	2.90	2.70	3.00	2.90	2.93	2.89			2.47	Yes

2	C122	MATHEMATICS-II (MATHEMATICAL METHODS)	2.80	2.93	2.70	3.00	3.00	3.00	2.90			2.50	Yes
3	C123	MATHEMATICS - III	2.90	2.93	2.90	2.85	2.70	2.78	2.84			2.50	Yes
4	C124	ENGINEERING DRAWING	2.20	2.20	2.30	2.30	2.30	2.30	2.27			2.20	Yes
5	C125	APPLIED PHYSICS	2.23	2.20	2.15	2.20	2.30	2.08	2.19			1.83	Yes
6	C126	ELECTRICAL CIRCUIT ANALYSIS - I	2.85	2.93	2.93	2.85	2.85	2.80	2.87			2.20	Yes
7	C127	ENGLISH - COMMUNICATION SKILLS LAB - II	2.67	2.67	2.67	2.67			2.67			2.50	Yes
8	C128	ENGG. WORKSHOP & IT WORKSHOP	2.56	2.56	2.56	2.56			2.56			2.16	Yes
9	C129	APPLIED/ENGINEERING PHYSICS LABORATORY	2.56	2.56	2.56	2.56			2.56			2.12	Yes

8.5 Attainment of Program Outcomes from first year courses (20) Total Marks 20.00

8.5.1 Indicate results of evaluation of each relevant PO and/ or PSO, if applicable (15) Institute Marks: 15.00

POs Attainment

PO attainment for the Academic Year 2020-21

Semester-I																
S.no	**Course Code**	**Course Name**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
1	C111	Communicative English						2.60		2.56		2.55				
2	C112	Mathematics-I	1.23	1.22												
3	C113	Mathematics –II	1.25	1.24												
4	C114	Programming For Problem Solving Using C	1.27	1.27	1.27	1.28	1.28	1.30							1.28	1.29
5	C115	Engineering Drawing & Design	1.30	1.31			1.32									
6	C116	English Communication Skills Lab										2.80				
7	C117	Electrical Engineering Workshop	2.59		2.60			2.59		2.57	2.59			2.59	2.59	2.62
8	C118	Programming For Problem Solving Using C Lab	2.62	2.64	2.65											
Semester-II																
S.no	**Course Code**	**Course Name**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
9	C121	Mathematics-III	1.52	1.52												
10	C122	Applied Physics	1.39	1.38		1.45										1.50
11	C123	Data Structures through C	1.44	1.48	1.42											

12	C124	Electrical Circuit Analysis-I	1.00	1.00	1.00									1.00	1.00
13	C125	Basic Civil & Mechanical Engineering	1.17	1.16					1.16						
14	C126	Applied Physics lab	2.50	2.47							2.45				2.40
15	C127	Basic Civil & Mechanical Engineering Lab	2.45	2.44	2.46	2.45	2.47		2.46				2.40		
16	C128	Data Structures through C Lab	2.58	2.57	2.59	2.57	2.57	2.63							

PO attainment for the Academic Year 2019-20

Semester-I															
S.no	**Course Code**	**Course Name**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
1	C111	English						2.75		2.68		2.66				
2	C112	Mathematics-I	2.05	2.05												
3	C113	Applied Chemistry	2.79	2.78	2.78				2.79					2.79		
4	C114	Programming For Problem Solving UsingC	2.85	2.84	2.84	2.85	2.86	2.92							2.85	2.86
5	C115	Engineering Drawing	1.95		1.95		1.92									
6	C116	English Lab										2.41				
7	C117	Applied Chemistry Lab	2.95	2.91		3.00			3.00		2.93					
8	C118	Programming For Problem Solving Using C Lab	2.04	2.00	2.00											
Semester-II																
S.no	**Course**	**Course Name**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**

	Code															
9	C121	Mathematics-II	2.08	2.07												
10	C122	Mathematics-III	1.36	1.33												
11	C123	Applied Physics	1.27	1.30		1.31								1.21		1.31
12	C124	Fundamentals of computers	1.36	1.36	1.36						1.36			1.36		1.36
13	C125	Electrical Circuit Analysis-1	1.26	1.28	1.28										1.27	1.29
14	C126	Electrical Engineering Workshop	3.00		3.00			3.00		3.00	3.00	3.00		3.00	3.00	3.00
15	C127	Applied Physics Lab	2.95	2.95		3.00					2.96					3.00
16	C128	Communication skillLab										2.73				

PO attainment for the Academic Year 2018-19

Semester-I																
S.no	**Course Code**	**Course Name**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
1	C111	ENGLISH-I			1.70			1.90	2.00	1.93		1.92				
2	C112	MATHEMATICS-I	2.80	2.80												
3	C113	APPLIED CHEMISTRY	2.78	2.78	2.80				2.77					2.78		
4	C114	COMPUTER PROGRAMMING	2.04	2.04	2.04	2.04										
5	C115	ENVIRONMENTAL STUDIES	2.83					2.83	2.83					2.83		
6	C116	ENGINEERING MECHANICS	2.75	2.76			2.72									
7	C117	ENGLISH-COMMUNICATION SKILLS LAB-I									2.78	2.78				

8	C118	C PROGRAMMING LAB	2.56	2.56	2.56											
Semester-II																
S.no	**Course Code**	**Course Name**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
9	C121	ENGLISH-II	2.90		2.90	2.95		2.90	2.90	2.90		2.89				
10	C122	MATHEMATICS-II	2.90	2.90												
11	C123	MATHEMATICS - III	2.84	2.84												
12	C124	ENGINEERING DRAWING	2.27		2.27		2.30									
13	C125	APPLIED PHYSICS	2.18	2.19	2.11	2.08										
14	C126	ELECTRICAL CIRCUIT ANALYSIS - I	2.86	2.87	2.87										2.87	2.87
15	C127	ENGLISH - COMMUNICATION SKILLS LAB - II									2.67	2.67				
16	C128	ENGG. WORKSHOP & IT WORKSHOP	2.56	2.56					2.56		2.56			2.56		

TARGET

POTarget & Attainment for the Academic Year 2020-21

PO1	2.36
PO2	2.43
PO3	2.41
PO4	2.25
PO5	1.67
PO6	1.17
PO7	2.25
PO8	1.50
PO9	2.50
PO10	2.71
PO11	2.00
PO12	2.00
PSO1	2.15
PSO2	1.96

PO1	1.73
PO2	1.64
PO3	2.02
PO4	1.72
PO5	1.91
PO6	2.39
PO7	1.81
PO8	2.56
PO9	2.52
PO10	2.68
PO11	2.40
PO12	2.59
PSO1	1.47
PSO2	1.79

TARGET

POTarget & Attainment for the Academic Year 2019-20

PO1	2.31
PO2	2.26
PO3	2.37
PO4	2.23
PO5	1.80
PO6	1.50
PO7	1.67
PO8	1.65
PO9	2.23
PO10	2.71
PO11	1.50
PO12	1.35
PSO1	1.88
PSO2	1.79

PO1	2.22
PO2	2.19
PO3	2.25
PO4	2.64
PO5	2.39
PO6	2.86
PO7	2.84
PO8	2.84
PO9	2.73
PO10	2.68
PO11	2.78
PO12	2.44
PSO1	2.60
PSO2	2.49

TARGET

POTarget & Attainment for the Academic Year 2018-19

PO1	2.48
PO2	2.06
PO3	1.88
PO4	2.00
PO5	2.00
PO6	2.25
PO7	2.48
PO8	2.33
PO9	2.04
PO10	3.00
PO11	
PO12	1.50
PSO1	2.50
PSO2	2.50

PO1	2.63
PO2	2.63
PO3	2.41
PO4	2.43
PO5	2.51
PO6	2.63
PO7	2.65
PO8	2.41
PO9	2.66
PO10	2.56
PO11	
PO12	2.68
PSO1	2.87
PSO2	2.87

8.5.2 Plan of Action taken based on the results of evaluation of relevant POs (5) Institute Marks: 5.00

Academic Year	2020-2021

PO1 (Engineering Knowledge)

Target Level: 2.36 Attainment Level: 1.73 PO1 is not attained

Observations:

Attainment is good for the following subjects Electrical Engineering Workshop, Programming For Problem Solving Using C Lab, Basic Civil & Mechanical Engineering, Applied Physics lab, Data Structures through C Lab.

1. Explained fundamentals of coding concepts.
2. Students were trained for basic knowledge of flow charts in programming lab.
3. Fundamental knowledge required identify components was explained in workshop lab.
4. Explained fundamentals required calculation of wavelength , helped student to learn Applied physics lab activities.
5. Special attention given for explanation of engineering specialization.

Attainment is low for the following subjects Mathematics-I, Engineering Drawing & Design, Mathematics-III, Applied Physics, Data Structures through C, Electrical Circuit Analysis-I

6. .Lack of knowledge is basic science concepts related to physics.
7. Inadequate knowledge in basic Mathematical concepts.
8. Student has not enough knowledge in vector basics that require three dimensional imaginations.
9. Students have difficulty in simplification of circuit related problems.
10. Lack of understanding on concept of data structures.

Plan of Action

1. Extra classes are to be conducted to improve basic knowledge in mathematics and engineering sciences
2. Additional hours will be allotted to train the students in vector basics.
3. Visualization of vector basics that requires three dimensional imaginations will be facilitated by means of ICT based teaching aids.
4. Model based assignments will be given for clear visualization of concepts of data structures.
5. Proposed to conduct classes especially for identification of electrical components to connect circuits.

PO2 (Problem Analysis)

Target Level: 2.43 Attainment Level: 1.64 PO2 is not attained

Observations:

Attainment is good for the following subjects Electrical Engineering Workshop, Programming For Problem Solving Using C Lab, Basic Civil & Mechanical Engineering, Applied Physics lab, Data Structures through C Lab.

1. Every component identification is explained in electrical engineering workshop.

2. Analysis of wavelength was given much priority in Applied physics lab and results are validated.
3. Flow chart analysis given special attention in data structures lab.

Attainment is low for the following subjects Mathematics-I, Programming For Problem Solving Using Engineering Drawing & Design, Mathematics-III, Data Structures through C, Electrical Circuit Analysis-I.

4. Lack of understanding on change of order and change of variables in double integration
5. Students need to trained for conversion of different two port network parameters.
6. Complexity in the conversion of orthographic views to isometric views
7. Lack of skills in understanding in coding concepts.
8. Difficult to analyse optics problems in Applied physics.

Plan of Action

1.Basic concepts of Applied physics was explained from videos and remedial classes.

2.Conducted extra tutorial hours for practice on C-language programs.

3.Introducing curve tracing to improve multiple integrals problems.

4.Showing different types of views of 3D objects in presentation to ease the visulatisation of isometric projection and orthographic projections

PO3 (Design/Development of Solutions)

Target Level: 2.41 Attainment Level: 2.02 PO3 is attained.

Observations:

1. Attainment is good for the following subjects Electrical Engineering Workshop, Programming For Problem Solving Using C Lab, Basic Civil & Mechanical Engineering lab, Applied Physics lab, Data Structures through C Lab.
2. Explained Designing of optical fibers by NPTEL lectures , helped student to learn easily development of optical communication.
3. Flow chart designing is practiced by giving various assignments.

Attainment is low for the following subjects Programming For Problem Solving Using Electrical Circuit Analysis-I, , Data Structures through C.

4. Complexity in the conversion of orthographic views to isometric views of its design.
5. Lack of analysing data in machines.
6. Lack of understanding of dynamic memory allocation, string manipulations and its corresponding functions

Plan of Action

1.An extra hour is planned to explain the concept of Hall effect and application by animated videos.

2. Planned to give assignment to practice more examples on switching conditions.

3.Conducting hands on session with example programs.

4.The students are encouraged to attend NPTEL and Virtual Lab sessions for enhancing their ability to design solutions of problems in the subject.

PO4 (Conduct Investigations of Complex Problems)

Target Level:2.25 Attainment Level: 1.72 PO4 is not attained

Observations:

Attainment is good for the following subjects Basic Civil & Mechanical Engineering lab, Data Structures through C Lab.

1. Explained research methods include including design of experiments explained in data structures lab.
2. Explained importance of modern tool AUTOCAD in Basic civil and mechanical engineering.

Attainment is low for the following subjects Programming For Problem Solving Using C,Applied physics.

3. Students felt difficult in investigation of isometric views to orthographic views
4. 2.Unable to interpret data in the complexity of spectroscopic analysis.
5. Difficulty in understanding the concept related to design, development and program-oriented courses.

Plan of Action

1.ICT based teaching is to be enhanced to explain and solve problems.

2.Planned to Show different types of views of 3D objects in presentation to ease the visualization of isometric projection and orthographic projections

3 Students need to practice more problems on orthographic views and isometric views

4. Proposed to increase tutorial classes for Programming subjects.

PO5 (Modern tool usage)

Target Level: 1.67 Attainment Level: 1.91 PO5 is attained.

Observations

Attainment is good for the following subjects Basic Civil & Mechanical Engineering lab, Data Structures through C Lab.

1. Explained importance of modern tool impact data structures at initial level.
2. Explained appropriate techniques for Basic civil & mechanical.

Attainment is low for the following subjects Programming For Problem Solving Using C,Applied physics.

1.Student skills should Slightly improved for coding

2.Students failed to attend the training sessions based on application oriented programme

Plan of Action

1. Proposed to Conduct extra classes on coding.

2. Showing different types of views of 3D objects in presentation to ease the visualization of isometric projection and orthographic projections
3. Tutorial hour on drawing and interpreting graphs for instrumental methods of analysis is to be planned.
4. Planned to give assignments related to relation between two port network parameters
5. More practice sessions are needed to improve programming skills.

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PO6 (The Engineer & Society)

Target Level: 1.17 Attainment Level: 2.39 PO6 is attained.

PO6 attainment is very good as compared with the set target.

Attainment is good for the following subjects Data Structures through C Lab,Electrical Engineering Workshop.

Observations:

1. Conducted seminars on data structures
2. Explained identification of electrical parameters to connect Electrical circuits in workshop lab.

3.Conducted motivational classes by motivational speakers.

Plan of Action

1.ICT enabled teaching (Power point) on advanced topics of Electrical circuits.
Proposed to conduct seminars on coding

2.Planned to provide problem solving questions and giving last half an hour in lab to practice
3.Conduct quiz test after completion of every unit.
4.Students are encouraged to take part in Non-governmental organizations that helps to to create awareness on problems on society leading engineering solutions.

PO7 (Environment &Sustainability)

Target Level: 2.25 Attainment Level: 1.81 PO7 is attained.

Attainment is good for the following subjects Basic Civil & Mechanical Engineering lab.

Observations:.

1. Explained about disruption of human culture and real life.

Attainment is low for the following subjects Basic Civil & Mechanical Engineering .

2. Understand the impact of the professional engineering solutions related to Civil mechanical Engineering should be practiced.

Plan of Action

1.Extra sessions taken by experts towards creating environmental awareness and problems facing.
2.Planned to conduct sessions on awareness towards Understand the impact of the professional engineering solutions

PO8 (Ethics)

Target Level: 1.5 Attainment Level: 2.56 PO8 is attained.

PO8 attainment is very good as compared with the set target.

Attainment is good for the subjects Communicative English, English Communication Skills Lab

Observations:

1.Students understood the value of following culture and tradition remembering the ethical values.
2.Students are encouraged to follow the suggestions given by Jawaharlal Nehru to Indira Gandhi
3.Students are motivated to use the time professionally by reading the biographies of Legendary scientists and entrepreneurs

Plan of Action

1.Planned to conduct more number of seminars/guest lectures on ethics.

2. Planned to create awareness forStudents to understood the importance of ethics and moral values in life, which will take to great heights.
3.Lectures and awareness/ motivational programmes are conducted. Career readiness program, corporate lectures and motivational talks are arranged to face the real life situations.
4. To encourage students to Participate in Co-Curricular activities and extra curricular activities to promote commitment to ensure that ethical principles and an understanding of sportsmanship and that participation is more important than winning..

PO9 (Individual & Team work)

Target Level: 2.5 Attainment Level: 2.52 PO9 is attained.

PO9 attainment is good as compared with the set target. Attainment is good for the subjects Electrical

Engineering Workshop, Applied Physics lab.

Observations:

1. Students are encouraged to work together in during lab session.
2 Inculcated good awareness on the importance of team work.
Explained importance of working together in teams and analyzing results individually during Physics and chemistry labs.
3.The students seem ready to work both individually and as a team. This aspect is constantly encouraged in every aspect and stage of programme.

Plan of Action

1. Planned to motivate students towards group work.
2. Proposed to arrange awareness on the importance of team work.
3. The laboratory activities is planned in the way such the students learn to work in a team and can create a good environment..

PO10 (Communication)

Target Level: 2.71 Attainment Level: 2.68 PO10 is attained.

PO10 attainment is good as compared with the set target. Attainment is good for the

subjectsCommunicative English, English Communication Skills Lab.

Observations:

1. Students have a good knowledge on language skills.
2. Students can follow the rules and structures of language and grammar.
3. Students are motivated to communicate without any fear and encouraged to express their ideas clearly.

4. Communication skills are introduced here in the form of Poster Presentation.
5. English Lab: Communication skills are more into picture and the learner has faced problems with patterns of Stress and Pronunciation.

Plan of Action

1.Planned to develop the verbal ability of the students by arranging verbal activities.
2. Make the students to communicate clearly themselves in expression of ideas and written Communication through various activities.
3.Planned to conduct more number of oral presentations in order to come out of stage fear. Conduct talk show sessions with task oriented conversations

5. Report writing and presenting report as a group or team is planned .

6. Extra sessions are planned for communication and soft skill classes.

PO11 (Project Management & Finance)

Target Level: 2.00 Attainment Level: 2.40 PO11 is attained.

PO11 attainment is very good as compared with the set target.

Attainment is good for the subjectBasic Civil & Mechanical Engineering Lab.

Observations:

1.Explainedunderstanding of the management principlesof the efficiency of boilers.
2.It has enhanced the capability of students to find solution for real time problems in Basic Civil & Mechanical Engineering Lab.

Plan of Action

1.Proposed to conduct awareness towards project fundamentals.
2.Planned to arrange sessions relates projects in engineering on social issues for multidisciplinary environment.

PO12 (Life-long Learning)

Target Level: 2.00 Attainment Level: 2.59 PO12 is attained.

PO12 attainment is very good as compared with the set target.

Attainment is good for the subjectElectrical Engineering Workshop.

Observations:

Target achieved

1. Students are trained to identify Electrical engineering components .

2.More number of models were explained for students better understanding.

Plan of Action

1. Students active participation will be made mandatory in upcoming workshops.

2. Planned to synchronise theory concepts with practical applications.

PSO1

Apply the fundamental knowledge of mathematics, science, electrical and electronics engineering to analyse and solve the complex problems in electrical, electronics and allied interdisciplinary areas.

Target Level: 2.15 Attainment Level: 1.47 PSO1 is not attained

PSO1 attainment is very good as compared with the set target.

Observations:

PSO1 Attainment is very good for the subject Electrical Engineering Workshop

1. Demonstrated fundamental knowledge of electrical connections.
2. Analysis of data in Electrical engineering Workshop is explained.
3. PSO1 Attainment is low for the subjectsProgramming For Problem Solving Using C, Electrical Circuit Analysis-I.

Plan of Action

1. Extra sessions will be planned to conduct for Programming subjects.
2. Planned to use innovative teaching methods for electrical circuits.

PSO2

Design, develop and implement electrical and electronics and allied interdisciplinary projects to meetthe demand of industry and to provide solutions to the current real time problems.

Target Level: 1.96 Attainment Level:1.79 PSO2 Attained

PSO2 attainment is good as compared with the set target.

Attainment is good for the subjectElectrical Engineering Workshop, Applied Physics lab

Observations:

1. Design of circuits for electrical and magnetic fields were explained in Applied physics lab
2. PSO2 Attainment is low for the subjectsProgramming For Problem Solving Using C, Electrical Circuit Analysis-I.
3. More focus is required for design of Electrical circuits, crucial for Electrical engineers
4. Special practice is need for Designing of Flow charts and finding solutions for real time problems.

Plan of Action

1. Students will be motivated to make use of computer aided tools.

3.Proposed to conduct workshops on modelling of various systems at initial stage.
Illustration about the non conventional methods of generation was made through certain real world video clips.
4.Planning to taught Real time examples for better understanding of concepts and the design process will be taught to the students.

Academic Year	2019-2020

PO1 Target Level: 2.31Attainment Level: 2.22
Observations:
Target not achieved
1.Lack of knowledge is basic science concepts.
2.Iinadequate knowledge in basic Mathematical concepts.
3. Lack of computer basics.
Actions:
1.Additional classes are planned to improve the Basic concepts in sciences.
3.More practice sessions are to be conducted for computer basics.

PO2 Target Level: 2.26 Attainment Level: 2.19

Observations:
Target not achieved
1.Lack of practice is solving problems.
2.Lack of programming practice.
3.More practical sessions are needed.
Actions:
1.Students will be trained to increase basic knowledge in numerical through tutorial hours.
2.students are to be motivated to apply theoretical knowledge to practical problems using PPT and Videos.
3.students are to be trained to increase the basic knowledge in programming language through ICT tools.

PO3 Target Level: 2.37 Attainment Level: 2.25
Observations:
Target not achieved
1. Difficulty in understanding the concept related to design , development and problem oriented courses.
2. Lack of focus in understanding the engineering applications.
3. Lack of practice in solving problems
Actions:
1.ICT based teaching is to be enhanced to explain and solve problems
2. Minor projects/models are to be prepared to visualise the concepts.
3.More number of practice sessions are to be conducted.
4.Students are to be motivated to participate in technical events in reputed institutes to gain more exposure

PO4 Target Level: 2.23 Attainment Level: 2.64

Observations:
Target achieved
1.Previous question papers were discussed frequently.
2.Class tests were conducted regularly and done review based on the performance.
Actions:
1.Planning to discuss previous question papers in next years.
2.Planning to conduct more revision classes.
3.Planning to conduct more workshops on designing.

PO5 Target Level: 1.8 Attainment Level: 2.39
Observations:
Target achieved

1. Conducted guest lectures on MATLAB and Python
2.Persons from industries visited the campus and delivered lectures.
3. Web sources are used to explain online circuit designing

Actions:

1.Virtual labs are to be introduced
2.More sessions of practical's to be conducted.
3.Course related workshops are to be conducted.

PO6 Target Level: 1.5 Attainment Level: 2.86

Observations:

Target achieved
1. Conducted class tests regularly.
2. Monitoring students attendance regularly.

Actions:

1.Train the students to answer the questions in a more proper way
2.Planning to involve students in learning process through question & answer sessions

PO7 Target Level: 1.67 Attainment Level: 2.84

Observations:

Target achieved
1. Explained the concepts related to environmental sustainability.
2. Explained about disruption of human culture and real life.

Actions:

1. Question bank is to be given.
2.Revision classes will be conducted by choosing important topics related to environment and its sustainability.

PO8 Target Level: 1.65 Attainment Level: 2.84

Observations:

Target achieved
1. Workshop on Ethical values might have helped a lot for students to improve ethical values.
2. Conducted motivational classes by motivational speakers.

Actions:

1.Planning to conduct more number of seminars/guest lectures on ethics.

PO9 Target Level: 2.23 Attainment Level: 2.73

Observations:

Target achieved

Observations

1.Conducted number of activities during lab sessions

2.Activity based learning helps the student to enhance communication skills

Plan of Actions:

1.The same methods and techniques will be followed for the coming semesters, in amore effective way

2.Planning to Focus more on application oriented problems.

PO10 Target Level: 2.71 Attainment Level: 2.68

Observations:

Target not achieved
1. Most of the students from rural background and are lagging in communication skills.
2. Rural students are having Mother Tongue Influence and fear in using English as Language

Medium

Actions:

1. Planning to develop the verbal ability of the students.
2. Make the students to express themselves clearly in speech and writing by planning to conduct more number of activities.
3. Planning to conduct more number of motivational sessions to come out of fear and shyness.

PO11 Target Level: 1.5 Attainment Level: 2.78

Observations:

Target achieved

1.It has enhanced the capability of students to find solution for real time problems.
2.Students has learn to find a solution for various real time problems and can use this knowledge in their future projects.

Actions:

1.Projects can increase the capability of students in practical knowledge.
2.projects in engineering on social issues can develop a good relationship for engineering students with the society.

PO12 Target Level: 1.35 Attainment Level: 2.44

Observations:

Target achieved

1)Project models were explained for student understanding purpose
2)More number of models were explained for students better understanding.

Actions:

1. Students active participation will be made mandatory in upcoming workshops.
2. Planning to synchronise theory concepts with practical applications.

PSO1 Target Level: 1.88 Attainment Level: 2.60

Observations:

Target achieved

1. Basic concept of science and Mathematics were explained.
2. Frequent development of solutions in different fields were discussed.

Actions:

1.students will be motivated by explaining the Mathematics applications to Engineering courses.
2.Planning to conduct more workshops and guest Lecturer on domain specific areas.

PSO2 Target Level: 1.79 Attainment Level: 2.49

Observations:

Target achieved

1. Explain the thermal cycles topics with the help of thermal Engineering Laboratories
2. Explained the concepts of drawing and design which are useful in manufacturing.

Actions:

1. Students are to be motivated to make use of computer aided tools.
2. Students are to be taken to visit the industries to gain the exposure.

Academic Year	2018-2019

PO1 (Engineering Knowledge)

Target Level:2.48 Attainment Level: 2.63
Target achieved

Observations:

1. Engineering &its applications were practiced.
2. Introduction classes were given much time.
3. .Inadequate knowledge in basic Mathematical concepts was practiced.

Plan of Action:

1. Proposed to focus on basic science concepts.
2. Planned to conduct introduction classes for one week at the beginning.
3. Proposed to focus on computer basics.

PO2 (Problem Analysis)

Target Level: 2.06 Attainment Level: 2.63
Target achieved
Observations:

1. Conducted Assignments& Tests.
2. Problems with examples were practiced.
3. Practice sessions were conducted.
4. Previous papers was discussed regularly.

Plan of Action:

1) Proposed to Focus more on formulae for better solving problems
2) Planned to Explain derivation thoroughly to prove the condition
3) Planned to focus validate result every time.
4) Planned to Explain the problem with practical applications.
5) Planned to analyse results whether feasible or not.
6) More number of problems will be practiced.

PO3 (Design/Development of Solutions)

Target Level:1.88 Attainment Level:2.41
Target achieved
Observations:

1. Designing of circuits was explained
2. Flow chart design given special attention
3. Focused on developing solutions based on designing

Plan of Action:

1. Planned to focus on Difficult concept related to design , development and problem oriented courses.
2. More focus will be given in understanding the engineering applications.
3. Planned to spend more time on practicing in solving problems

PO4 (Conduct Investigations of Complex Problems)

Target Level:2.00 Attainment Level: 2.43
Target achieved
Observations:

1. Questions was asked regularly on basic formulae to improve solving skills of problems.
2. Given special attention given for investigation of difficult topics.

Plan of Action:

1. Previous question papers will be discussed frequently.
2. Class tests will be conducted regularly and done review based on the performance.

PO5 (Modern tool usage)

Target Level: 2.00 Attainment Level: 2.51
Target achieved

Observations:

1. Specially focused on student behaviour.
2. Industrial visits was organized for modern tool use.

Plan of Action:

1.Planned to Conduct guest lectures on MATLAB and Python
2.Persons from industries will be invited to deliver lectures.
3. Web sources will be used to explain online circuit designing

PO6 (The Engineer & Society)

Target Level: 2.25 Attainment Level: 2.63
Target achieved

Observations:
Focused more on student activities.

Plan of Action:

1. Planned to Conduct class tests regularly

2. Monitoring students attendance will be done regularly

PO7 (Environment &Sustainability)
Target Level: 2.48 Attainment Level: 2.65
Target achieved

Observations:
Awareness of environmental studies is explained.
Understanding of eco system given more time to explain.

Plan of Action:

1. Environmental sustainability is the capacity to improve the quality of human life while living within the carrying capacity of the earth's supporting ecosystems so proposed to conduct more classes on this topic.

2. Proposed to arrange guest lecture on Environmental sustainability . Environmental sustainability is about stabilizing the currently disruptive relationship between earth's two most complex systems: human culture and the living world.

PO8 (Ethics)

Target Level: 2.33 Attainment Level: 2.41
Target achieved

Observations:
Lack of time to conduct motivational classes by motivational speakers.

Plan of action:
1. Planning to conduct motivational classes by motivational speakers.
2. Planning to arrange debate on ethics among students.

PO9 (Individual & Team work)

Target Level:2.04 Attainment Level: 2.66
Target achieved
Observations:
1) Students failed to work together in taking readings during lab session.
2) Lack of awareness on the importance of team work.

Plan of action:

1.Planned to motivate students towards lab session.
2.Proposed to arrange of awareness on the importance of team work.

PO10 (Communication)
Target Level: 3.00 Attainment Level: 2.56
Target not achieved
Observations:
Rural students are having Mother Tongue Influence and fear in using English as Language

medium.

Plan of action:
1. Planned to arrange special classes on communication skills
2 .Rural students will be given special training on Communication skills.

PO11 (Project Management & Finance)

Target Level: 0 Attainment Level: 0
Observations:
This PO is not mapped with present curriculum
Plan of action:

This PO will be mapped with curriculum in the 3rd year.

PO12 (Life-long Learning)

Target Level: 1.5 Attainment Level: 2.68
Target achieved

Observations:

1. Explained water analysis in Engineering chemistry correlating with life long learning.
2.Explained impact of sustainable development of environment in environmental studies.
3.Studetnts are motivated to face real time situations connected with chemical science.

Plan of action:

1. Planned to follow the same practice , in addition to it include some activities which are useful in real life

PSO1 Target Level: 2.5 Attainment Level: 2.87

Observations:

Target achieved

1. Basic concept of science and Mathematics were explained.
2. Frequent development of solutions in different fields were discussed.

Actions:

1. Students will be motivated by explaining the Mathematics applications to Engineering courses.
2. Planning to conduct more workshops and guest Lecturer on domain specific areas.

PSO2 Target Level: 2.5 Attainment Level: 2.87

Observations:

Target achieved

1. Explain the thermal cycles topics with the help of thermal Engineering Laboratories
2. Explained the concepts of drawing and design which are useful in manufacturing.

Actions:

1. Students are to be motivated to make use of computer aided tools.
2. Students are to be taken to visit the industries to gain the exposure.

CRITERION 9	STUDENT SUPPORT SYSTEMS	50

9. STUDENT SUPPORT SYSTEMS (50)

9.1 Mentoring System to Help at Individual Level (5)

Type of mentoring: Professional guidance/career advancement/course work specific/laboratory specific/all/round development. Number of faculty mentors: Number of students per mentor: Frequency of meeting:

Type of Mentoring: students are counseled for academic improvement, career improvement and personality development

(The institution may report the details of the mentoring system that has been developed for the students for various purposes and also state the efficacy of such system)

Mentoring System to Help at Individual Levels:

1. Details of Mentoring System:

The meeting of the members of the college committee will be held in the beginning of the academic year to propose and plan for the activities during every academic year which will be recorded as minutes. Committee consists of faculty members at various levels along with student members. Institute has unique mentoring system in which 20 to 25 students are allotted to one faculty mentor based on the strength of faculty and students and all details of the students such personal and academic performance will be recorded. Faculty mentors regularly monitor the students' activities, performance, behavior and psychological factors, if any.

Faculty mentor interacts with the students and try to find the reasons for not performing in academics and also will try to identify any other problem such as stress related issue and he/she will referred to counselors, if needed. Faculty members are always advised to attend the training programmes relevant to mentoring/counseling. All the students are motivated to participate in various co/curricular /extra/curricular activities/programmes conducted on/campus/off/campus and similarly, faculty members are also encouraged to participate in all the professional activities with an aim to groom the students with all/round development and faculty members with improved performance. Strict confidentiality will be maintained during the process of counseling of students. If problem is serious then that student will be taken to Psychiatrist/Psychologist with intimation to his/her parent.

Parent meetings are conducted once in a semester and the attendance and performance of their wards, policies of the Institute and other matters related to academics, placements will be briefed them. Apart from this, follow/up sessions will be carried out by the faculty members regularly. All the parents are appraised with the data of their wards individually and suggestions will be given to improve their ward's performance and at the same time, feedback from the parents also will be taken which will be recorded.

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Department of Electronics & Communication Engineering

Class Time Table

Class: II-B.TechECE-A | 2021-22 | Sem: I | W.E.F- 20-10-2021 | LH:- RB-217

	I 9:30-10:20	II 10:20 -11:10	III 11:10-12:00	IV 12:00-12:50	12:50-1:50	V 1:50-2:40	VI 2:40-3:30	VII 3:30-4:20
MON	SS	STLD	RVSP	RVSP		EDC	STLD/EDC(T)	LIB
TUE	EDC	EDC/STLD LAB			LUNCH	STLD/EDC(T)	SEM	SPORTS
WED	M3	EDC	SS	RVSP		EDC/STLD LAB		
THU	SS	M3	RVSP/SS(T)	RVSP		STLD	EDC	INT
FRI	RVSP	SS	M3	EDC		EDC	SS/M3(T)	CO-C/SS/DA
SAT	STLD	M3/RVSP(T)	RVSP	COUN		JAVA LAB		

*(T) – Tutorial Concern Faculty

Course Code	University Code	Course Name	Name of the Faculty	Course Code	University Code	Course Name	Name of the Faculty
C211	R2021011	M3: Mathematics-III	Mrs. Ch.Satya Lakshmi	C218	R2021047	STLD LAB:Switching Theory& Logical Design Lab	Mrs.P.Mamathadevi/ Mr.S.Siva Prasad
C212	R2021041	EDC: Electronics & Device Circuits	Mrs.Ch Janaki Devi	SPORTS		SPORTS	Mr.S.Siva Prasad
C213	R2021042	STLD: Switching Theory and Logic Design	Mrs.PMamathadevi	COUN		COUNCELLING	Mr.V.Kiran
C214	R2021043	SS:Signals& Systems	Mr.S.Siva Prasad	INT		INTERNET	Mrs.Ch Janaki Devi
C215	R2021044	RVSP:Random Variables & Stochastic Processes.	Mr.V.Kiran	SEM		SEMINAR	Mr.M.Suresh
C216	R2021045	JAVA LAB: OOPS Through JAVA LAB	Mr.Giridhar	CO-C/SS/DA		Co-curricular Activities	Mrs.P.Mamathadevi
C217	R2021046	EDC LAB: Electronic Device Circuits LAB	Mrs.Ch Janaki Devi/ Mrs.Y.Sugandhi Naidu	LIB		LIBRARY	Mr.V.Kiran

Class In-Charge | Dept. Time Table Coordinator | Head of the Department

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Class: II-B.Tech EEE-A | A-Y: 2021-22 | Sem: I | Class Time Table | W.E.F- 08-10-2021 | LH:- NB-103

DAY	1 9:30-10:20	2 10:20-11:10	3 11:10-12:00	4 12:00-12:50	12:50-1:50	5 1:50-2:40	6 2:40-3:30	7 3:30-4:20
MON	EMF	DCM&T	GD/ Co-C/ DA/SS	ECA-II		M-IV	PE&M	COUN
TUE	DCM&T	EDC(T)/ ECA-II(T)	Skill Course			LIB	M-IV	PE&M
WED	EDC	Electrical Circuits Lab/ Electronic Devices Circuits Lab				DCM&T	M-IV(T)/EDC(T)	EDC
THU	EDC	SEM	DCM&T (T)/ EMF(T)	ECA-II	LUNCH	Electrical Circuits Lab/ Electronic Devices Circuits Lab		
FRI	ECA-II	EMF	EMF(T)/ DCM&T (T)	DCM&T		Skill Course		SPORTS
SAT	M-IV	DC Machines & Transformers lab				INT	ECA-II(T)/ M-IV(T)	EMF

*(T) – Tutorial Concern Faculty

Course Code	University Code	Course Name	Name of the Faculty	Course Code	University Code	Course Name	Name of the Faculty
C211	R2021021	M-IV-Mathematics–IV	Ms.G.Parvathi	C217	R2021027	DCM&T LAB- DC Machines and Transformers Lab	Mr.D.TataRao Mr T.Lakshminarayana Mr B Veeraiu
C212	R2021022	EDC-Electronic Devices and Circuits	Ms.T.Hima Bindu	C218	R2021028	EDC LAB-Electronic Devices and Circuits lab	Ms. T.Hima Bindu Mrs.T.Krishna Mohana
C213	R2021023	ECA-II- Electrical Circuit Analysis –II	Mr. Ch.Manoj	INT		Internet	Mr. M. Balu
C214	R2021024	DCM&T- DC Machines and Transformers	Mr.K.Manoz Kumar Reddy	LIB		Library	Mr. T.Lakshminarayana
C215	R2021025	EMF- Electro Magnetic Fields	Mr.D.TataRao	COUN		Counseling	Mr.T.Lakshminarayana Mr. Y.Srinivas Mrs.T. Himaja Mrs. T.Padmajarani

System of Mentoring:

The following system at institute level is being followed:

Number of faculty mentors : 126

Number of students per mentor : 20 (Max.)

Frequency of mentoring : Once in a week

2. Type of Mentoring System:

(a) Academic Support Programmes:

All the students are supported at Institute level with counseling services, peer support interventions and psycho/educational assessments as per the need to address issues such as test anxiety, Study skills, learning differences, academic goal setting, test/taking skills, concentration and memory related concerns and time management issues.

(b) Career Development Programmes:

Students are assisted in making decisions related to their career and development and they are asked to collaborate with placement and training cell for their betterment. Career guidance and one/to/one counseling services will be provided to the students periodically as well as when they needed to address the issues such as Psycho/educational assessment, Career related information/courses, Scholarships etc.

(c) Personal Counseling:

Personal counseling will be provided to the students with an objective to provide better mental health care, to help the students develop their coping skills and to provide proper therapeutic support as when required. Counseling will be provided as one/to/one service and based on referrals to address the issues Relationship and adjustment issues, Stress related concerns, issues relating to self/esteem and personal growth, Body image and eating disorders, Substance abuse and other addictions, Depression and suicidal tendencies, Auto suggestions, sleeping related problems.

(d) All – Round Development:

Students are encouraged to participate in cultural, literary and sports activities to develop their individual qualities/traits such as leadership traits, decision/making capability, team spirit, socio/psychological awareness, organizing skills and expected a student to develop himself/herself overall personality and intellectually integrated person.

(e) Crisis Management

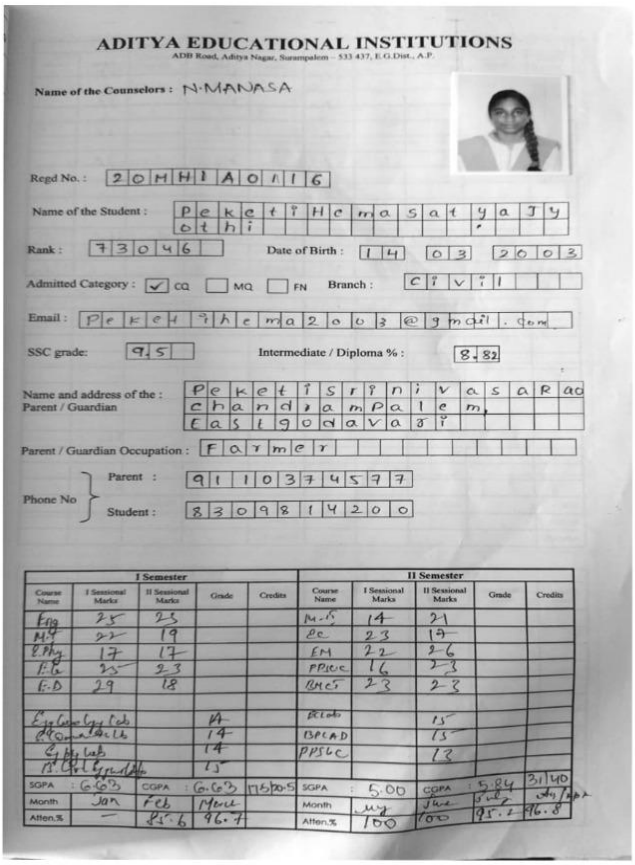
Students are supported with immediate and short/term intervention during personal crisis and proper guidance will be provided at appropriate centers with therapeutic support as and when necessary. Support will be mobilized with immediate action through telephone and/or online and through personal counseling to address the issues such as suicide cases, Clinical depression, Substance abuse, other stress related crises. Based on the above factors the following programs were conducted in the last three academic years.

3. Efficacy of Mentoring/Counseling System:

The mentoring/counseling system developed by the college has proved to be effective and it is being implemented with the following parameters:

S.No.	Parameters	Efficacy
1	Academic counseling	Enhanced / improved
2	Higher studies	Based on counseling, many students went to higher studies.
3	Co/curricular activities	Students were participated in many sports events and won the prizes also.
4	Students attendance	Improved

<u>Students and Faculty Interaction Format</u>: The following format is being used and all the observations will be recorded while interacting with the students along with the student profile.



ADITYA EDUCATIONAL INSTITUTIONS

ADB Road, Aditya Nagar, Surampalem – 533 437, E.G.Dist., A.P.

Name of the Counselors : N.MANASA

Regd No. : 20MH1A0116

Name of the Student : Peketi Hemasatya Jyothi

Rank : 73046 Date of Birth : 14 03 2003

Admitted Category : ☑ CQ ☐ MQ ☐ FN Branch : Civil

Email : pekethemasatya2003@gmail.com

SSC grade: 9.5 Intermediate / Diploma % : 8.82

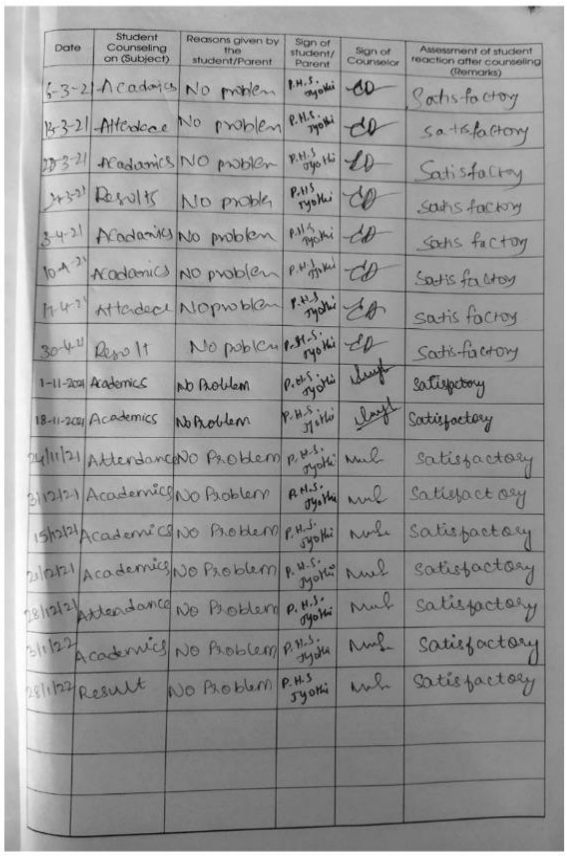
Name and address of the Parent / Guardian : Peketi Srinivasa Rao, Chandrampalem, East Godavari

Parent / Guardian Occupation : Farmer

Phone No Parent : 9110375477

Phone No Student : 8309814200

I Semester					II Semester				
Course Name	I Sessional Marks	II Sessional Marks	Grade	Credits	Course Name	I Sessional Marks	II Sessional Marks	Grade	Credits
Eng	25	23			M-III	14	21		
M-I	22	19			Ec	23	17		
E.Phy	17	17			EM	22	26		
E.Ec	25	23			PPSC	16	23		
E.D	29	18			CMES	23	23		
Eng Lab			A		RCAD		15		
Phy Lab			14		ISPCAD		13		
C Prg Lab			14		PPSLC		13		
IT Lab			13						
SGPA : 6.63	CGPA : 6.63		115.5		SGPA : 5.00	CGPA : 5.84		311.40	
Month	Jan	Feb	March		Month	May	June	July/Aug	
Atten.%	—	81.6	96.7		Atten.%	100	100	95.2	96.8



Date	Student Counseling on (Subject)	Reasons given by the student/Parent	Sign of student/ Parent	Sign of Counselor	Assessment of student reaction after counseling (Remarks)
5-3-21	Academics	No problem	P.H.S Jyothi		Satisfactory
15-3-21	Attendance	No problem	P.H.S Jyothi		Satisfactory
22-3-21	Academics	No problem	P.H.S Jyothi		Satisfactory
29-3-21	Results	No problem	P.H.S Jyothi		Satisfactory
3-4-21	Academics	No problem	P.H.S Jyothi		Satisfactory
10-4-21	Academics	No problem	P.H.S Jyothi		Satisfactory
17-4-21	Attendance	No problem	P.H.S Jyothi		Satisfactory
30-4-21	Result	No problem	P.H.S Jyothi		Satisfactory
1-11-2021	Academics	No Problem	P.H.S Jyothi		Satisfactory
18-11-2021	Academics	No Problem	P.H.S Jyothi		Satisfactory
24/11/21	Attendance	No Problem	P.H.S. Jyothi	Nil	Satisfactory
3/12/21	Academics	No Problem	P.H.S. Jyothi	Nil	Satisfactory
15/12/21	Academics	No Problem	P.H.S. Jyothi	Nil	Satisfactory
21/12/21	Academics	No Problem	P.H.S. Jyothi	Nil	Satisfactory
28/12/21	Attendance	No Problem	P.H.S. Jyothi	Nil	Satisfactory
3/1/22	Academics	No Problem	P.H.S. Jyothi	Nil	Satisfactory
28/1/22	Result	No Problem	P.H.S Jyothi	Nil	Satisfactory

Impact of the System: Impact of the system is presented academic year wise in the following table:

Type of counseling	2020 -21 No.of Students Benefitted	2019 -20 No.of Students Benefitted	2018 -19 No.of students benefitted
Academic counseling	87	45	21
Higher studies	17	13	4
Co/curricular activities	123	96	64
Students attendance	43	19	9

9.2 Feedback Analysis and Reward/Corrective Measures Taken, if any (10)

(Feedback collected for all courses Specify the feedback collection process Average Percentage of students who participate Basis of reward/ corrective measures, if any; Indices used for measuring quality of teaching& learning and summary of the index values for all courses/teachers; Number of corrective actions taken).

Institute collects the feedback from all the students for programmes and will be analyzed to assess the quality of teaching and learning. The process of feedback will be carried out in three stages: (a) Feedback collection (b) Feedback analysis (c) Reward/corrective measures.

Feedback Collection

Collection of feedback for all the courses is a well organized system and will be taken from all the students in computer laboratory by distributing the feedback questionnaire through Local Area Network (LAN). Feedback will be collected on 4/point rating scale and the details are presented in the table:

Activity	Description
Feedback collection	From all students on courses/programmes
Collection process	Collected in computer laboratory by distributing Feedback form through LAN and student will login and respond to questionnaire
Frequency of feedback collection	Twice in a semester
Rubrics used for calculation	4/Very Good; 3/Good; 2/Average; 1/Below average

Feedback Analysis

Summary of the feedback reports pertaining to the courses, programmes and teaching/learning will be prepared, usually on 4/point scale and the expected feedback for a faculty member from the students is 3 out of 4. Feedback is shared with heads of the respective departments. Informal feedback is also taken directly by the heads from time to time during the ongoing semester.

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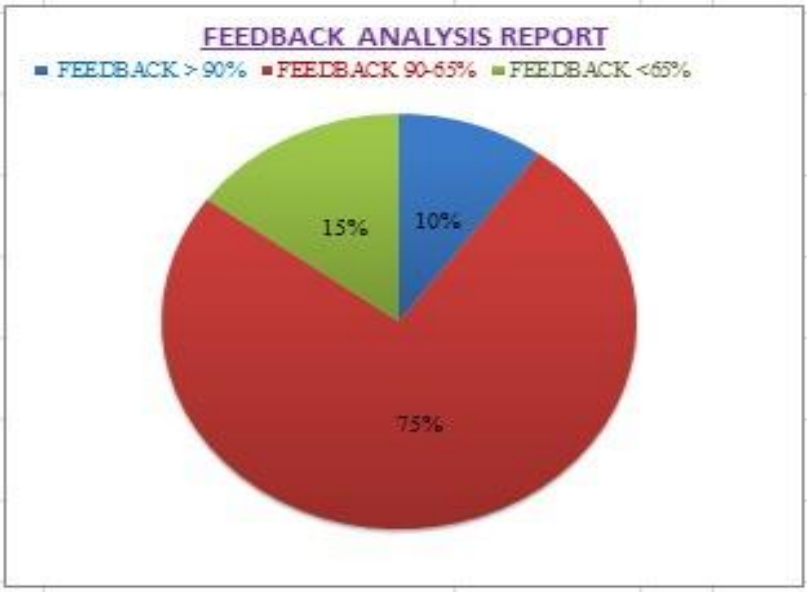
II, III & IV YEARS II SEM (2019-20) -EEE DEPARTMENT ONLINE FEEDBACK - 25.01.2020-ANALYSIS REPORT

TOTAL NO OF FACULTY	20		Date:27.01.2020
FEEDBACK > 90%	2	APPRECIATION LETTER	
FEEDBACK 90-65%	15	NO ACTION TAKEN	
FEEDBACK <65%	3	CORRECTIVE MEASURES FORM	

FACULTY WHO GOT > 90%
Mr.P.SRIDHAR
Mrs.T.HIMAJA
FACULTY WHO GOT <65%
Mr. D.TATA RAO
Mr.VENKATA KUMAR REDDY
Mr.M.SATYANARAYANA RAJU



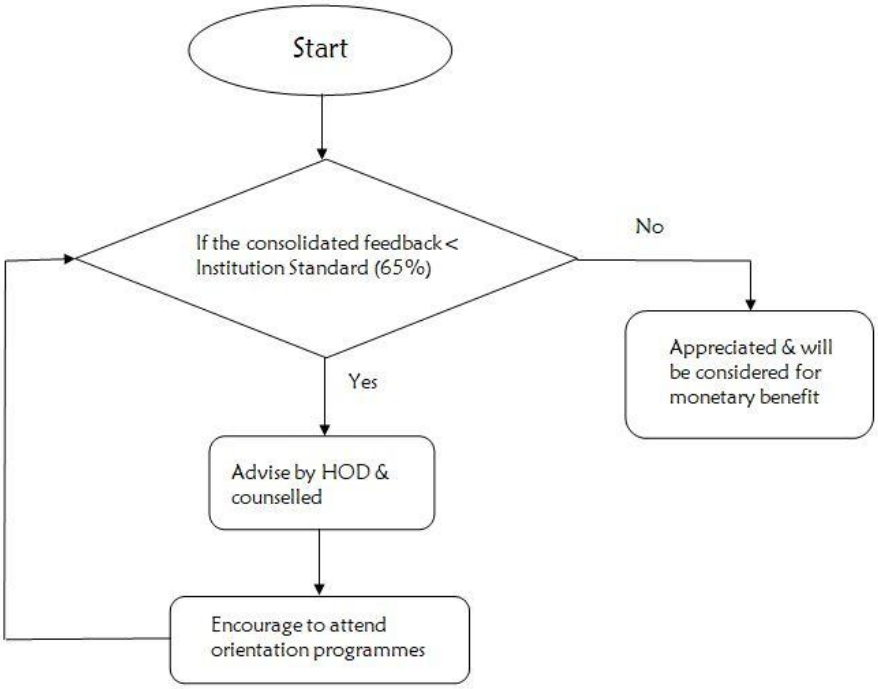
A special emphasis is paid on transparency and impact of the feedback system. A range of parameters that are used for collecting the feedback data are: Subject Depth (Theory/Practical); Way of Teaching Theory; Involvement in teaching (commitment) Theory; The teacher is regular & prompt to the class Theory; Overall Assessment Theory etc. A format of student feedback on teaching/learning is given and feedback forms are given as sample:

V Chandra Sekhara Rao					
Subject	**Python Programming**				
Sem - Branch - Section	**3-CSE-A**				
Department	**CSE**	**Employee ID**		**709**	
Email	**chandrasekhara_cse@acoe.edu.in**				
	Below Average	**Average**	**Good**	**Very Good**	**Percentage**
Subject Depth Theory	0	0	25	38	90.08
Way of Teaching Theory	0	4	19	40	89.29
Involvement in Teaching (commitment) Theory	0	2	23	38	89.29
The teacher is regular & prompt to the class Theory	0	2	21	40	90.08
Overall Assessment Theory	0	2	21	40	90.08
No.Of Students	63		Overal %		**89.76**
Suggestions					
way of teaching is good					
good					
need some more effective teaching					

CH.NARESH					
Subject	**Water Resources Engineering - II**				
Sem - Branch - Section	**7-CIVIL-A**				
Department	**CIVIL**	**Employee ID**		**3589**	
Email	**naresh_civil@acoe.edu.in**				
	Below Average	**Average**	**Good**	**Very Good**	**Percentage**
Subject Depth Theory	1	4	8	17	84.17
Way of Teaching Theory	2	3	10	15	81.67
Involvement in Teaching (commitment) Theory	2	2	8	18	85
The teacher is regular & prompt to the class Theory	3	2	14	11	77.5
Overall Assessment Theory	2	3	9	16	82.5
No.Of Students	30		Overal %		**82.17**
Suggestions					
very good teaching					
thanks for ur guidance sir.... thanking u so much					
good					
helping hands					
plzz say properly first					

Rewards/Corrective Measures

Course feedback about teaching/learning will be collected from students and analyzed at department level and will be discussed in the Academic Committee. Corrective action will be initiated based on the analysis wherever and whenever required and the process is displayed in the form of flowchart.



Faculty members who follow good and innovative teaching pedagogies are appreciated and rewarded in recognition of their exemplary efforts of Resourcefulness, Clarity in explanation, effective communication, syllabus coverage, Innovations in bringing about the change, Dependability in their work, Expertise used and developed in academics, research and patenting, Corrective actions are taken for the faculty whose score is less than the expected by encouraging faculty to attend more Faculty Development Programs, (FDPs) and to change the pattern of teaching. Suggestions are given to enhance their teaching skills with the peer support within a stipulated time period. The performance is reviewed by the head of the department regularly and consolidated reports of feedback are presented here as sample:

The performance is reviewed by the head of the department regularly and consolidated reports of feedback are presented here as sample:

Corrective Measures Based on Feedback				
Academic Year	**No.of Faculty Members**	**No.of Faculty Members Above Institution Standard**	**No.of Faculty Members Below Institution Standard**	**Corrective Measures**
2021-22	176	145	31	• Counseled by HoD • Advised to attend orientation programmes • Advised to interact with senior faculty to take suggestions for improvement
2020-21	186	163	23	
2019-20	183	148	35	
2018-19	187	156	31	

9.3. Feedback on Facilities

ACOE follows the following procedure to collect and analyze the feedback on facilities (a) Gathering feedback (b) Analysis (c) Initiate corrective action and the process is discussed here.

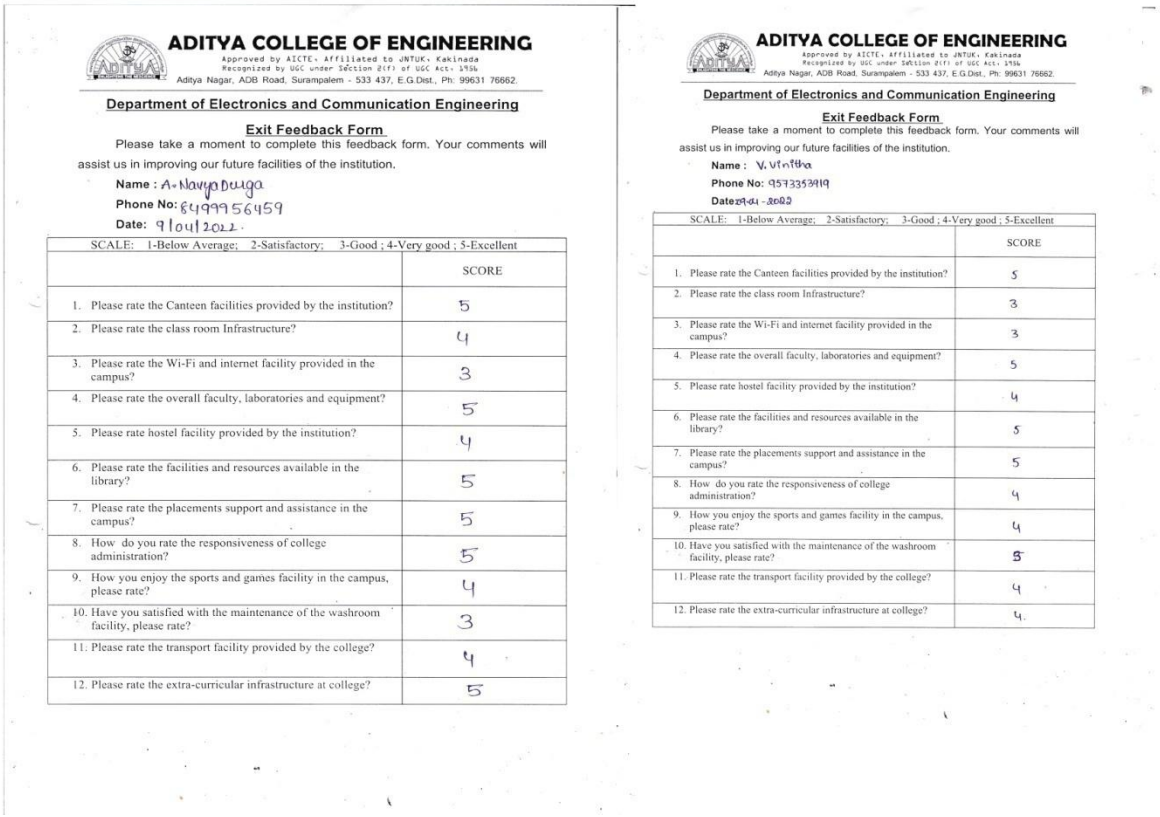
Gather Feedback on Facilities

Institution provides sustainable and state/of/art infrastructure facilities and assessment of facilities will be done based on the feedback from students at the end of the year. Suggestion box is also made available in the premises to receive suggestions from the students. Grievance Redressal committees also collect information and submit to higher authorities. The alumni network of the institution is very strong and they take part in survey during the alumni activity conducted every year. Feedback will be collected during the exit survey and parent/teacher meetings about the facilities of the institution to provide effective learning environment. Young aspirants as students are given much focus about their overall development and Institute maintains all the data related to feedback.

Feedback Analysis:

Feedback collected from the students and outgoing students will be analyzed their rating and the suggestions given by them will be noted down every academic year. The samples of feedback formats for students and outgoing students along with the analysis are presented.

Exit Feedback Form Analysis



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Department of Electronics and Communication Engineering

Exit Feedback Form

Please take a moment to complete this feedback form. Your comments will assist us in improving our future facilities of the institution.

Name : A. Navya Durga
Phone No: 8499956459
Date: 9/04/2022

SCALE: 1-Below Average; 2-Satisfactory; 3-Good ; 4-Very good ; 5-Excellent

	SCORE
1. Please rate the Canteen facilities provided by the institution?	5
2. Please rate the class room Infrastructure?	4
3. Please rate the Wi-Fi and internet facility provided in the campus?	3
4. Please rate the overall faculty, laboratories and equipment?	5
5. Please rate hostel facility provided by the institution?	4
6. Please rate the facilities and resources available in the library?	5
7. Please rate the placements support and assistance in the campus?	5
8. How do you rate the responsiveness of college administration?	5
9. How you enjoy the sports and games facility in the campus, please rate?	4
10. Have you satisfied with the maintenance of the washroom facility, please rate?	3
11. Please rate the transport facility provided by the college?	4
12. Please rate the extra-curricular infrastructure at college?	5

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Department of Electronics and Communication Engineering

Exit Feedback Form

Please take a moment to complete this feedback form. Your comments will assist us in improving our future facilities of the institution.

Name : V. Vinitha
Phone No: 9573353919
Date: 29-04-2022

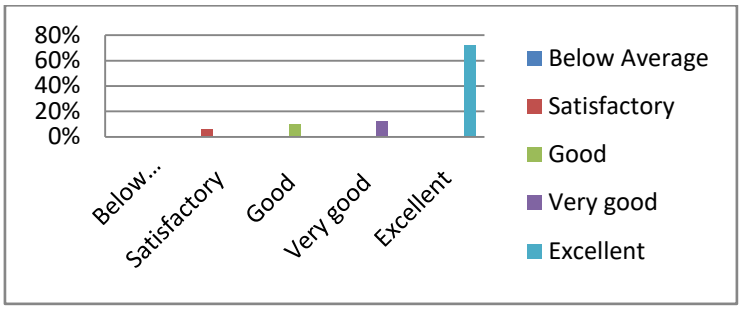
SCALE: 1-Below Average; 2-Satisfactory; 3-Good ; 4-Very good ; 5-Excellent

	SCORE
1. Please rate the Canteen facilities provided by the institution?	5
2. Please rate the class room Infrastructure?	3
3. Please rate the Wi-Fi and internet facility provided in the campus?	3
4. Please rate the overall faculty, laboratories and equipment?	5
5. Please rate hostel facility provided by the institution?	4
6. Please rate the facilities and resources available in the library?	5
7. Please rate the placements support and assistance in the campus?	5
8. How do you rate the responsiveness of college administration?	4
9. How you enjoy the sports and games facility in the campus, please rate?	4
10. Have you satisfied with the maintenance of the washroom facility, please rate?	5
11. Please rate the transport facility provided by the college?	4
12. Please rate the extra-curricular infrastructure at college?	4

Exit Feedback Analysis of Outgoing Students

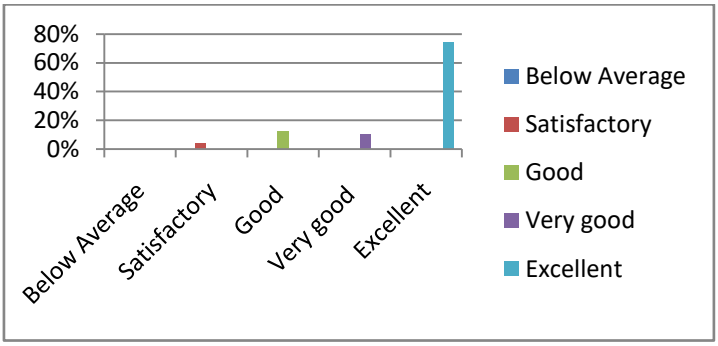
1. Please rate the canteen facilities provided in the campus?

As per the feedback taken from the students, 72% of the students are Excellent about the given question on Facilities, 12% of the students are very good, 10% are good and remaining 6% of the students are satisfactory.



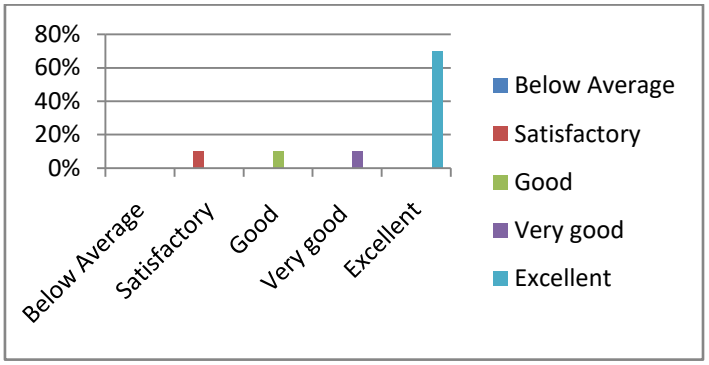
2. Please rate the class room ambience and infrastructure?

As per the feedback taken from the students on class room ambience, 74% of the students expressed Excellent, 10% of the students expressed very good, 12% of the students expressed good and remaining 4% of the students felt satisfactory.



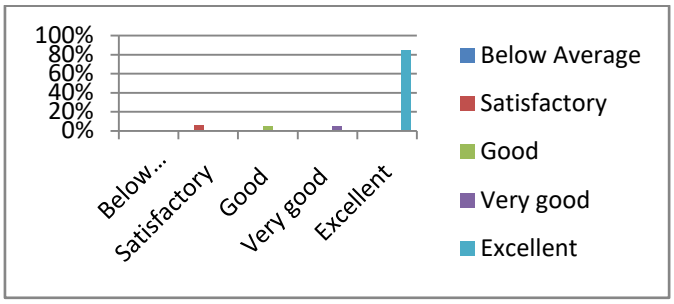
3. Please rate the Wi/Fi and internet facility provided in the campus?

As per the feedback taken from the students, 70% of the students are Excellent about the Wi/Fi and internet facility 10% of the students is very good, 10% are good and remaining 10% of the students are satisfactory.



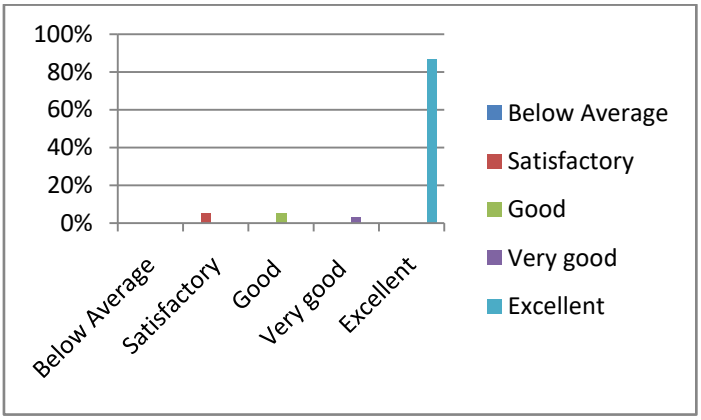
4. Please rate the hostel facility provided by the Institute?

As per the feedback taken from the students on hostel facility, 84% of the students expressed Excellent, 5% of the students expressed very good, 5% of the students expressed good and remaining 6% of the students felt satisfactory.



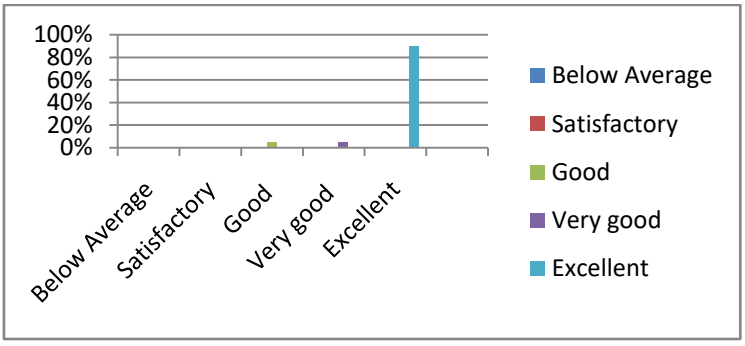
5. Please rate the overall faculty of laboratories and equipment?

As per the feedback taken from the students on laboratories and equipment, 87% of the students expressed Excellent, 3% of the students expressed very good, 5% of the students expressed good and remaining 5% of the students felt satisfactory.



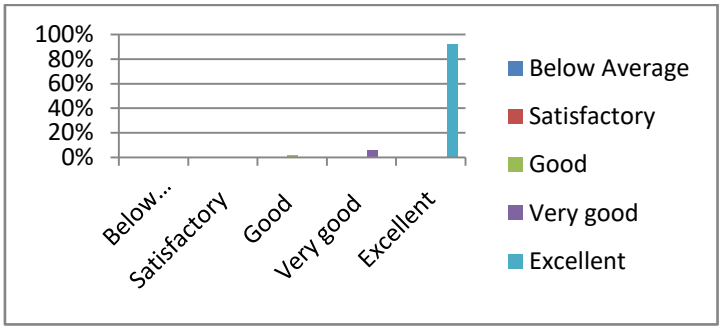
6. Please rate the facilities and resources available in the library?

As per the feedback taken from the students, 90% of the students expressed Excellent about the facilities and resources available in the library, 04% of the students expressed very good, 06% of the students expressed good.



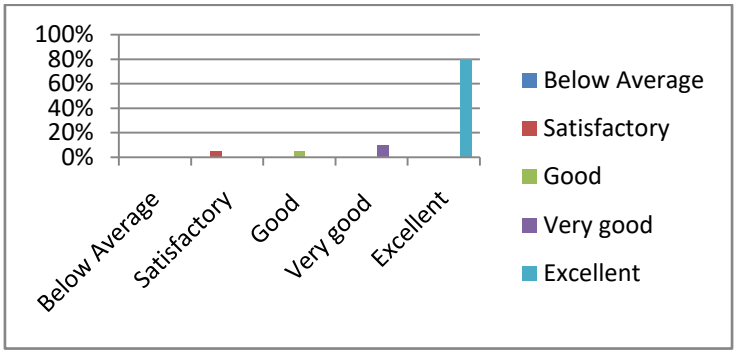
7. Please rate the placements support and assistance in the campus?

As per the feedback taken from the students on placements, 92% of the students expressed Excellent, 6% of the students expressed very good, 4% of the students expressed good.



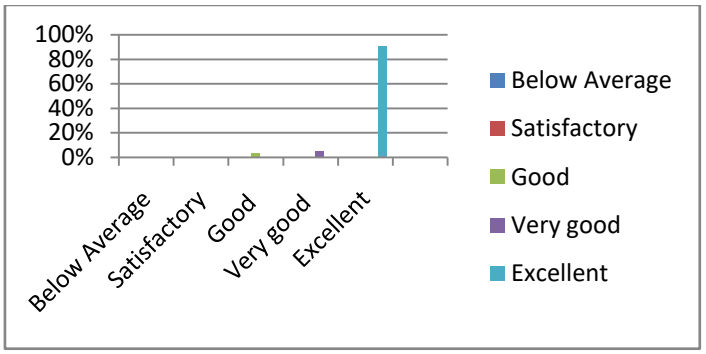
8. How do you rate the responsiveness of college administration?

As per the feedback taken from the students on college administration, 80% of the students expressed Excellent, 10% of the students expressed very good, 5% of the students expressed good and remaining 5% of the students felt satisfactory.



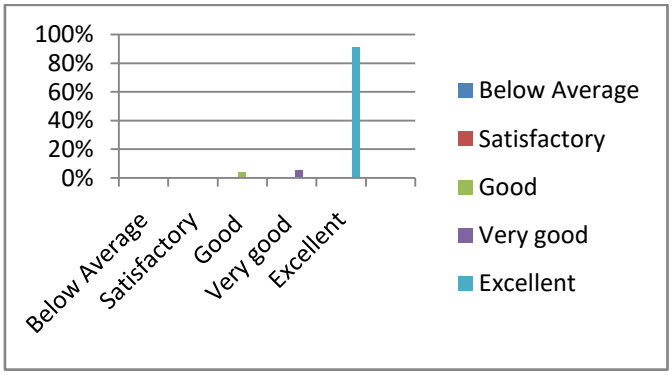
9. How you enjoy the sports and games facilities in the campus, please rate?

As per the feedback taken from the students on sports and games facilities, 91% of the students expressed Excellent, 5% of the students expressed very good, 04% of the students expressed good.



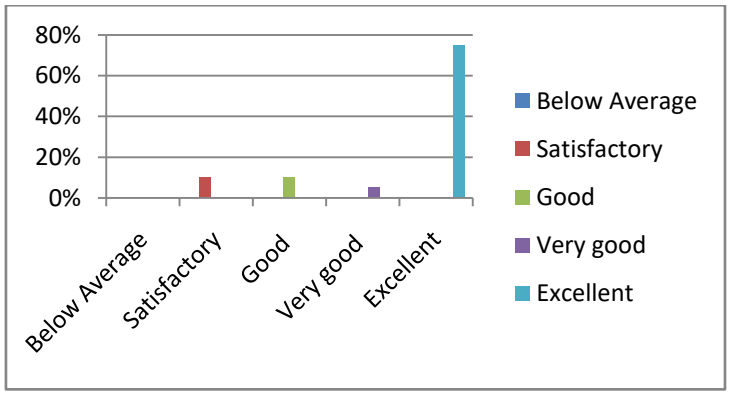
10. Have you satisfied with wash room/toilet facility and maintenance, Please rate?

As per the feedback taken from the students on room/ toilet facility, 90% of the students expressed Excellent, 5% of the students expressed very good, 5% of the students expressed good.



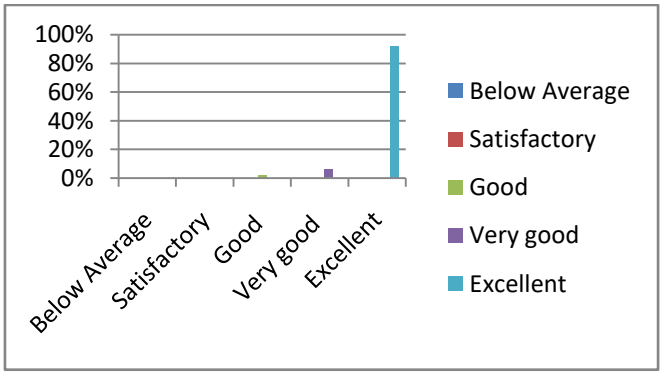
11. Please rate the transport facility provided by the college?

As per the feedback taken from the students on transport facility, 75% of the students expressed Excellent, 5% of the students expressed very good, 10% of the students expressed good and remaining 10% of the students felt satisfactory.



12. Please rate the Extra – curricular infrastructure at College?

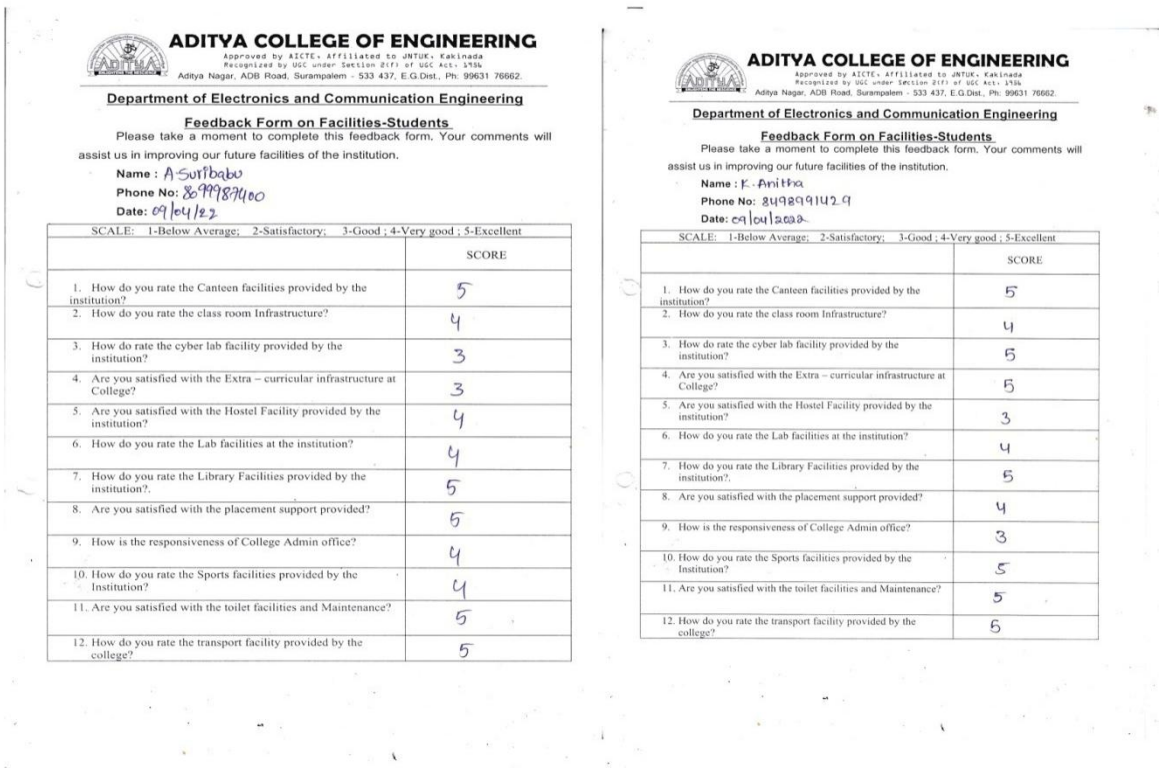
As per the feedback taken from the students on extra/curricular infrastructure at college, 92% of the students expressed Excellent, 6% of the students expressed very good, 2% of the students expressed good.



Suggestions:

1. Mega events like Colours should be conducted.
2. Canteen facilities should be improved.
3. More no of the cultural and sports events should be conducted
4. In digital library some of the systems are not working for browsing NPTEL videos.

Feedback Analysis on Facilities/Students



ADITYA COLLEGE OF ENGINEERING

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Department of Electronics and Communication Engineering

Feedback Form on Facilities-Students

Please take a moment to complete this feedback form. Your comments will assist us in improving our future facilities of the institution.

Name : A Suribabu
Phone No: 8099879400
Date: 09/04/22

SCALE: 1-Below Average; 2-Satisfactory; 3-Good ; 4-Very good ; 5-Excellent

	SCORE
1. How do you rate the Canteen facilities provided by the institution?	5
2. How do you rate the class room Infrastructure?	4
3. How do rate the cyber lab facility provided by the institution?	3
4. Are you satisfied with the Extra – curricular infrastructure at College?	3
5. Are you satisfied with the Hostel Facility provided by the institution?	4
6. How do you rate the Lab facilities at the institution?	4
7. How do you rate the Library Facilities provided by the institution?.	5
8. Are you satisfied with the placement support provided?	5
9. How is the responsiveness of College Admin office?	4
10. How do you rate the Sports facilities provided by the Institution?	4
11. Are you satisfied with the toilet facilities and Maintenance?	5
12. How do you rate the transport facility provided by the college?	5

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Department of Electronics and Communication Engineering

Feedback Form on Facilities-Students

Please take a moment to complete this feedback form. Your comments will assist us in improving our future facilities of the institution.

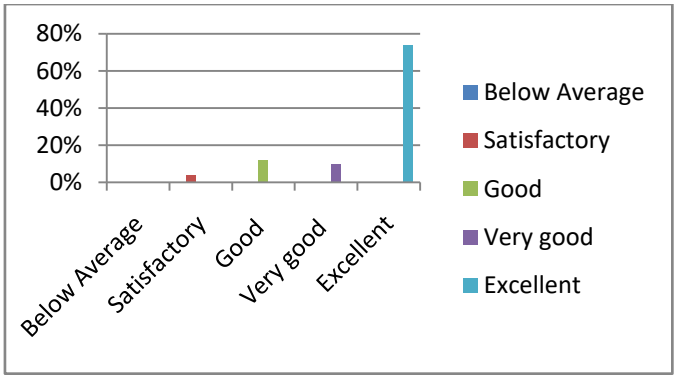
Name : K. Anitha
Phone No: 8498291429
Date: 09/04/2022

SCALE: 1-Below Average; 2-Satisfactory; 3-Good ; 4-Very good ; 5-Excellent

	SCORE
1. How do you rate the Canteen facilities provided by the institution?	5
2. How do you rate the class room Infrastructure?	4
3. How do rate the cyber lab facility provided by the institution?	5
4. Are you satisfied with the Extra – curricular infrastructure at College?	5
5. Are you satisfied with the Hostel Facility provided by the institution?	3
6. How do you rate the Lab facilities at the institution?	4
7. How do you rate the Library Facilities provided by the institution?.	5
8. Are you satisfied with the placement support provided?	4
9. How is the responsiveness of College Admin office?	3
10. How do you rate the Sports facilities provided by the Institution?	5
11. Are you satisfied with the toilet facilities and Maintenance?	5
12. How do you rate the transport facility provided by the college?	5

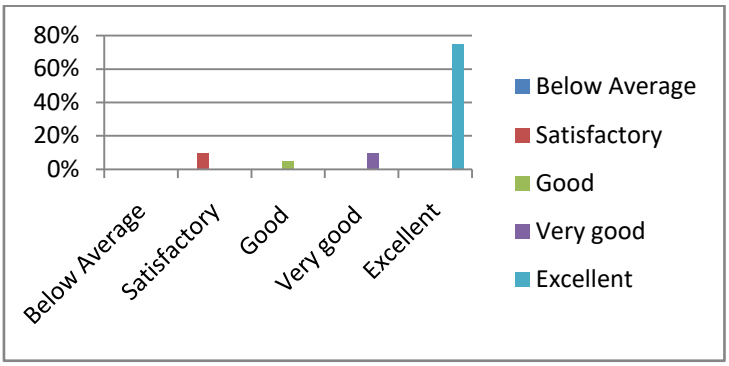
1. How do you rate the Canteen facilities provided by the institution?

As per the feedback taken from the students, 74% of the students are Excellent about sports and games facilities in the campus 10% of the students are very good, 12% are good and remaining 4% are satisfactory.



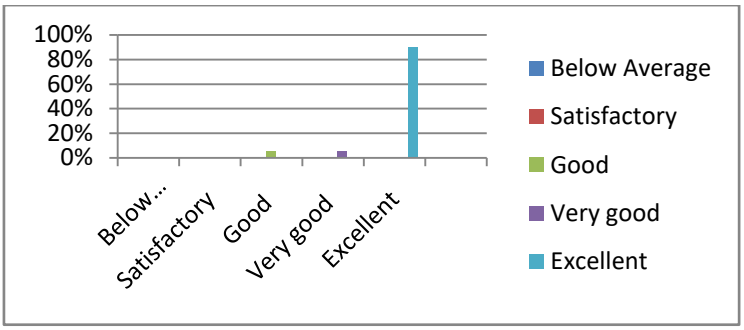
2. How do you rate the class room Infrastructure?

As per the feedback taken from the students on class room ambience and infrastructure, 75% of the students expressed Excellent, 10% of the students expressed very good, 5% of the students expressed good and remaining 10% of the students felt satisfactory.



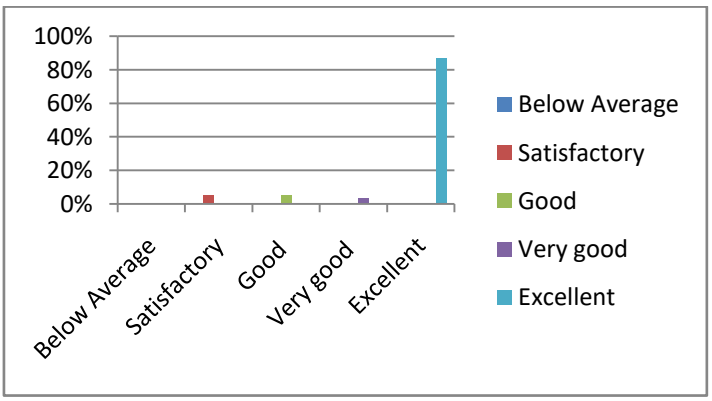
3. How do rate the cyber lab facility provided by the institution?

As per the feedback taken from the students on cyber facilities, 90% of the students expressed Excellent about the facilities and resources available in the library, 04% of the students expressed very good, 06% of the students expressed good.



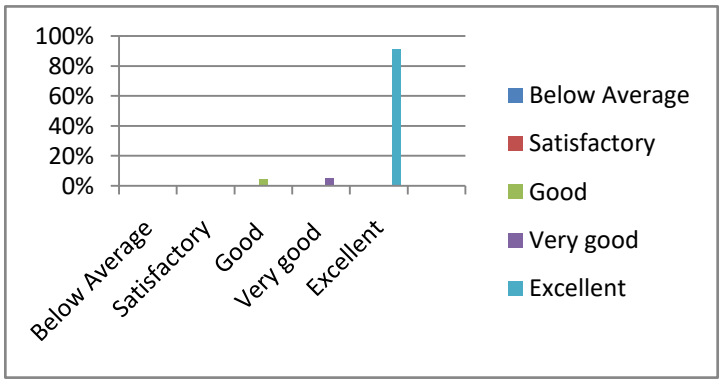
4. Are you satisfied with the Extra – curricular infrastructure at College?

As per the feedback taken from the students on extra/curricular Infrastructure, 87% of the students expressed Excellent, 3% of the students expressed very good, 5% of the students expressed good and remaining 5% of the students felt satisfactory.



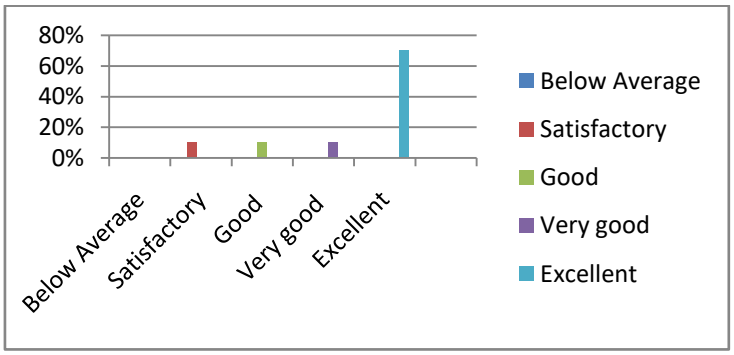
5. Are you satisfied with the Hostel Facility provided by the institution?

As per the feedback taken from the students on hostel facility, 90% of the students expressed Excellent, 5% of the students expressed very good, 5% of the students expressed good.



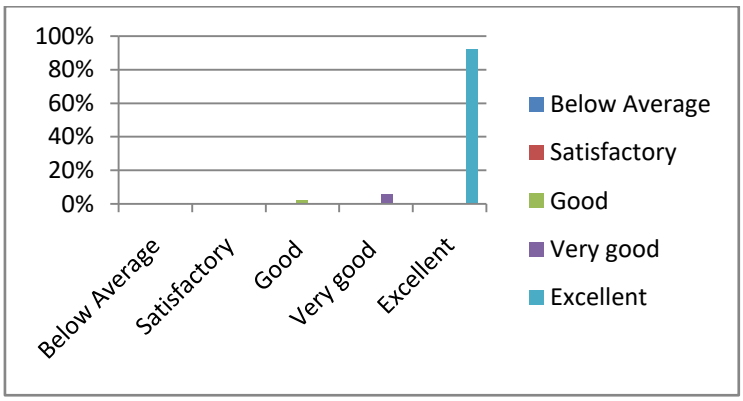
6. How do you rate the Lab facilities at the institution?

As per the feedback taken from the students on lab facilities, 70% of the students expressed Excellent, 10% of the students expressed very good, 10% expressed good and remaining 10% of the students felt satisfactory.



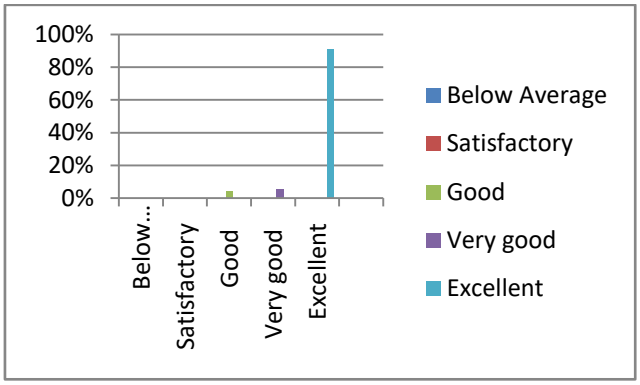
7. How do you rate the Library Facilities provided by the institution?

As per the feedback taken from the students on library facility at college, 92% of the students expressed Excellent, 6% of the students expressed very good, 2% of the students expressed good.



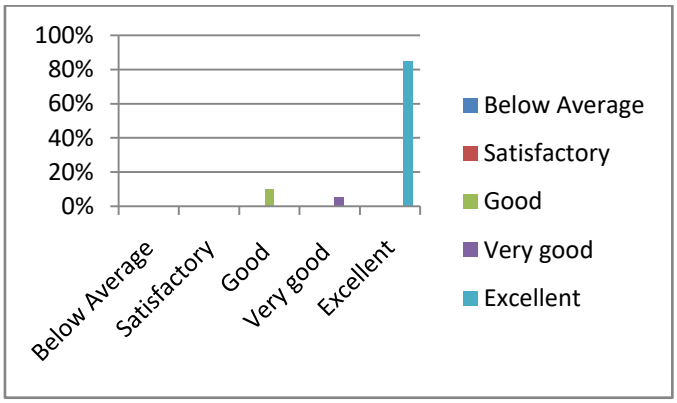
8. Are you satisfied with the placement support provided?

As per the feedback taken from the students on placement support, 91% of the students expressed Excellent, 5% of the students expressed very good, 04% of the students expressed good.



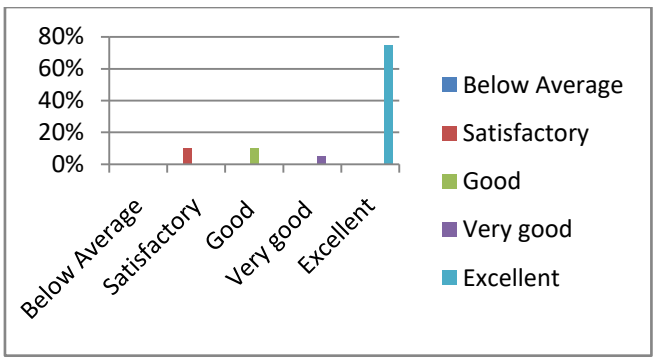
9. How is the responsiveness of College Admin office?

As per the feedback taken from the students on college admin office, 85% of the students expressed Excellent, 10% of the students expressed very good, 5% of the students expressed good.



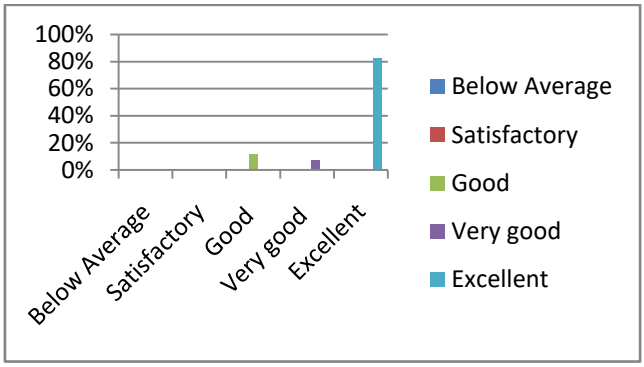
10. How is the Sports facilities provided by the Institution?

As per the feedback taken from the students on sports facilities, 75% of the students expressed Excellent, 5% of the students expressed very good, 10% of the students expressed good and remaining 10% of the students felt satisfactory.



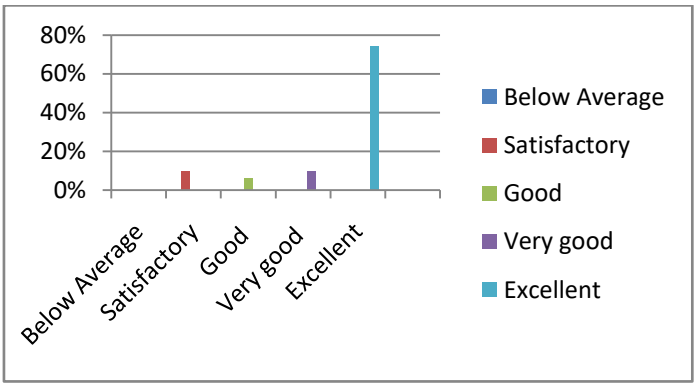
11. How do you rate the Toilet facilities and maintenance?

As per the feedback taken from the students on toilet facilities, 82% of the students expressed Excellent, 7% of the students expressed very good, 11% of the students expressed good.



12. How do you rate the transport facility provided by the college?

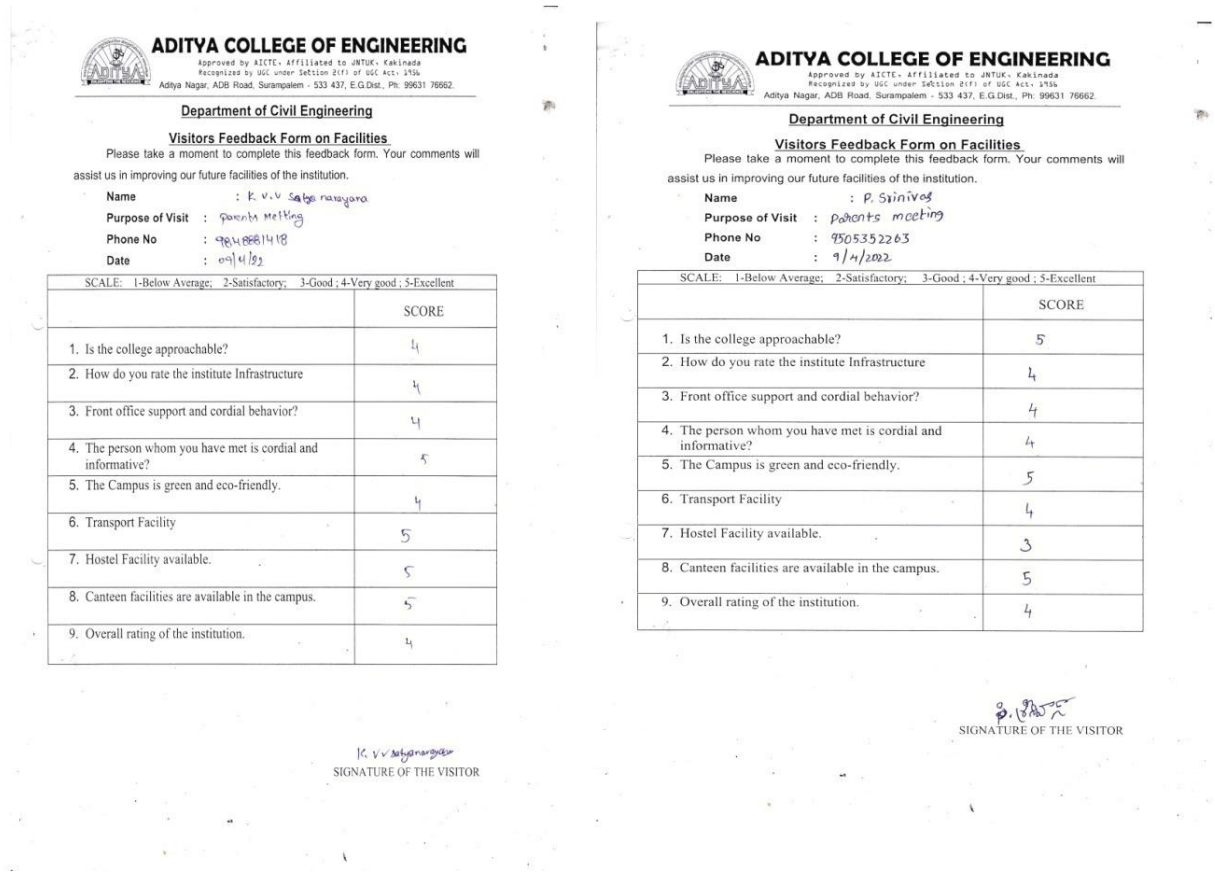
As per the feedback taken from the students on transport facility, 74% of the students expressed Excellent, 10% of the students expressed very good, 06% expressed good and remaining 10% of the students felt satisfactory.



Suggestions:

1. In digital library some of the systems are not working properly for using NPTEL videos.
2. Projectors are not working in some of the class rooms.
3. Bus route are covered all over but limited stops are implemented kindly increase the stops.

Visitors Feedback Form Analysis



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Department of Civil Engineering

Visitors Feedback Form on Facilities

Please take a moment to complete this feedback form. Your comments will assist us in improving our future facilities of the institution.

Name : K. V.V Satya narayana
Purpose of Visit : parents Metting
Phone No : 9849881418
Date : 09/4/22

SCALE: 1-Below Average; 2-Satisfactory; 3-Good ; 4-Very good ; 5-Excellent

	SCORE
1. Is the college approachable?	4
2. How do you rate the institute Infrastructure	4
3. Front office support and cordial behavior?	4
4. The person whom you have met is cordial and informative?	5
5. The Campus is green and eco-friendly.	4
6. Transport Facility	5
7. Hostel Facility available.	5
8. Canteen facilities are available in the campus.	5
9. Overall rating of the institution.	4

K. V.V Satyanarayana
SIGNATURE OF THE VISITOR

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Department of Civil Engineering

Visitors Feedback Form on Facilities

Please take a moment to complete this feedback form. Your comments will assist us in improving our future facilities of the institution.

Name : P. Srinivas
Purpose of Visit : parents meeting
Phone No : 9505352263
Date : 9/4/2022

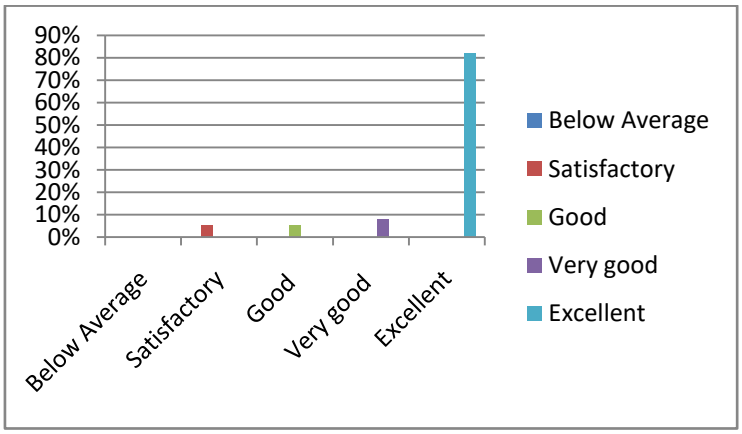
SCALE: 1-Below Average; 2-Satisfactory; 3-Good ; 4-Very good ; 5-Excellent

	SCORE
1. Is the college approachable?	5
2. How do you rate the institute Infrastructure	4
3. Front office support and cordial behavior?	4
4. The person whom you have met is cordial and informative?	4
5. The Campus is green and eco-friendly.	5
6. Transport Facility	4
7. Hostel Facility available.	3
8. Canteen facilities are available in the campus.	5
9. Overall rating of the institution.	4

SIGNATURE OF THE VISITOR

1. Is the college approachable?

As per the feedback taken from the visitors on college approaching, 82% of the visitors expressed Excellent, 8% of the visitors expressed very good, 5% of the visitors expressed good and remaining 5% of the visitors felt satisfactory.

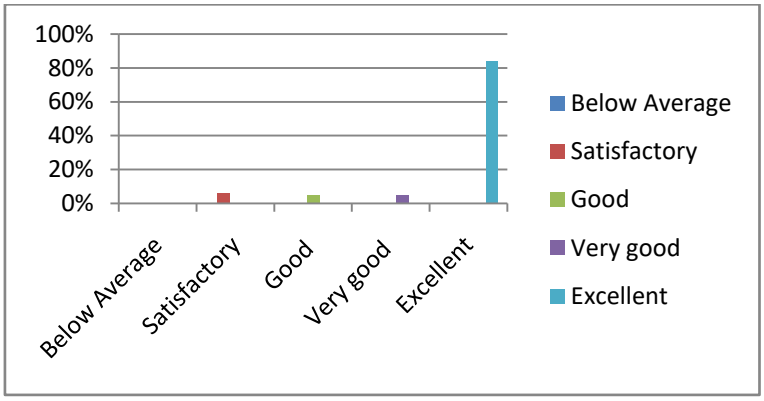


2. How do you rate the institute Infrastructure?

As per the feedback taken from the visitors on is institute infrastructure, 85% of the visitors expressed Excellent, 10% of the visitors expressed very good, 5% of the visitors expressed good.

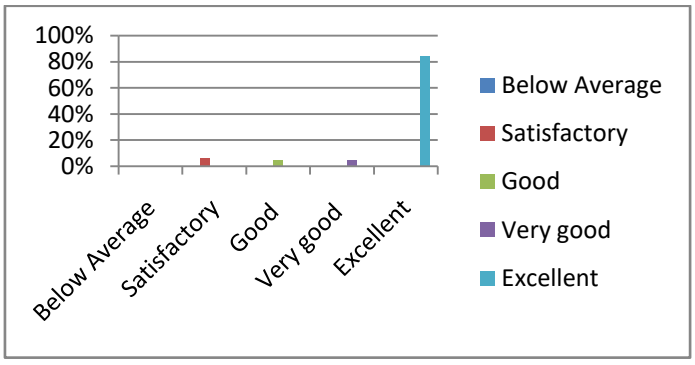
3. Front office support and cordial behavior?

As per the feedback taken from the visitors on office support, 84% of the visitors expressed Excellent, 6% of the visitors expressed very good, 5% of the visitors expressed good and remaining 5% of the visitors felt satisfactory.



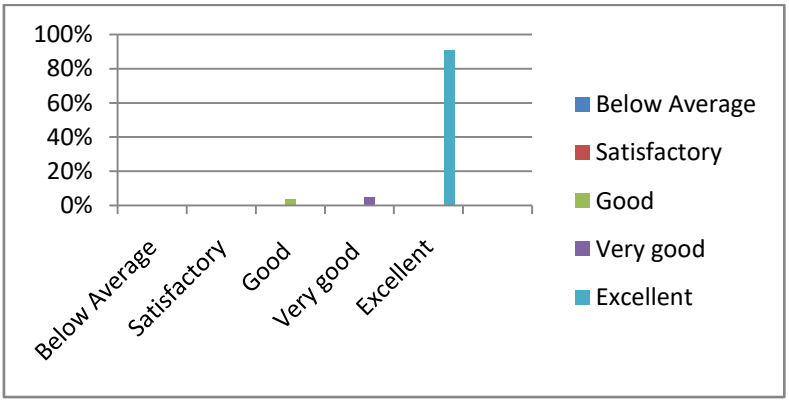
4. The person whom you have met is cordial and informative?

As per the feedback taken from the visitors on cordial and informative, 84% of the visitors expressed Excellent, 6% of the visitors expressed very good, 5% of the visitors expressed good and remaining 5% of the visitors felt satisfactory.



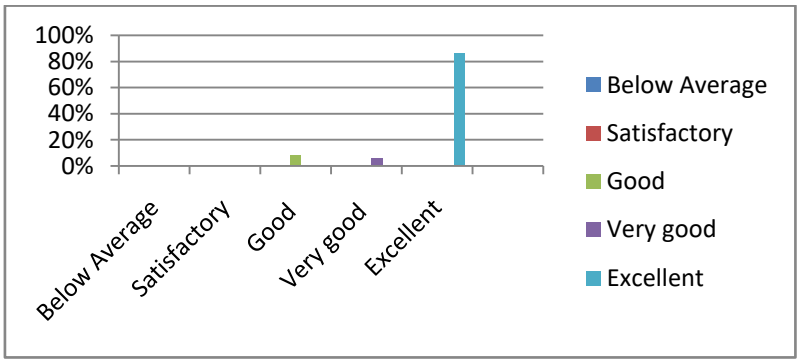
5. The Campus is green and eco/friendly.

As per the feedback taken from the visitors on green and eco/friendly, 91% of the visitors expressed Excellent, 5% of the visitors expressed very good, 4% of the visitors expressed good.



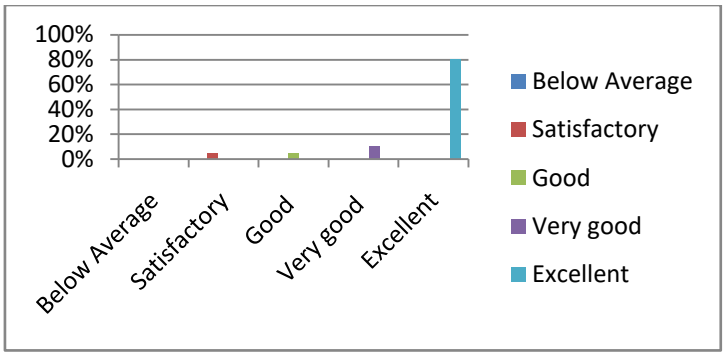
6. Transport Facility

As per the feedback taken from the visitors on transport facility, 85% of the visitors expressed Excellent, 6% of the visitors expressed very good, 9% of the visitors expressed good.



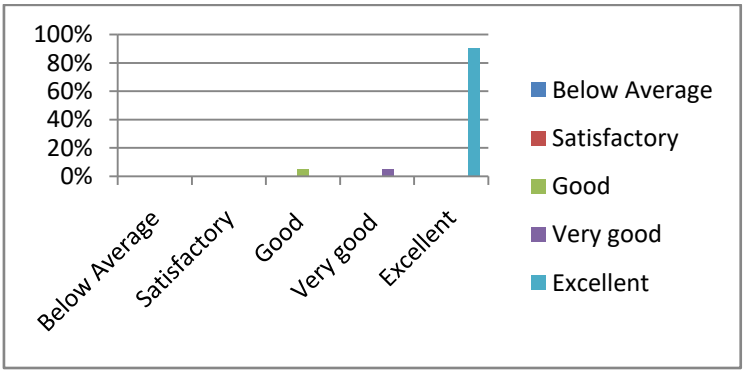
7. Hostel Facility available.

As per the feedback taken from the visitors on hostel facility, 80% of the visitors expressed Excellent, 10% of the visitors expressed very good, 5% of the visitors expressed good and remaining 5% of the visitors felt satisfactory.



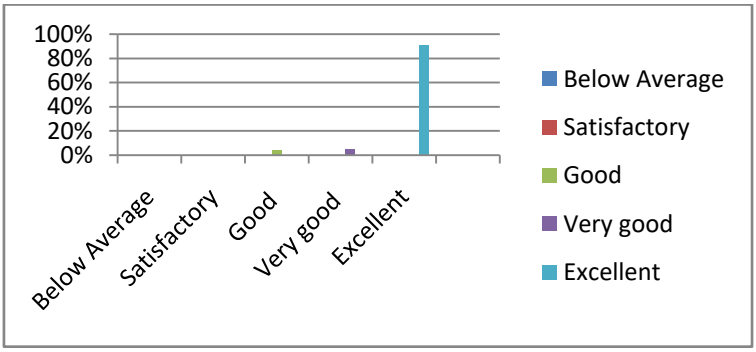
8. Canteen facilities are available in the campus.

As per the feedback taken from the visitors on canteen facility, 90% of the visitors expressed Excellent, 5% of the visitors expressed very good, 5% of the visitors expressed good.



9. Overall rating of the institution.

As per the feedback taken from the visitors on overall rating, 91% of the visitors expressed Excellent, 5% of the visitors expressed very good, 4% of the visitors expressed good.



Suggestions:

1. Try to arrange, to and fro travel support for visitors from ADB road to Campus main gate.
2. Direction boards are present in the campus but still try to provide route map of the college in poster format to reach respective locations without any difficulty.

Action Taken Report

Strengthening of the infrastructure for various facilities has been made with the constructive feedbacks from the stake holders. Suitable corrective and remedial measures are taken periodically based on these feedback and survey reports to improve the facilities of the institution. Students are motivated to provide feedback and help the institute to identify and fill the gaps. A sample statement of feedback on facilities and its corrective action is presented.

S.NO	Feedback	Action taken
1	Some of the systems in the library are not functioning properly to view NPTEL videos	Library systems which are having issues to open NPTEL videos are rectified and brought into usage.
2	Sports facilities should be improved	The requirement has been communicated to the principal for the further improvement of sports facilities.
3	Transport facility from the main road to campus should be provided for day scholars.	Mini bus facility from ABD road to campus has been taken into management notices for further action.

9.4. Self Learning

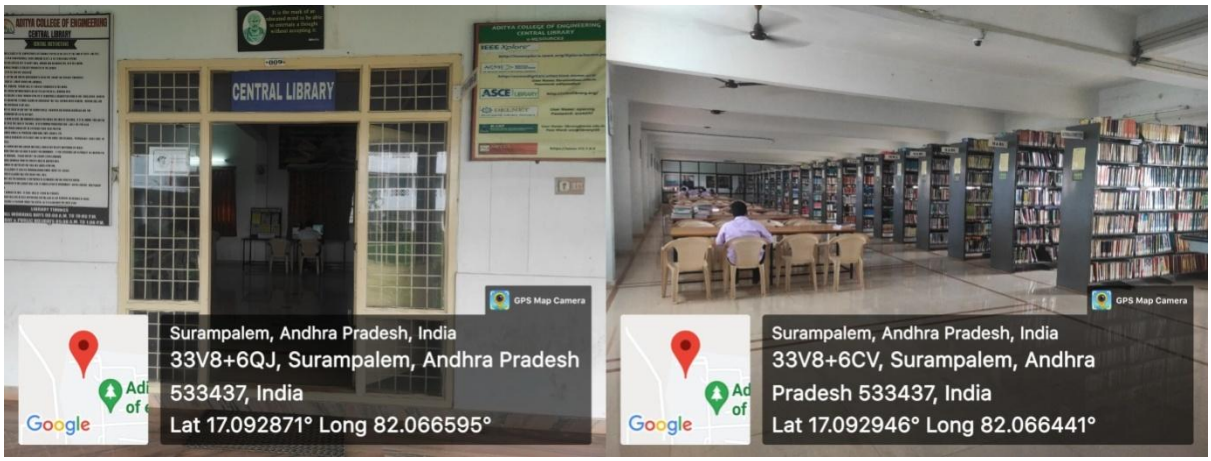
(The institution needs to specify the facilities, materials and scope for self – learning / learning beyond syllabus, webinars, podcast, MOOCs etc., and evaluate their effectiveness)

ACOE maintains all the resources for the students in the campus which is presented

Facilities of Self Learning

Facilities that is available in the Institute to encourage the students for self/learning are Library, Digital Library in college and Department Library apart from online resources.

Central Library in the college has numerous number of books from great publishers for the course work, research purpose and for competitive exams like GATE, CAT, IES and many more.



Digital Library is provided separately in the college for online resources access. Apart from the textbooks, college has also provided e/resources access for the students learning purpose. Library in college has provided access to various e/books and e/journals for promoting resource sharing among the libraries. They act as a crucial role for improving student knowledge. Library has access to various e/resources memberships which are listed below.

E-Resources Provided for the Year 2021-22

Details Of Memberships	E-Resources	Details Of Subscriptions	Name Of Services Subscribed To	Validity Period	Usage Report From The Service Provider	Whether Remote Access Provided (Yes / No)
Annual Membership	Data Base	DELNET	DELNET	26 January 2023	Available	Yes
Annual Membership	N-List	N-List	INFLIBNET	March 2023	Available	Yes
Annual Membership	Elsevier Engg & CS	Elsevier Engineering and Computer Science Package	Global Information Systems Technology	31st January 2023	Available	Yes
Annual Membership	Knimbus	Knimbus mLibrary Campus Acc	KNIMBUS ONLINE PVT. LTD	31st January 2023	Available	Yes

E-Resources Provided for the Year 2020-21

Details Of Memberships	E-Resources	Details Of Subscriptions	Name Of Services Subscribed To	Validity Period	Usage Report From The Service Provider	Whether Remote Access Provided (Yes / No)
Annual Membership	Data Base	DELNET	DELNET	26 January 2020	Available	Yes
Annual Membership	N-List	N-List	INFLIBNET	March 2020	Available	Yes
Annual Membership	E-Books	Pearson E-Library	Paramount Books Distributor	May 2021	Available	Yes

E-Resources Provided for the Year 2019-20

Details Of Memberships	E-Resources	Details Of Subscriptions	Name Of Services Subscribed To	Validity Period	Usage Report From The Service Provider	Whether Remote Access Provided (Yes / No)
Annual Membership	Data Base	DELNET	DELNET	26 January 2020	Available	Yes
Annual Membership	N-List	N-List	INFLIBNET	March 2020	Available	Yes
Annual Membership	E-Journals	J-Gate	Cyber Info Services	December 2020	Available	Yes
Annual Membership	e-Journals	Taylor & Francis	JNTUA Consortium Of E-Resources	December 2020	Available	Yes

E-Resources Provided for the Year 2018-19

Details of Memberships	E-Resources	Details of Subscriptions	Name of Services Subscribed to	Validity Period	Usage Report From the Service Provider	Whether Remote Access Provided (Yes / No)
Annual membership	Data base	DELNET	DELNET	26 January 2019	Available	Yes
Annual membership	N-list	N-list	INFLIBNET	March 2019	Available	Yes
Annual membership	e-book	McGraw-Hill	McGraw-Hill express library	June 2019	Available	Yes

Materials of Self Learning

Materials that are used by the students are web/based learning like NPTEL, CoursEra and Udemy, online lectures through YouTube, seminars and workshops, student seminars/presentations, assignments, paper presentations, group discussions, internships, industrial visits and projects. All the above mentioned self/learning methods have created a great impact in the learning process of the students.

Scope for Self Learning facilities

The scope of self learning is to learn beyond the syllabus to develop strong problem solving skills. The institute curriculum includes compulsory subject courses for all the UG students that are designed for overall development of student to evolve into an achiever, and all of these components are not strictly restricted to prescribed syllabus but give freedom to student to pursue topics of interest. These methods of self learning enhanced the student to dive into various fields of his/her interest.

Students utilize the available resources based on their need and requirement and the scope for self/learning is presented here:

S.No.	Self / Learning Facilities	Description
1	Library	• College Library provides information and ideas that are fundamental for functioning successfully in today's world. • Library consists of all genres books which provides information and to equip students with knowledge and learning skills.
2	Digital Library	• Internet facility is made available to encourage students for self/learning. • The digital library offers NPTEL videos and sufficient systems with multimedia facilities.
3	Departmental Library	• Department is facilitated with books for UG and a system for self/research.
4	Web based learning (NPTEL, Webinars, Podcasts, MOOCs, etc)	• Web based learning is the learning utilizing internet sources like NPTEL lectures, Udemy, Cours Era and also attending Webinars, Podcasts. • MOOC courses are used as an alternative method to expand the existing knowledge.
5	Assignments	• Students are given assignments and made to go through the topics in a more elaborate manner in order to get a better learning experience. • Faculty will give assignments on a regular basis and these are graded.
6	Common computer centre	• Including computers as one of the learning will make the students more involved and focused. • Using a computer in education lets each student collaborates and at the same time, teach them to become independent.

Source and Tools of Self Learning

The sources and tools of self learning are presented:

S.No	Self Learning Sources	Source	Tools/ICT/ Support
1	Web Based Learning/ E/courses	NPTEL, CoursEra, SWAYAM, Udemy, YouTube	Computer System with Internet Connection/Wi/Fi
2	Assignments	E-Books / Lecture Notes / NPTEL	--
3	Students Activity Cell (SAC)	Technical, cultural and other activities and competitions will be conducted	Student teams under the guidance of faculty members implements activities

Utilization and Effectiveness

Students from all departments utilize online resources, attend relevant trainings, Project/based learning (PBL) for learning new things, implementing concepts practically, understanding the principles, contents out of syllabus so as to enhance the existing level of their knowledge. Self/learning, in general, happens by doing activity under the guidance of faculty members. The effectiveness is presented here:

Occupancy Time Table for Library

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

LIBRARY OCCUPANCY CHART
ACADEMIC YEAR 2021-22

Days	1	2	3	4	5	6	7
	9:30 To 10:20	10:20 To 11:10	11:10 To 12:00	12:00 To 12:50	1:50 To 2:40	2:40 To 3:30	3:30 To 4:20
Monday				II EEE-B	III CSE-B	I ECE-D II CE III MECH	II ECE-C III ECE-D II MECH-B
Tuesday			I CSE-B I ECE-B III CSE-A	III ECE-A			II ECE-D III CE II MECH-A
Wednesday				III EEE-B II MECH	I MECH	IV CE	I CSE-AI&ML
Thursday			I ECE-C	I CSE-IOT I ECE-A	I EEE	III ECE-B	I CSE-A
Friday			I CE	III ECE-C	II CSE-B II EEE-A		II-ECE-B
Saturday							II CSE-A

Class	Faculty	Class	Faculty	Class	Faculty	Class	Faculty
I CE	B.Kiran Kumar	I ECE-A	Ch.Rama mohan	III ECE-A	K.Sangeeth kumar	II CSE-B	V.Veera Prasad
II CE	U.Praveenkumar	I ECE-B	B.Jyothi	III ECE-B	M.Vidya	III CSE-A	P.S.N.Lakshmi
III CE	Ch.Prabhteja	I ECE-C	O.Savitri	III ECE-C	Y.Sugandi naidu	III CSE	A.Krishna Veni
IV CE	N.Manasa	I ECE-D	M.S.S.Mohan kumar	III ECE-D	S.Dileep kumar	II MECH-A	R.Siva Prasad
I EEE	K.Durga Bhavani	II ECE-A	K.Sangeeth kumar	I CSE-A	N.V.V.D.Prasad	II MECH-B	K.Venkata Ramana
II EEE-A	CH.Srvanthi	II ECE-B	T.Phanimala	I CSE-B	A.Satheesh	IV MECH-A	M.S.Rviteja
II EEE-B	CH.Srvanthi	II ECE-C	P.Jhansi	I CSE-IOT	P.Raja sekhar Reddy	IV MECH-B	N.Prakash Kumar
III EEE-A	B.Veerraju	II-ECE-D	CH.Jhansi Devi	I CSE-AI&ML	G.Parvathi		
I MECH	D.Prasanth Kumar	III MECH-A	K.Venkata Ramana	II CSE-A	Y.Suresh kumar		

LIBRARIAN
Aditya College of Engineering
SURAMPALEM-533 437

Occupancy Time Table for Computer Lab

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Department of Computer Science & Engineering

	COMMON COMPUTER CENTRE OCCUPANCY CHART (2021-2022)			
	11:10-12:00	1:50-2:40	2:40-3:30	3:30-4:20
Monday	II CSE-B	I ME / IV ECE-A	II ECE-B / IV CSE-A	I ECE-B / IV EEE-A
Tuesday	II ECE-D / III CSE-A	I CE / IV ECE-D	III CSE-B / IV ME-B	III ECE-B / IV ME-A
Wednesday	II CSE-A / III CE	II ME / IV CE	I EEE / II CSE -AI&ML	I ECE-C / II CE
Thursday	I CSE-AI&ML / III ME	II EEE-A / IV ECE-C	III ECE-A / IV EEE-B	II CSE-IOT
Friday	I CSE-IOT / III ECE-C	I ECE-A / III EEE	I CSE-A / III ECE-D	II ME-B / IV CSE-B
Saturday	I ECE-D	II ECE-A	II ECE-C / II EEE-B	I CSE-B / IV ECE-B

Computer lab in charge

HOD-CSE

9.5. Career Guidance, Training, Placement (10)

(The institution may specify the facility, its management and its effectiveness for career guidance including counseling for higher studies, campus placement support, industry interaction for training/internship/placement, etc.)

Facility and its Management

The Career guidance, Training and placement cell of the college is constituted with Chairman, coordinator, senior faculty members and students from various departments of the college to provide necessary guidance and information to the students in shaping the future career. A Meeting of the Career guidance, Training and placement Cell Members will be held in the beginning of the academic year to propose and plan for activities and events during the academic year which will be recorded in the minutes of meeting. The team keeps up to date with employment trends and options to ensure quality advice to students.

Training

Career guidance, Training and placement cell provides commendable services in areas of Campus Interviews, Job Placements and training programmes for the students that enable them to develop applicable skills in the competitive job market. A requisition letter will be sent by Principal to Speaker to conduct the awareness programmes on Career Guidance and Circulating an internal notice to all the students to participate in Career Guidance Awareness Programmes. Feedback forms also will be provided to the students for considering their opinions and suggestions.

Career Guidance

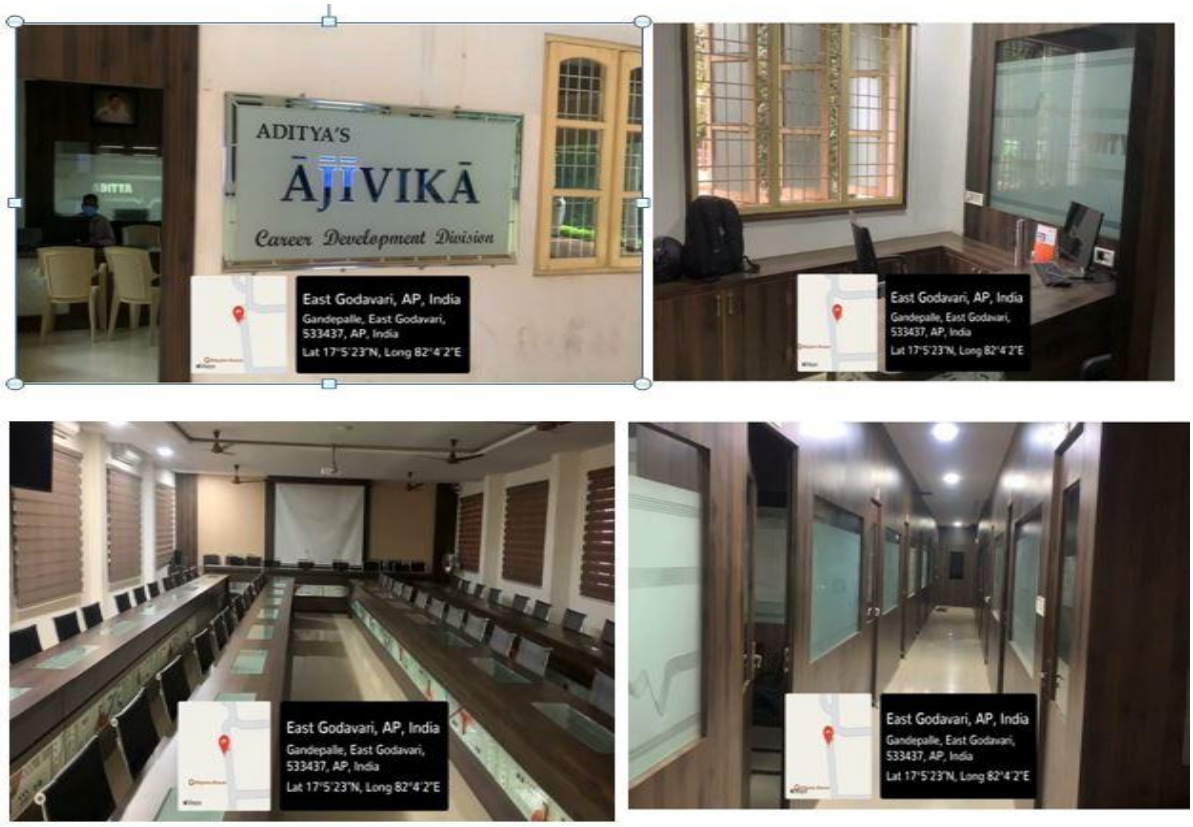
The Cell also organizes Workshops and Seminars on Personality Development, Interpersonal Relationship, Communication Skills, Interview Skills, and Presentation Skills to enable the all/round development of individuals. Eminent resource persons from various sectors and esteemed institutions are invited for providing training to the students. A survey will be conducted among students on their career options either in written form or oral. It organizes programmes to create awareness about the importance of higher studies and opportunities in India and Abroad. Motivates students to take entrance competitive exams such as GATE, CAT, GRE, and GMAT and counsel them for higher studies. It organizes Pre/Placement Training Programs to enable students to showcase their skills during the Interview.

Career guidance, Training and placement cell is formed to plan keeping in view of training needs of the entire student fraternity. It aims to provide adequate training and career opportunities to the students, thereby enabling them to be better professionals in the corporate world. The cell maintains corporate engagements through various platforms such as corporate interactions, summits and numerous other influences. Career guidance, the cell maintains continuous interactions with the HR's of different multinational companies to understand job scenario in different sectors. The cell acts as an advisory to the training and Placement department suggesting necessary steps to be followed to increase the number of placements. The training programs schedule is planned by the cell to all the students from II year itself as a part of academics which is included in the regular class time tables. Industry interaction is provided to the students for internship which may support their career.

Placement

Placement cell plans specific company training programs to all the eligible students and provides strategic plan to organize seminars and conduct mock placement drives to all the eligible students to create confidence in them while facing placement drives. The cell supervises and manages the whole placement process in collaboration. Feedback is collected from students and placement personnel (Technical & HR's) of different multinational companies. The committee tries to resolves it in Training and placements coordinators meet. The team of Career guidance and training & placement are given and the activities of Career Guidance, Training and Placement cell are presented.

Placement Facilities



Career development division, personal interview cabins, conference and group discussion hall

Career Guidance, Training & Placement Cell Events and Activities
A.Y. 2021/2022

S.No	Date	Conducted By	Description of the Event	Venue	Resource Person	No.of Students Enrolled
1	13/12/2021	Infosys, Hyderabad	Opportunities in Software field	Ramanujan Bhavan.Seminar hall	B.Sunil Varma	436
2	28/01/2022	Unacademy, Hyderabad	GATE & ESE /Career opportunities for Engineering students	Webinar	B.V.Reddy	418
3	21/03/2022	Purplelane, Kakinada	Awareness on mastering in Visual & UI/UX Design	Ramanujan Bhavan Seminar hall	Mr. Vara Vinod	230
4	29/03/2022	Made Easy Education Pvt.Ltd	Career Opportunities after Engineering	Ramanujan Bhavan Seminar hall	Mr.Jitendra Tiwari	312
5	22/04/2022	Jamboree, Hyderabad	Career Avenues through EDUCATION ABROAD	Ramanujan Bhavan Seminar hall	Smt. Aryama D.Saikia & Roopa Tanti	213

Events Conducted Under Training & Placement Committee
A.Y. 2021/2022

S.No	Name of the Program	Date	Resource Person	No. of Students Attended
1	**ICT/Computing skills –**Training on Programming Languages	13/09/2021 to 18/09/2021	Technical Hub, Surampalem Mr. R Sudhir 9951722111	349
2	**Soft skills –** Three days training on Communication skills	25/10/2021 to 27/10/2021	Technical Hub, Surampalem Mr. K. Devan 9397934366	78
3	**Soft skills –** One week CRT training	08/11/2021 to 13/11/2021	Technical Hub, Surampalem Mr. K Bharath Kumar 9346445450	103
4	**ICT/Computing skills –**Training on Salesforce	06/12/2021 to 17/12/2021	Technical Hub, Surampalem Mr. Md. Shaifu Zama 772990360	349

COMPANIES VISITED A.Y. 2021/22

S.No	Date	Name of the Company	Salary Packages
1	03/03/2021	HEXAWARE	3.50 To 5.00 LPA
2	26/05/2021	METRICSTREAM	5.50 LPA
3	15/09/2021	ADP	5.00 LPA
4	29/08/2021	IBM	7.25 LPA
5	20/05/2021	ACCOLITE	5.00 LPA
6	29/06/2021	ABYETI TECHNOLOGIES	5.00 LPA
7	22/07/2021	HEXAVIEW	5.00 To 7.00 LPA
8	05/06/2021	INFOSYS HACKWITHINFY	3.60 To 5.00 LPA
9	16/07/2021	DXC TECHNOLOGY	4.00 LPA
10	15/07/2021	TESSOLVE SEMICONDUCTORS	3.50 LPA
11	23/02/202	HARMAN	5.00 LPA
12	29/07/2021	MAQ SOFTWARE	7.00 LPA
13	04/09/2021	TECHIGAI	6.00 To 8.00 LPA
14	02/09/2021	KEKA TECHNOLOGIES	6.00 To 7.00 LPA
15	13/09/2021	MPHASIS	4.00 LPA
16	20/09/2021	APISERO	5.10 LPA
17	05/09/2021	SYMPHONY RETAILAI	4.00 LPA
18	23/08/2021	CAPGEMINI	4.00 To 7.50 LPA
19	08/10/2021	DIGITALTRUST	5.20 LPA
20	04/09/2021	VALUEMOMENTUM	4.00 LPA
21	30/08/2021	TCS NINJA/DIGITAL	3.36 LPA
22	22/12/2021	MAERSK	9.90 LPA
23	04/10/2021	THOUGHTCLAN TECHNOLOGIES	4.80 LPA
24	24/09/2021	AMAZON	31.31 LPA
25	25/09/2021	WIPRO	3.75 LPA
26	22/09/2021	CSG SYSTEM	7.50 LPA
27	04/10/2021	WIPRO INFOTECH	4.00 LPA
28	15/11/2021	ATOS GLOBAL	3.10 LPA
29	11/10/2021	VIRTUSA	6.5 LPA
30	27/10/2021	ZEMOSO TECHNOLOGIES	6.89 LPA
31	02/11/2021	QUEST GLOBAL	3.25 LPA
32	19/01/2022	CISCO	15.00 LPA

33	17/11/2021	LTI	5.00 LPA
34	27/11/2021	HYUDAI STEEL	2.07 LPA
35	29/11/2021	HYOSEONG ELECTRIC	1.86 LPA
36	08/11/2021	APPS ASSOCIATES	6.00 LPA
37	29/11/2021	SDVVL SURVEY AND CONSTRUCTION PRIVATE LIMITED	2.50 LPA
38	20/11/2021	ALTIMETRIK	7.00 LPA
39	26/10/2021	ZAGGLE	8.00 LPA
40	03/12/2021	INNVENIO BUSINESS SOLUTION	6.00 LPA
41	18/11/2021	DATAFOUNDRY AI	6.00 LPA
42	30/11/2021	COFORGE	4.25 LPA
43	13/12/2021	EPAM	6.00 LPA
44	30/11/2021	TRINAMIX	3.50 LPA
45	20/11/2021	FIS	6.64 LPA to 9.98 LPA
46	09/12/2021	ICICI BANK	3.50 LPA
47	01/11/2021	CALSOFT	7.50 LPA
48	17/11/2021	VINOVE SOFTWARES	5.75 LPA
49	01/12/2021	VAISHNAVI INFORMATION TECHNOLOGIES	4.00 LPA
50	29/11/2021	REVATURE	6.00 LPA
51	11/12/2021	COVALENSE DIGITAL	4.20 LPA
52	17/12/2021	MAGIK MINDS	3.00 LPA
53	19/12/2021	TOLLPLUS	4.50 LPA
54	14/12/2021	CAPGEMINI AWS	4.50 LPA
55	28/12/2021	AVANTIX TECHNOLOGIES	4.00 To 7.00 LPA
56	18/12/2021	HITACHI VANTARA	5.00 LPA
57	22/11/2021	WILEY/MTHREE	7 to 11 LPA
58	28/11/2021	VISTEX	4.50 LPA
59	13/10/2021	WINWIRE TECHNOLOGIES	4.50 LPA
60	02/12/2021	MEDIAMINT	3.10 LPA
61	23/03/2022	EFFTRONICS	5.50 LPA
62	17/01/2022	MORDOR INTELLIGENCE	4.62 LPA
63	21/12/2021	TA DIGITAL	5.70 LPA
64	07/12/2021	PROLIFICS	6.00 LPA
65	18/12/2021	RAMCO CEMENTS	3.84 to 6.24 LPA

66	03/02/2022	PINCLICK	5.16 LPA
67	31/01/2022	UNSCHOOL	5.00 LPA
68	04/01/2022	FUNNL	1.80 LPA
69	10/12/2021	REDHAT	10.00 LPA
70	22/12/2021	INCREFF	7.40 LPA
71	28/01/2022	XORIANT	8.00 LPA
72	09/12/2021	JK TECH	4.00 LPA
73	16/02/2022	BOSCH GLOBAL SOFTWARE	5.00 LPA
74	17/02/2022	PUZZOLONA MACHINERY	1.56 LPA
75	05/02/2022	ZF INDIA	4.75 to 6 LPA
76	21/12/2021	TECH MAHINDRA	3.25 LPA
77	23/02/2022	POWER MECH	2.16 LPA
78	22/09/2021	SIX PHRASE	4.50 LPA
79	04/03/2022	DELPHI / TVS	2.03 LPA
80	25/02/2022	APTEAN	5.50 LPA
81	18/02/2022	INFOLOB	3.00 LPA
82	11/10/2021	VIRTUSA	5.00 LPA
83	19/12/2021	INTELLECT DESIGN	5.00 LPA
84	17/12/2021	ZEROCODE	6.00 LPA
85	16/12/2021	ADROITEC SYSTEMS PVT LTD	3.00 LPA
86	19/12/2021	HCL	3.65 LPA
87	30/04/2022	KPIT	4.00 LPA
88	10/03/2022	MINDTREE	4.00 LPA
89	12/03/2022	MOOLYA TESTING PRIVATE LIMITED	3.00 LPA
90	15/03/2022	PERSISTENT SYSTEMS	4.71 LPA
91	06/01/2022	INFOSYS	3.60 LPA
92	24/02/2022	ICICI PRUDENTIAL	4.15 LPA
93	10/12/2021	VIVO	4.50 LPA
94	26/02/2022	MUTHOOT GROUP	2.28 LPA
95	18/02/2022	ZENSAR TECHNOLOGIES	4.00 LPA
96	16/02/2022	CADSYS	4.26 LPA
97	15/03/2022	MIRACLE SOFTWARE SYSTEMS	2.46 To 2.83 LPA
98	25/02/2022	LUMEN	6.00 LPA
99	05/06/2021	INFOSYS INFYTQ	3.60 LPA

100	30/12/2021	NIHILENT	4.00 LPA
101	23/12/2021	IBM KYNDRYL	4.25 LPA
102	29/12/2021	WABTECH	13.00 LPA
103	25/02/2022	TAVANT	7.00 LPA
104	08/04/2022	TURINGMINDS.AI	6.20 LPA
105	04/04/2022	ETHNUS	3.00 LPA
106	31/03/2022	QSPIDERS	1.50 LPA
107	11/04/2022	MIND BRINK MEDIA	3.00 to 4.00 LPA
108	29/01/2022	SUTHERLAND	2.50 LPA
109	09/04/2022	TEACHNOOK	3.00 LPA
110	19/04/2022	ZELF STUDIE	6.00 LPA
111	18/04/2022	SURYA TECH SOLUTIONS	3.00 LPA
112	29/04/2022	VISHWANADH AVENUES	1.80 LPA
113	05/04/2022	PLANETSPARK	7.00 LPA
114	27/04/2022	PRINCETON IT SERVICES	2.40 LPA
115	28/04/2022	PENTAGON SPACE	4.00 To 6.00 LPA
116	15/04/2022	WELLSFARGO	20.00 LPA
117	20/01/2022	SPERIDIAN TECHNOLOGIES	3.00 LPA
118	09/02/2022	CAPE ELECTRIC INDIA	3.00 LPA
119	03/03/2022	SKILLMINE TECHNOLOGIES	3.5 LPA / 4.00 LPA
120	18/05/2022	KIWO MODULAR	1.80 LPA
121	12/01/2022	BYJU'S	10.00 LPA
122	23/03/2022	MAHINDRA & MAHINDRA LTD	6.24LPA
123	05/04/2022	TAP ACADEMY	1.50 LPA
124	21/05/2022	TRIMAX BIOSCIENCES	2.16 LPA
125	12/05/2022	FIXITY TECHNOLOGIES	3.00 to 5.00 LPA
126	13/05/2022	IQUADRA	3.80 LPA
127	14/05/2022	SMART TRAINING RESOURCES	5.40 LPA
128	23/04/2022	PARK CONTROLS & COMMUNICATIONS	3.00 LPA to 6.00 LPA
129	24/04/2022	JUSTDIAL	3.24 LPA

CAREER COUNSELING A.Y. 2021-22

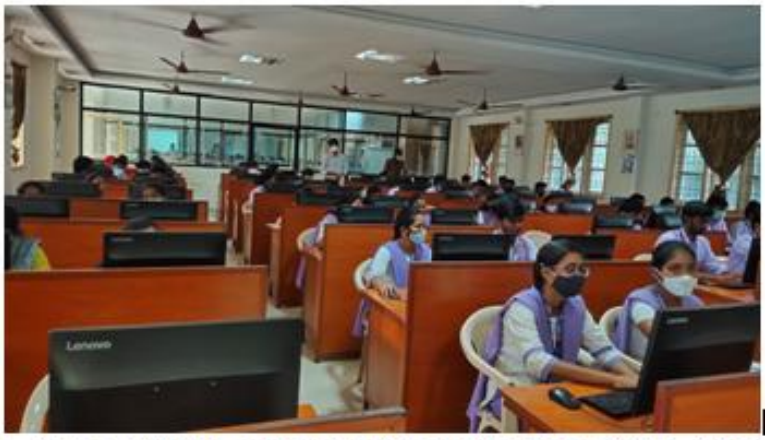
S.No.	Date	Name of the Company	Description of Pre-placement talk
1	03-03-2021	Hexaware	1. A company that was born in the digital culture and creates solutions based on a methodology that combines intense business analysis, UX design and technology 2. works on test automation and marketing
2	29-08-2021	IBM	 1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate 3. Requires excellent technical, communication and presentation skills who are available immediately to join. Coding- C,C++,JAVA and Python.
3	22-07-2021	HEXAVIEW	 Hexaview Technologies is a digital transformation firm providing high-end products and solutions. 1) Culture is really nice. 2) Proper development and coding work. 3) Best company for freshers.
4	05-06-2021	Infosys Hack With Infy	 1. If you have a passion for programming and you envision a future equipped with problem-solving skills and technology innovations, participate in HackWithInfy and build a future of your choice. 2. Your designations will be Associate Software Engineer 3. In coding we will be giving training as per the requirement.

5	16-07-2021	DXC Technology	 1. DXC is a consulting company through which we provide recruitment to different multinational companies. 2. Joining in DXC is a kick start and the knowledge in c, C++, java, python is required.
6	15-07-2021	Tessolve Semiconductors	1. It is a process automation and information firm founded by industry experts 2. Hiring as Trainee to plan, develop, design, construct
7	03-09-2021	Harman	1. Harman is largest automotive transmission and power train components manufacturers in India. 2. Hiring for Graduate Trainee engineer and involves in production of components
8	29-07-202	MAQ	1. A multinational professional services network of firms. 2. By joining You can become an Analyst, economist, Technologist, Innovator.
9	04-09-2021	Techigai	
10	23-08-2021	Capgemini	 1. Applies next-generation technology to help enterprises transform businesses globally. 2. We would be hiring for Associate Software engineer and required skill sets are Applications Development, Applications Testing, and Application Production Support etc. as per business requirement.
11	15-09-2021	ADP	1. we're focused on making connections that allow us to deliver world class software. 2. A good start in career as Associate software Engineer.

12	04-09-2021	Value Momentum	1. Applies next-generation technology to help enterprises transform businesses globally. 2. We would be hiring for Associate Software engineer and required skill sets are Applications Development, Applications Testing, Application Production Support etc. as per business requirement.
13	04-10-2021	Thought Clan Technologies	
14	13-09-202	Mphasis	 Mphasis has been nimble and agile in integrating and building specialization to enable future proofing of the organization as well as its customers. Associate Software Engineer will be trained to Applications Development, Applications Testing, and Application Production Support etc. as per business requirement.
15	20-09-2021	Apisero	
16	05-09-2021	Symphony RetailAI	
17	08-10-2021	Digital Trust	
18	24-09-2021	Amazon	 1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate 3. Requires excellent technical, communication and presentation skills who are available immediately to join. Coding-C,C++,JAVA and Python.

19	30-08-2021	TCS Ninja	 1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills that are available immediately to join. Coding- C, C++, JAVA and Python.
20	25-09-2021	Wipro	1. Applies next-generation technology to help enterprises transform businesses globally. 2. We would be hiring for Associate Software engineer and required skill sets are Applications Development, Applications Testing, Application Production Support etc. as per business requirement.
21	02-11-2021	Quest Global	
22	17-11-2021	LTI	
23	27-11-2021	Hyundai Steel	 1 .Hyundai Steel Co., Ltd. or HSC is a steel making company 2. For Graduate Trainee Engineer, requires knowledge in Blast furnaces, Hot coil, CR & plate mill
24	29-11-2021	Hyoseong Electric	 Prominent & Leading Manufacturer from Chennai, we offer Power Steering Pump, Power Steering Hose, Power Steering Bracket, Power Steering Fluid and Power Steering Gear Assembly.

25	29-11-2021	SDVVL Survey and Construction Private Limited	1. SDVVL (India) Limited operates as a knowledge process outsourcing company. 2. The Company offers Graduate Trainee Engineer and will be working on GIS and mapping, telecom and CATV, architecture, engineering
26	20-11-2021	ALTIMETRIK	
27	03-12-2021	Invention Business Solution	
28	15-11-2021	Atos Global	1. A to s is the global leader in secure and decarbonizes digital with a range of market-leading digital solutions along with consultancy services. 2. Will train different types solutions on product based
29	30-11-2021	Coforge	
30	30-11-2021	Trinamix	
31	01-11-2021	Calsoft	
32	17-11-2021	Vinove software's	 1. A multinational professional services network of firms. 2. By joining you can become an Analyst, economist, Technologist, Innovator.
33	28-11-2021	Vistex	
34	02-12-2021	Media mint	1. It is a niche software solutions and service provider across horizontal markets. A key enabler in the digital transformation space. 2. involved as Associate Software Trainee who will be working on python, product based.
35	29-11-2021	Revature	1. It is a process automation and information firm founded by industry experts 2. Hiring as Trainee to plan, develop, design, construct
36	01-12-2021	Vaishnavi Information technologies	
37	20-11-2021	FIS	The FIS University Program is the official global program for developing and retaining entry-level talent at FIS.
38	09-12-2021	ICICI Bank	ICICI Bank Limited is an Indian banking and financial services company Will be employed as sales executive and responsible for

39	17-12-2021 18-12-2021	Magic minds	 1. It is a software company which works across ITOps, Cyber security, Networks, and Cloud 2. Joining in this gives a confidence start in career
40	19-12-2021 20-12-2021	Toll Plus	
41	28-12-2021	Avantix Technologies	1.An IT professional services consulting company specializing in Sales force 2. We would be training in sales force , a product based and will be employee testing engineer
42	22-12-2021	Maersk	
43	21-12-2021	TA Digital	Tech Aspect Solutions Private Limited TA Digital is a digital transformation agency that delivers innovative digital strategy, customer experiences, and marketing solutions to transform business

Career Guidance, Training & Placement Cell Events and Activities

A.Y. 2020-2021

S.No.	Date	Conducted By	Description of the Event	Venue	Resource Person	No.of Students Enrolled
1	16/11/2020	The Hope Overseas Educational Consultants Rajamahendravaram	Awareness on Overseas Education	Ramanujan Bhavan. Seminar hall	Sri .K. Jaya Sankar	454
2	14/12/2020	Gate Forum Hyderabad	GATE orientation Programme	Ramanujan Bhavan, Seminar hall	Sri. T. Naveen	428
3	20/01/2021	RK Study Center Rajamahendravaram	Career in Banking Sector	Ramanujan Bhavan. Seminar hall	Sri J. Laxmi Prasanna	504
4	25/02/2021	Wipro Hyderabad	Opportunities in Software Field	Ramanujan Bhavan. Seminar hall	Sri.B. Vamsidhar	513

Events conducted under Training & placement committee
A.Y. 2020-2021

S.No	Name of the Program	Date	Resource Person	No. of Students Attended
1	**ICT/Computing skills –**Training on AUTOCAD	19-04-2021 to 26-04-2021	Ms.N.Ramya 9110753995 APSSDC	117
2	**ICT/Computing skills –** Python Programming	19-04-2021 to 26-04-2021	Mr.N.SuryaNarayana 8464032385 APSSDC	292
3	**ICT/Computing skills –** INFRA training	16-10-2021 to 30-10-2021	Mr. B.Veerababu 8309369882 Technical Hub, Surampalem	176
4	**ICT/Computing skills –** SDE Training	08-11-2021 to 30-11-2021	Mr.M Ashok 9346296194 Technical Hub, Surampalem	334

COMPANIES VISITED A.Y. 2020-21

S.No	Date	Name of the Company	Salary Packages
1	23/06/2020	TEK SYSTEMS	7.00 LPA
2	23-11-2020	ZENQ	2.80 LPA
3	09/06/2020	ABYETI TECHNOLOGIES	6.25 LPA
4	05/06/2021	ACCENTURE	4.50 LPA
5	28/10/2021	ACUVATE	3.00 LPA
6	29/06/2021	ADAEQUARE	2.80 LPA
7	07/07/2021	APARNA CONSTRUCTIONS	2.40 LPA
8	26/03/2021	APISERO	7.00 LPA
9	02-07-2021	APPS ASSOCIATE	4.00 LPA
10	27-04-2021	ATOS GLOBAL	3.10 LPA
11	25/01/2021	AVTEC	1.56 LPA
12	27/10/2020	AWS	22.00 LPA
13	05-02-2021	AZTEC	2.50 LPA
14	28-06-2021	BCT	3.00 LPA
15	02-07-2021	BRIGHTEX PHOTONICS (BTBP)	3.00 LPA
16	13-04-2021	BYJUS	10.00 LPA
17	04-08-2021	CADSYS	1.50 LPA
18	07-10-2021	CAPGEMINI	3.80 LPA
19	26/03/2021	CARGILL	3.75 LPA
20	03-06-2020	CDK GLOBAL	4.50 LPA
21	24-04-2021	CODILAR TECHNOLOGIES	2.52 LPA
22	23-11-2020	COGNIZANT	4.00 LPA
23	26/11/2021	COPART	6.00 LPA
24	28-11-2020	COVALENSE DIGITAL	3.00 To 4.00 LPA
25	26/01/2021	CTRLS	3.75 to 4 LPA
26	05-04-2021	DAEJOO AUTOMOTIVE	1.56 LPA
27	06/04/2021	DAENIT	5.40 LPA

28	22/05/2021	DARWINBOX DIGITAL SOLUTIONS	3.60 LPA
29	27/11/2020	DELTAX	5.00 LPA
30	02-08-2020	DXC TECHNOLOGY	3.60 LPA
31	07-09-2020	DXC TECHNOLOGY (OFF CAMPUS)	3.60 LPA
32	04/12/2020	FACE PREP	3.50 LPA
33	07-07-2021	FIS UNIVERSITY PROGRAM	5.00 LPA
34	16/11/2020	FULL CREATIVE	3.50 LPA
35	18/11/2020	GAINSIGHT	8.00 lpA
36	23/01/2021	GIBBUZ	2.50 LPA
37	28-01-2021	GLOBAL EDGE	3.50 LPA
38	29/01/2021	GOCOOP	3.00 LPA
39	03/02/2021	GSPANN	2.40 LPA
40	09/02/2021	HARMAN	5.00 LPA
41	20/11/2020	HEXAWARE	3.35 LPA
42	05-04-2021	HITECH ARAI	1.56 LPA
43	09-01-2021	HUNDAI STEEL	1.62 LPA
44	17-02-2021	HYOSEONG ELECTRIC	1.68 LPA
45	23/02/2021	HYUNDAI MOTOR	3.60 LPA
46	30/04/2020	IBM	7.25 LPA
47	18-03-2021	INFOSYS	3.50 LPA
48	31-05-2020	INFOSYS HACKWITH INFY	5.00 LPA to 8.00 LPA
49	30-05-2020	INFOSYS INFYTQ	3.60 LPA
50	16-07-2021	INNOMINDS	2.40 LPA
51	21-08-2021	IVY SOFTWARES	8.00 LPA
52	20/10/2020	JARO EDUCATION	6.00 LPA
53	22/10/2020	JUSPAY	6.00 LPA
54	6-3-2020 7-3-2020	KEKA	5.00 LPA
55	10/09/2020	KJ SYSTEMS	3.00 LPA
56	06/01/2021	KORED INFRATECH	1.80 LPA
57	12/05/2021	LEKHA WIRELESS	4.00 LPA

58	18/02/2021	M/S KWANGJIN INDIA	1.68 LPA
59	10/11/2020	MAQ SOFTWARE	6.00 LPA to 7.00 LPA
60	23-11-2020	MINDTREE	2.97 LPA
61	27/11/2020	MINFY	3.50 LPA
62	10/02/2021	MINFYTECH TECHOLOGIES	3.79 LPA
63	08/04/2021	MPHASIS	4.00 LPA
64	24-11-2020	MULTIPLIER SOLUTIONS	2.80 To 5.50 LPA
65	06/07/2021	NETENRICH	3.50 LPA
66	13/03/2021	NNIIT	3.00 To 5.00 LPA
67	20/03/2021	NOVEL PATENT SERVICES	2.00 LPA
68	19/12/2020	NTT DATA	3.50 LPA
69	02-07-2021	PENTAGON SPACE	1.50 LPA
70	16/02/2021	PHABLECARE	3.60 LPA
71	05-12-2020	PIN CLICK	5.16 LPA
72	13-01-2021	PROLIFICS	3.00 LPA
73	17-04-2021	PWC	6.00 LPA
74	12-02-2021	QSPIDERS	1.50 LPA
75	13/02/2021	QUADRATYX	4.50 LPA to 6.00 LPA
76	30/09/2021	ROBERT BOSCH	5.00 LPA
77	20-03-2021	RONCH POLYMERS	1.50 LPA
78	23/03/2021	SOFTTECH	3.50 LPA
79	24/03/2021	STERLING TOOLS	2.40 LPA
80	26/04/2021	SUNRISE BIZTECH	3.00 LPA
81	03-02-2021	SURYA TECH SOLUTIONS	1.80 To 3.12 LPA
82	25/04/2021	SYMPHONY RETAILAI	4.00 to 5.00 LPA
83	08/04/2021	TCS AWS	3.36 LPA
84	08-08-2020	TCS CODEVITA	3.39 LPA
85	08-06-2021	TCS INFRAMIND	3.36 LPA
86	20-11-2020	TCS NQT	3.36 LPA
87	21-01-2021	TECH MAHINDRA	3.25 LPA

88	23/01/2021	TECH TAMMINA	3.60 LPA
89	28/01/2021	TECTORO CONSULTING	3.50 LPA
90	12/11/2020	TESSOLVE	3.50 LPA
91	25-06-2021	TRANSRAIL	4.00 LPA
92	19/05/2021	TURITO INDIA PRIVATE LIMITED	4.00 LPA
93	15-05-2021	UNSCHOOL	5.00 LPA
94	20-11-2021	VALUE MOMENTUM	3.60 LPA
95	17/02/2021	VEMBU TECHNOLOGIES	3.00 to 4.00 LPA
96	18/11/2020	VIRTUSA	4.00 LPA
97	13-01-2021	VIT INFOTECH	4.00 LPA
98	13-03-2021	VPG SENSORS	1.44 LPA
99	21/03/2021	WHIZHACK TECHNOLOGIES	4.32 LPA
100	21/04/2021	WILEY-MTHREE	11.00 LPA
101	03-03-2021	WIPRO	3.50 LPA
102	28-12-2020	XENON STACK	4.50 LPA
103	29/12/2020	GENESIS	3.50 LPA
104	07/01/2021	YASH	4.00 LPA
105	08/01/2021	ALTIMETRIK	4.25 LPA
106	11/02/2021	TATA ELXSI	3.5 LPA
107	10/03/2021	IB HUBS	3.00 LPA
108	18/03/2021	MTX	6.5 LPA
109	09/01/2021	PURPLETALK	3.50 LPA
110	06/03/2021	TEMINOS	6.25 LPA
111	17/03/2021	BRISTLECONE	3.50 LPA

CAREER COUNSELING A.Y. 2020-21

S. No.	Date	Name of the Company	Description of Pre-Placement Talk
1	03-06-2020	CDK Global	 CDK is a company that designs critical high-tech systems for strategic industry sectors worldwide. Its solutions combine electronics and information technology, delivering rapid innovation to its customers. The highly skilled teams enable fast deployment and long-term maintenance of its solutions. 1. We are recruitment for Trainee Software Associate 2. Requires excellent technical, communication and presentation skills who are available immediately to join. Coding- C,C++,JAVA and Python and Machine Learning is necessary
2	31-05-2020	Infosys Hack with Infy	 1. If you have a passion for programming and you envision a future equipped with problem-solving skills and technology innovations, participate in HackWithInfy and build a future of your choice. 2. Your designations will be Associate Software Engineer 3. In coding we will be giving training as per the requirement.

3	02-08-2020	DXC	 1. DXC is a consulting company through which we provide recruitment to different multinational companies. 2. Joining in DXC is a kick start and the knowledge in c, C++, java, python is required.
4	07-10-2020	Capgemini	 1. Applies next-generation technology to help enterprises transform businesses globally. 2. We would be hiring for Associate Software engineer and required skill sets are Applications Development, Applications Testing, and Application Production Support etc. as per business requirement.
5	08-08-2020	TCS Code Vita	 1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills that are available immediately to join. Coding- C, C++, JAVA and Python.

6	30-05-2020	Infosys Infytq	 1. If you have a passion for programming and you envision a future equipped with problem-solving skills and technology innovations, participate in HackWithInfy and build a future of your choice. 2. Your designations will be Associate Software Engineer 3. In coding we will be giving training as per the requirement
7	23-11-2020	Mindtree	 1. A global technology consulting and services company that enables enterprises across industries. 2. We are recruitment for Trainee Software Associate 3. Requires excellent technical, communication and presentation skills that are available immediately to join. Coding- C, C++, JAVA and Python
8	05-12-2020	Pin Click	 1. Pin Click Property Management is a real estate agency in India 2. Hired will be as property advisory who gives solutions.

9	23-11-2020	Zen Q	 1. It is a leading provider of pure-play software testing services to clients across the globe 2. Hiring for Software Developer, Associate Business Development, and Test Engineer. 3. Good knowledge in python, C++ is required
10	28-11-2020	Covalense Digital	 1. Covalence digital is a niche software solutions and service provider across horizontal markets. A key enabler in the digital transformation space. 2. Hiring as Software trainee engineer 3. Coding- C, C++, JAVA and Python is necessary
11	20-11-2020	TCS NQT	 1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills that are available immediately to join. Coding C, C++, JAVA and Python.
12	28-12-2020	Xenon Stack	

13	09-01-2021	Hundai Steel	 1 .Hyundai Steel Co., Ltd, or HSC is a steel making company 2. For Graduate Trainee Engineer, requires knowledge in Blast furnaces, Hot coil, CR & plate mill
14	13-01-2021	VIT Infotech	1. Applies next-generation technology to help enterprises transform businesses globally. 2. We would be hiring for Associate Software engineer and required skill sets are Applications Development, Applications Testing, Application Production Support etc. as per business requirement.
15	21-01-2021	Tech Mahindra	1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding-C,C++,JAVA and Python.
16	25-01-2021 27-01-2021	AVTEC	1. Avtec is largest automotive transmission and power train components manufacturers in India. 2. Hiring for Graduate Trainee engineer and involves in production of components
17	05-02-2021	AZTEC	1. It is a process automation and information firm founded by industry experts 2. Hiring as Trainee to plan, develop, design, construct
18	03-02-2021	Surya Tech Solutions	1. It is a niche software solutions and service provider across horizontal markets. A key enabler in the digital transformation space. 2. involved as Associate Software Trainee who will be working on python, product based.

19	17-02-2021	Hyoseong Electric	 Prominent & Leading Manufacturer from Chennai, we offer Power Steering Pump, Power Steering Hose, Power Steering Bracket, Power Steering Fluid and Power Steering Gear Assembly.
20	13-01-2021	Prolifics	1. A company that was born in the digital culture and creates solutions based on a methodology that combines intense business analysis, UX design and technology 2. works on test automation and marketing
21	12-02-2021	Qspiders	
22	13-03-2021	VPG Sensors	
23	28-01-2021	Global Edge	1. we're focused on making connections that allow us to deliver world class software. 2. A good start in career as Associate software Engineer.
24	26-01-2021	CtrlS	 1. CtrlS sells services like data center collocation, DC build and consulting, Internet bandwidth, managed services, cloud security services, and disaster recovery services. 2. Cloud computing, Cloud storage Knowledge of Uptime and TIA standards for data centers design
25	20-03-2021	Ronch Polymers	1. Ronch Polymers Pvt. Ltd. (RPPL) is an OEM of thermoplastic moulds, moulded components and its assembly, specializing in manufacturing of water purifiers

26	23-11-2020	Cognizant	1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding-C,C++,JAVA and Python.
27	24-11-2020	Multiplier Solutions	1. AI based Healthcare Analytics and Marketing Company. 2. Opportunity to work alongside AI based tech for developers
28	05-04-2021	Daejoo Auto Motive	1. DAEJOO AUTOMOTIVE INDIA PRIVATE LIMITED is a machinery company 2. Involves in production of many components
29	05-04-2021	HITECH ARAI	Hitech Arai Pvt Ltd - Manufacturer of rubber oil seal, shaft oil seal & stainless steel and will be involved in production department as a trainee
30	17-04-2021	PWC	1. A multinational professional services network of firms. 2. By joining You can become an Analyst, economist, Technologist, Innovator.
31	15-05-2021	Unschool	1. Unschool is a melting pot of counter solutions to all the problems that exist in the education system. 2. will be enrolled as student specialist.
32	18-03-2021	Infosys	 1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate 3. Requires excellent technical, communication and presentation skills that are available immediately to join. Coding C, C++, JAVA and Python.
33	05-06-2021	Accenture	1. A multinational professional services network of firms. 2. By joining You can become an Analyst, economist, Technologist, Innovator.
34	06-07-2021	Netenrich Python	1. It is a software company which works across ITOps, Cyber security, Networks, and Cloud 2. Joining in this gives a confidence start in career
35	20-11-2021	Value Momentum	1.ValueMomentum is the largest standalone provider of IT Services & Solutions to Insurers & Financial Services 2. Multinational professional services network of firms. 3. By joining You can become an Analyst, economist, Technologist, Innovator.
36	28-06-2021	BCT	1. Providing Technology Support for Businesses and Organizations. 2. It is a consultancy where it provides many product based services.

37	13-04-2021	BYJUS	1. BYJU'S is an Indian multinational educational technology company 2. Can become professional in business development, trainings.
38	03-03-2021	Wipro	1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding-C,C++,JAVA and Python.
39	29-06-2021	Adaequare	
40	08-06-2021	TCS InfraMind	1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding-C,C++,JAVA and Python.
41	25-06-2021	Transrail	Transrail Lighting Limited is an integrated Transmission & Distribution and lighting solution company.
42	02-07-2021	Brightex Photonics (BTBP)	
43	02-07-2021	Apps Associate	1.An IT professional services consulting company specializing in Sales force 2. We would be training in sales force , a product based and will be employee testing engineer
44	02-07-2021	Pentagon Space	1. Pentagon Space is software programming institute in Bangalore 2. We give training in different languages and also provides support till getting job
45	24-04-2021	Codilar Technologies	1. Codilar is an Adobe certified digital commerce agency that specialises in end-to-end Magento services
46	04-08-2021	Cadsys	1. Cadsys (India) Limited operates as a knowledge process outsourcing company. 2. The Company offers Graduate Trainee Engineer and will be working on GIS and mapping, telecom and CATV, architecture, engineering
47	16-07-2021	Innominds	 1. A multinational professional services network of firms. 2. By joining you can become an Analyst, economist, Technologist, Innovator.

48	02-08-2021	DXC Technologies (Off Campus)	1. DXC is an consulting company through which we provide recruitment to different multinational companies. 2. Joining in DXC is a kick start and the knowledge in c, C++, java, python is required.
49	07-07-2021	FIS University Program	The FIS University Program is the official global program for developing and retaining entry-level talent at FIS.
50	27-04-2021	ATOS Global	1. A to s is the global leader in secure and decarbonizes digital with a range of market-leading digital solutions along with consultancy services. 2. Will train different types solutions on product based
51	21-08-2021	IVY Software	
52	30-09-2021	Robert Bosch	Robert Bosch India Limited,Bangalore is an electrical/electronic manufacturing company based 2. A Graduate trainee engineer will be involved in design and production of electrical components.

Training, Career Guidance & Placement Cell Events and Activities A.Y. 2019-20

S. No.	Date	Conducted By	Description of the Event	Venue	Resource Person	No.of Students Enrolled
1	17/07/2019	The Gate Academy, Visakhapatnam	Importance of Gate Exam	Ramanujan Bhavan. Seminar hall	Sri K. Harikesh	410
2	19/08/2019	Skylark overseas Education Consultants, Visakhapatnam	Awareness on Overseas Education	Ramanujan Bhavan. Seminar hall	Sri. Dr. Solomon Raju Kuchipudi	397
3	16/09/2019	Sridhar's CCE, Vijayawada	Awareness on Career in Banking Sector	Ramanujan Bhavan. Seminar hall	Sri K. Venkat Rao	361
4	26/12/2019	Time Institute Rajamahendravaram	Awareness on Civil Services Exams	Ramanujan Bhavan. Seminar hall	Sri K. Sai Venkat	437
5	29/1/2020	Genpact India Private Limited Hyderabad	Opportunities in Software Industry	Ramanujan Bhavan. Seminar hall	Sri M. Srikanth Vihari	414

Events Conducted Under Training & Placement Committee
A.Y. 2019-2020

S.No	Name of the Program	Date	Resource Person	No. of Students Attended
1	**ICT/Computing skills** –Training on APTLOGIC	08/07/2019 to 13/07/2019	Technical Hub, Surampalem Mr. K Bharath Kumar 9346445450	135
2	**ICT/Computing skills –** Python Programming	14/10/2019 to 19/10/2019	Technical Hub, Surampalem Mr. R Sudhir 9951722111	187
3	**ICT/Computing skills –** AWS cloud computing Training	06/01/2020 to 11/01/2020	Technical Hub, Surampalem Mr. Md. Shaifu Zama 772990360	290
4	**ICT/Computing skills –** Short term training program on coding skills	10/02/2020 to 15/02/2020	Technical Hub, Surampalem Mr. R Sudhir 9951722111	262

COMPANIES VISITED A.Y. 2019-20

S.No.	Date	Name of the Company	Salary Packages
1	18/03/2019	KEKA TECHNOLOGIES	6.00 LPA
2	20/03/2019	THOMSON REUTERS	2.00 LPA
3	06/07/2019 07/07/2019	DIVAMI	3.20LPA
4	08/07/2019	HYUNDAI STEEL	1.80 LPA
5	09/07/2019	LEEWON PRECISION PVT. LTD	1.80 LPA
6	09/07/2019	HYOSEONG ELECTRIC	1.80 LPA
7	11/07/2019	VALUELABS	4.5 LPA
8	29/07/2019 30/07/2019	RIKTAM TECHNOLOGY	4.20 LPA
9	16/08/2019	LTI	3.50 LPA
10	14/08/2019	MAQ	4.32 LPA
11	26/08/2019	GGK TECH	2.40 LPA
12	30/08/2019	NIFCO	1.80 LPA
13	30/08/2019	DAEJOO AUTOMOTIVE INDIA	1.80 LPA
14	30/08/2019	KWANGJIN	1.80 LPA
15	07/09/2019	HI/TECH ARAI LIMITED	1.80 LPA
16	08/08/2019	TCS NQT	3.36 LPA

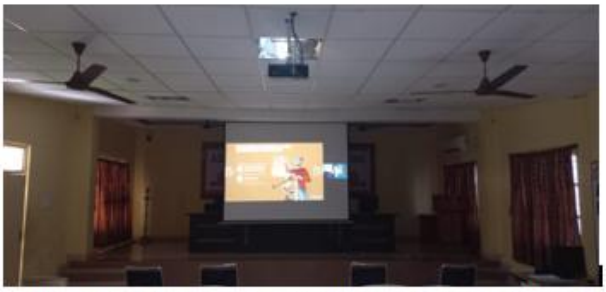
17	12/09/2019	ZENQ	2.80 LPA
18	28/09/2019	CONGNIZANT(CTS)	4.00LPA
19	12/10/2019	HEXAWARE TECHNOLOGIES	3.00 LPA
20	03/10/2019	AMAZON AWS	19.00 LPA
21	18/09/2019	SURYA TECH SOLUTIONS	2.16 LPA
22	09/11/2019	ROBO GROUP	1.80 LPA
23	13/11/2019	T/SYSTEMS	3.50 LPA
24	14/11/2019	EXTRAMARKS	4.2 LPA
25	15/11/2019	VAISHNAVI INFORMATION TECHNOLOGIES	4.00 LPA
26	20/11/2019	FULL CREATIVE TECHNOLOGIES	2.75 LPA
27	26/11/2019	INFOSYS	3.50 LPA
28	29/11/2019	APTROID	4.00 LPA
29	28/11/2019	ABYETI TECHNOLOGIES	4.00 LPA
30	09/12/2019	MINDTREE	3.54 LPA
31	18/10/2019	WIPRO	3.50 LPA
32	13/12/2019	WOOSU AUTOMOTIVE	1.44 LPA
33	04/12/2019 to 06/12/2019	IBM	4.25 LPA
34	14/12/2019	KWANG SUNG	1.44 LPA
35	20/12/2019	WEB SYNERGIES	3.2 LPA
36	21/12/2019	MAGIK MINDS	3.00 LPA
37	22/12/2019	RAYBIZ TECHNOLOGIES	2.40 LPA
38	16/11/2019	EFFTRONICS	3.5 LPA
39	26/12/2019	SAVANTIS SOLUTIONS	3.50 LPA
40	27/12/2019	KRIFY SOFTWARE	2.40 LPA
41	09/01/2020	YSI AUTOMOTIVE	1.60 LPA
42	07/12/2019	TAVANT TECHNOLOGIES	4.25 LPA
43	10/01/2020	TECH MAHINDRA	3.25 LPA
44	22/01/2020	ALLIENS GROUP	1.99 LPA
45	20/01/2020	TESSOLVE	3.60 LPA
46	20/01/2020	TETRASOFT	3.25 LPA
47	29/01/2020 & 30/01/2020	TALENTIO	3.25 LPA
48	29/01/2020	GLOBAL AUTO COMPONENTS	1.74 LPA

49	30/01/2020	SINTEX BAPL	1.62 LPA
50	31/01/2020	UNITED INDUSTRIES	1.66 LPA
51	05/02/2020	MULTIPLIER AI SOLUTIONS	4.10 LPA
52	10/02/2020	L&T NXT	6.40 LPA
53	14/02/2020	BRIGHTEX BIO PHOTONICS	3.00 LPA
54	04/02/2020	RYTHMOS INDIA	3.00 LPA
55	18/01/202	COVALENSE DIGITAL SOLUTIONS	3.00 LPA
56	06/01/2020	WINWIRE TECHNOLOGIES	4.00 LPA
57	20/02/2020 21/02/2020	GENPACT	2.40 LPA
58	19/02/2020	MILEKAL	2.4 LPA
59	03/03/2020	QSPIDER/JSPIDER	2.40 LPA
60	29/02/2020	SYSTEMATIX INFOTECH	2.40 LPA
61	14/03/2020	DXC TECHNOLOGY	3.40 LPA
62	12/03/2020	MEDICO HEALTH CARE	2.04 LPA
63	07/02/2020	THASMAI AUTOMATION	2.60 LPA
64	13/02/2020	EIDIKO	3.00 LPA
65	29/02/2020	THOUGHTCLAN TECHNOLOGIES	4.50 LPA
66	21/06/2020	IVY COMPTECH	5.50 LPA
67	21/07/2020	BYJU'S	10.00 LPA
68	29/09/2020	VAYU GROUP	1.80 LPA
69	17/09/2020	RAMKY INFRASTRUCTURES	1.80 LPA
70	03/11/2020	NIIT STACKROUTE	5.00LPA
71	28/09/2020	SL LUMAX	1.47 LPA
72	06/01/2020	KORED INFRATECH	1.80 LPA
73	17/10/2020	HCL TECHNOLOGIES LTD	2.60 LPA
74	10/10/2020	ENVISION FINANCIAL SYSTEM	3.60 LPA
75	11/02/2020	APARNA CONSTRUCTIONS	2.16 LPA
76	18/02/2020	CAPGEMINI	3.50 LPA
77	12/02/2020	SPANDANA SPOORTHY	2.40 LPA
78	19/11/2019	BNP PARIBAS	4.00 LPA
79	06/02/2020	MEC SOLUTIONS	2.16 LPA
80	14/02/2020	RAISING STAR	1.44 LPA
81	13/03/2020	VPG SENSORES	1.44 LPA

Career Counseling A.Y. 2019-20

S. No.	Date	Name of the Company	Description of Pre/Placement Talk
1	18/03/2019	Keka Technologies	1. Keka is one of the fastest growing SaS (B2B) products in India and has quickly grown to a leader position in its segment in shortest time. We are on a mission to provide best employee experience for companies across the globe 2. If you are a Tech/Savvy, Passionate about Software Development , If you want to build world class products for millions of users using cutting edge technologies. If you have strong Logical, Analytical & Problem/solving skill If you're someone who can code with extreme attention to details, given the complex business problems / challenges, we will be offering you asFull Stack Developer, Front End Developer, Quality Analyst, UX Designer
2	08/07/2019	Hyundai Steel	 1 .Hyundai Steel Co., Ltd, or HSC is a steel making company 2. For Graduate Trainee Engineer, requires knowledge in Blast furnaces, Hot coil, CR & plate mill
3	09/07/2019	Hyoseong Electric	 Prominent & Leading Manufacturer from Chennai, we offer Power Steering Pump, Power Steering Hose, Power Steering Bracket, Power Steering Fluid and Power Steering Gear Assembly.

4	16/08/2019	LTI	1. A multinational professional services network of firms. 2. By joining You can become an Analyst, economist, Technologist, Innovator.
5	14/08/2019	MAQ	1. A multinational professional services network of firms. 2. By joining You can become an Analyst, economist, Technologist, Innovator.
6	26/8/2019	GGK Tech	 1. CDK is a company that designs critical high-tech systems for strategic industry sectors worldwide. Its solutions combine electronics and information technology, delivering rapid innovation to its customers. The highly skilled teams enable fast deployment and long-term maintenance of its solutions. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills that are available immediately to join. Coding- C, C++, JAVA and Python and Machine Learning is necessary.
7	30/08/2019	NIFCO	Plastic fabrication company,After Successful complitation of training, you will design, develop and manufacture quality components for the global automotive industry
8	30/08/2019	Daejoo Automotive India	1. DAEJOO AUTOMOTIVE INDIA PRIVATE LIMITED is a machinery company 2. Involves in production of many components
9	30/08/2019	Kwang Jin	1.Kwang Jin Corporation (KJC) manufactures quality rotary joint and swivel joint that are used in various steel industry fields 2. Involves in production department as an quality analyst
10	07/09/2019	Hi-Tech Arai Limited	Hitech Arai Pvt Ltd / Manufacturer of rubber oil seal, shaft oil seal & stainless steel
11	08/08/2019	TCS NQT	To achieve the goal of being a valued employee of the organization that they aspire to be part of.

12	12/09/2019	ZENQ	 1. ZenQ is a leading provider of information technology services to clients across the globe. We offer a comprehensive range of value-added outsourcing solutions that are of the highest quality and efficiency, to help our customers build quality products 2. Should have a knowledge in testing tools as a test engineer
13	12/10/2019	Hexaware Technologies	1.IT service management company
14	03/10/2019	Amazon AWS	1. If you have a passion for programming and you envision a future equipped with problem/solving skills and technology innovations, participate in HackWithInfy and build a future of your choice. 2. Your designations will be Associate Software Engineer 3. In coding we will be giving training as per the requirement
15	18/09/2019	Surya Tech Solutions	1. It is a software company which works across ITOps, Cyber security, Networks, and Cloud 2. Joining in this gives a confidence start in career
16	09/11/2019	ROBO GROUP	1. It is a construction Company and a graduate trainee position will be offered and will be responsible for the total project until completion
17	13/11/2019	T/SYSTEMS	
18	14/11/2019	EXTRAMARKS	1. BYJU'S is an Indian multinational educational technology company 2. Can become professional in business development, trainings.
19	15/11/2019	Vaishnavi Information Technologies	
20	26/11/2019	INFOSYS	 1. If you have a passion for programming and you envision a future equipped with problem-solving skills and technology innovations, participate in HackWithInfy and build a future of your choice. 2. Your designations will be Associate Software Engineer 3. In coding we will be giving training as per the requirement

21	18/10/2019	WIPRO	1. If you have a passion for programming and you envision a future equipped with problem/solving skills and technology innovations, participate in Hack With Infy and build a future of your choice. 2. Your designations will be Associate Software Engineer 3. In coding we will be giving training as per the requirement
22	13/12/2019	WOOSU AUTOMOTIVE	1. WOOSU AUTOMOTIVE INDIA PRIVATE LIMITED is a machinery company 2. Involves in production of many components
23	14/12/2019	KWANGSUNG	Prominent & Leading Manufacturer from Chennai, we offer Power Steering Pump, Power Steering Hose, Power Steering Bracket, Power Steering Fluid and Power Steering Gear Assembly.
24	20/12/2019	WEB SYNERGIES	
25	21/12/2019	MAGIK MINDS	 1. It is a software company which works across ITOps, Cyber security, Networks, and Cloud 2. Joining in this gives a confidence start in career
26	22/12/2019	RAYBIZ TECHNOLOGIES	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
27	26/12/2019	SAVANTIS SOLUTIONS	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
28	09/01/2020	YSI AUTOMOTIVE	1. WOOSU AUTOMOTIVE INDIA PRIVATE LIMITED is a machinery company 2. Involves in production of many components.
29	07/12/2019	TAVANT TECHNOLOGIES	1. It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer.
30	10/01/2020	Tech Mahindra	1. A multinational professional services network of firms. 2. By joining You can become an Analyst, economist, Technologist, Innovator.
31	20/1/2020	TESSOLVE	
32	20/01/2020	TETRASOFT	

33	29/01/2020	GLOBAL AUTO COMPONENTS	 1. It is a global production company and will be employed as trainee in production department of various automobile components.
34	30/01/2020	SINTEX BAPL	Sintex/BAPL Limited manufactures auto parts. As a trainee, company involves you in production and manufacture of moulded plastic components such as rear bumper, overhead, side wall
35	31/01/2020	United Industries	
36	19/02/2020	MILEKAL	It is a steelwork design company and the hired one will undergo different software trainings related to steel detailing and desisgns
37	03/03/2020	QSPIDER/JSPIDER	QSpiders is No.1 software testing training institute in India with a view to bridge the gap between industry requirement and curriculum of educational. Here you will be trained to make a road map how to make better connections between industry and educational industries.
38	14/03/2020	DXC TECHNOLOGY	1. DXC is an consulting company through which we provide recruitment to different multinational companies. 2. Joining in DXC is a kick start and the knowledge in c, c++, jva, python is required.
39	12/03/2020	Medico Health care	Healthcare services, technology and management company. Good platform for fresher's to grow they life lot of learning will we there
40	07/02/2020	THASMAI AUTOMATION	thasmai is an innovative solution provider. Designing solutions for Security, Home Automation and Home Theaters hired will be as design analyst where he works under different environments
41	13/02/2020	EIDIKO	1. It is a software company which works across ITOps, Cyber security, Networks, and Cloud 2. Joining in this gives a confidence start in career
42	21/07/2020	Byju's	1. BYJU'S is an Indian multinational educational technology company 2. Can become professional in business development, trainings.
43	29/09/2020	Vayu Group	1. It is a software company which works across ITOps, Cyber security, Networks, and Cloud 2. Joining in this gives a confidence start in career

44	17/09/2020	RAMKY INFRASTRUCTURES	Ramky Infrastructure Ltd a public limited company serving diverse sectors including construction business and infrastructure development projects in India Graduate Trainee Engineer will be trained on all aspects related to construction and business
45	28/09/2020	SL LUMAX	
46	10/12/2019	HDFC	HDFC Bank Limited is an Indian banking and financial services company will be employed as sales executive and responsible for financial related.
47	18/1/2019	Moving Dneedle	Real estate agency and will be hired as sales support
48	10/02/2020	Itz My Choice	
49	11/02/2020	Mphasis Ltd	 Mphasis has been nimble and agile in integrating and building specialization to enable future proofing of the organization as well as its customers. Associate Software Engineer will be trained to Applications Development, Applications Testing, and Application Production Support etc. as per business requirement.
50	12/02/2020	Tata AIG	It is an general insurance company and a joint venture between tata group and American international group
51	13/02/2020	Quess Corp Ltd	
52	05/02/2020	Multiplier AI Solutions	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
53	28/02/2020	CES Limited	
54	16/03/2020	More Retail Ltd	It is an private company and the career will start as sales executive where you will be given targets
55	12/03/2020	Medico Health care	Healthcare services, technology and management company. Good platform for fresher's to grow they life lot of learning will we there

Training, Career Guidance & Placement Cell Events and Activities A.Y. 2018/2019

S.No.	Date	Conducted By	Description of the Event	Venue	Resource Person	No.of Students Enrolled
1	16/08/2018	ACE Academy Hyderabad	Importance of Gate Exam	Ramanujan Bhavan. Seminar hall	Sri K. Kesava Reddy	387
2	20/09/2018	Global Opportunities Vishakapatnam	Awareness on Higher Education	Ramanujan Bhavan. Seminar hall	Sri I. Mohammed Basha	383
3	12/12/2018	Time Institute Rajamahendravram	Career Planning and Management	Ramanujan Bhavan. Seminar hall	Sri K. Sai Venkat	428
4	31/1/2019	Infosys Hyderabad	Awareness on Opportunities in Software Industry	Ramanujan Bhavan. Seminar hall	Sri G. Karthik	445
5	27/2/2019	RK Study Center Rajamahendravram	Awareness on Banking sector exams	Ramanujan Bhavan. Seminar hall	Sri V. Sandeep	451

Events Conducted Under Training & Placement Committee A.Y. 2018/2019

S.No	Name of the Program	Date	Resource Person	No. of Students Attended
1	**Soft skills –**English Speaking skills	11/06/2018 to 13/06/2018	Technical Hub, Surampalem Mr. K.Devan 9397934366	272
2	**ICT/Computing skills –** Five day training on JAVA Programming	17/07/2018 to 21/07/2018	Technical Hub, Surampalem Mr. R Sudhir 9951722111	323
3	**Soft skills –** One week Campus Recruitment Training	10/12/2018 to 15/12/2018	Technical Hub, Surampalem Mr. K Bharath Kumar 9346445450	165
4	**ICT/Computing skills –**Training on Cisco networking	04/02/2019 to 09/02/2019	Technical Hub, Surampalem Mr. B.Veerababu 9492157450	323

COMPANIES VISITED A.Y. 2018/2019

S.No	Date	Name of the Company	Salary Packages
1	23/03/2019	PATHFRONT	1.80 LPA
2	18/08/2018	RIKTAM TECHNOLOGY	2.16 To 4.20 LPA
3	09/01/2019	ALIENS GROUP	2.04 LPA
4	20/11/2018 23/11/2018	APTROID	2.40 LPA
5	19/03/2019	ARYAAN SOLUTIONS	1.80 LPA
6	01/10/2019 11/10/2019	ASPIRATION ENERGY	2.40 LPA
7	22/02/2019	ATOS SYNTEL	3.50 LPA
8	17/09/2018	AZTEC	1.90 LPA
9	20/03/2019	BSCPL	1.80 LPA
10	20/02/2019	CALIBER TECHNOLOGIES	2.60 LPA to 2.70 LPA
11	03/10/2018	CAPGEMINI	3.80 LPA
12	23/03/2019	CHOLA MS GENERAL INSURANCE / MURUGAPPA GROUP.	3.00 LPA
13	21/06/2018	CIALFOR	1.80 LPA
14	25/11/2018	CTRLS	3.30 LPA
15	06/02/2019	CTS (COGNIZANT)	3.25 LPA
16	24/05/2019	DECATHLON SPORTS	2.81 To 3.31 LPA
17	28/07/2018/	DIVAMI	3.2 LPA
18	16/05/2019	DREAMGAINS	5.3 LPA
19	11/03/2019	DREAMSTEP	1.20 LPA
20	22/11/2018	EFFTRONICS	3.00 To 7.00 LPA
21	07/03/2019	FNP (FERNS & PETALS)	4.00 LPA
22	14/02/2019 15/02/2019	GENPACT	2.40 LPA
23	09/04/2019	GGK TECH	3.50 LPA
24	09/04/2019	GSK	1.44 LPA
25	07/01/2019	HCL	3.50 LPA
26	26/12/2018 28/12/2018 29/12/2018	HYPER FILTERATION PVT. LTD.	1.80 LPA
27	05/04/2019	IB HUBS	8.00 LPA

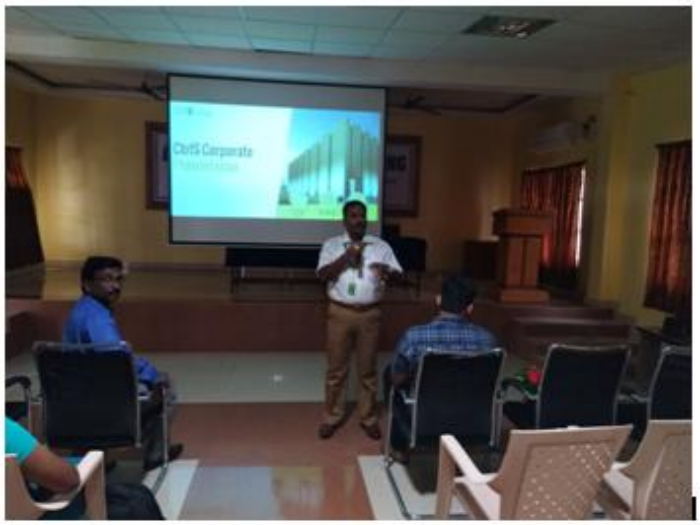
28	08/02/2019	IBEON INFOTECH	2.40 LPA
29	22/04/2019	INFOR GLOBAL SOLUTIONS	4.46 LPA
30	21/12/2018	INFOSYS	3.60 LPA
31	28/09/2018	INVENIO SOLUTIONS	3.60 LPA
32	20/11/2018 21/11/2018 22/11/2018	JARO EDUCATION	5.64 LPA
33	27/09/2018 28/09/2018 29/09/2018	KEKA(TECHNOVERT)	6.00 LPA
34	14/03/2019	KRISAM AUTOMATION PVT LTD	1.80 LPA
35	11/03/2019	KWANG JIN INDIA AUTO SYSTEMS PVT LTD	1.56 LPA
36	18/02/2019 19/02/2019	L/CUBE (GLENWOOD SYSTEMS)	2.40 LPA to 2.70 LPA
37	28/12/2018	LTI INFOTECH	3.30 LPA
38	19/11/2018	LTI INFOTECH(PT)	4.10 LPA
39	21/11/2018	MULTIPLIER SOLUTIONS	2.70 LPA
40	18/03/2019	NANDEE NETWORKS	1.80 LPA
41	23/02/2019	NVH INDIA AUTO PARTS PVT. LTD	1.38 LPA
42	07/02/2019	OPEN TEXT	6.82 LPA
43	30/01/2019	PARAMATRIX TECHNOLOGIES	3.00 LPA
44	16/03/2019	PENNANT TECHNOLOGIES	2.40 LPA
45	28/12/2018 29/12/2018	PRATIAN TECHNOLOGIES	4.00 LPA
46	29/03/2019	PROLIFICS	3.00 LPA
47	02/03/2019	QSPIDERS | JSPIDERS	2.40 LPA
48	24/01/2019	RAAM GROUP	2.40 LPA
49	29/01/2019	SAMSUNG R&D	7.50 LPA
50	1502/2019	SAVANTIS	1.83 LPA
51	24/11/2018	SEGUROSOFT	2.40 LPA
52	23/01/2019	SENSA CORE MEDICAL INSTRUMENTATION	1.97 LPA
53	10/04/2019	SEVENTH SENSE TALENT SOLUTIONS	3.50 LPA
54	28/09/2020	SL LUMAX	1.47 LPA
55	12/02/2019	SURYA TECH SOLUTIONS	1.98 LPA to 5.40 LPA

56	10/11/2018	SYNTEL	3.60 LPA
57	04/10/2018	TCS	3.36 LPA
58	13/05/2019	TECH TAMMINA	1.44 LPA
59	12/01/2019	TECHNIPFMC	6.00 LPA
60	28/11/2018 30/11/2018	TEK SYSTEMS	6.00 LPA
61	20/03/2019 21/03/2019	THASMAI AUTOMATION	3.65 LPA
62	29/04/2019	TRINITY CLEANTECH	1.44 LPA
63	15/03/2019	VIJAY NIRMAN	1.80 LPA
64	16/11/2018	WIPRO	3.50 LPA
65	20/09/2018 21/09/2018	ZENQ	3.20 LPA

CAREER COUNSELING/AY 2018-19

S. No.	Date	Name of the Company	Description of Pre/Placement Talk
1	28/07/2018	Divami	 1. We are the leading UX UI Design agency offering research, website design, and web and mobile app development 2. An UX Engineer - Intern should have Sound conceptual knowledge on Programming languages and platforms Excellent coding skills in C/C++/Java Good at problem solving and analytical thinking, Soft Skills, Excellent communication skills Team player, Positive Attitude Open to change
2	17/09/2018	AZTEC	1. It is a process automation and information firm founded by industry experts 2. Hiring as Trainee to plan, develop, design, construct

3	28/09/2018	Invenio Solutions	 It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
4	3/10/2018	CAPGEMINI	1. Applies next/generation technology to help enterprises transform businesses globally. 2. We would be hiring for Associate Software engineer and required skill sets are Applications Development, Applications Testing, Application Production Support etc. as per business requirement.
5	4/10/2018	TCS	1. Company that designs critical high/tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding/ C,C++,JAVA and Python.
6	10/11/2018	Syntel	
7	16/11/2018	WIPRO	1. Company that designs critical high/tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding/ C,C++,JAVA and Python.
8	28/12/2018	LTI INFOTECH	1. Applies next/generation technology to help enterprises transform businesses globally. 2. We would be hiring for Associate Software engineer and required skill sets are Applications Development, Applications Testing, Application Production Support etc. as per business requirement.
9	21/11/2018	MULTIPLIER SOLUTIONS	1. It is a niche software solutions and service provider across horizontal markets. A key enabler in the digital transformation space. 2. involved as Associate Software Trainee who will be working on python, product based.
10	22/11/2018	EFFTRONICS	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
11	24/11/2018	SEGUROSOFT	

12	25/11/2018	CTRLS	 1. CtrlS sells services like data center collocation, DC build and consulting, Internet bandwidth, managed services, cloud security services, and disaster recovery services. 2. Cloud computing, Cloud storage Knowledge of Uptime and TIA standards for data centers design
13	21/12/2018	INFOSYS	 1. Company that designs critical high-tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills that are available immediately to join. Coding- C, C++,JAVA and Python.
14	19/11/2018	LTI INFOTECH(PT)	1. Applies next/generation technology to help enterprises transform businesses globally. 2. We would be hiring for Associate Software engineer and required skill sets are Applications Development, Applications Testing, Application Production Support etc. as per business requirement.
15	09/01/2019	Aliens Group	1. A company that designs critical high/tech systems for strategic industry sectors worldwide. Its solutions combine electronics and information technology, delivering rapid innovation to its customers. The highly skilled teams enable fast deployment and long/term maintenance of its solutions. 2.We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding/ C,C++,JAVA and Python and Machine Learning is necessary

16	06/02/2019	CTS (COGNIZANT)	1. Company that designs critical high/tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding/ C,C++,JAVA and Python.
17	08/02/2019	IBe ON Infotech	1. BYJU'S is an Indian multinational educational technology company 2. Can become professional in business development, trainings.
18	12/02/2019	Surya Tech Solutions	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
19	15/02/2019	Savantis	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
20	23/02/2019	NVH India Auto Parts Pvt. Ltd	
21	02/03/2019	QSpiders | JSpiders	Q Spiders is No.1 software testing training institute in India with a view to bridge the gap between industry requirement and curriculum of educational. Here you will be trained to make a road map how to make better connections between industry and educational industries.
22	07/03/2019	FNP (Ferns & Petals)	
23	11/03/2019	Kwang Jin India Auto systems Pvt Ltd	1.Kwang Jin Corporation (KJC) manufactures quality rotary joint and swivel joint that are used in various steel industry fields 2. Involves in production department as an quality analyst
24	15/03/2019	Vijay Nirman	Vijay Niram Ltd a public limited company serving diverse sectors including construction business and infrastructure development projects in India Graduate Trainee Engineer will be trained on all aspects related to construction and business
25	18/03/2019	Nandee Networks	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
26	19/03/2019	Aryaan Solutions	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
27	23/03/2019	Pathfront	Identity Services for their business success. We support identity and access management services from industry leaders including OKTA, Microsoft Azure and IBM Should have knowledge on .net, Java / IBM (Filenet, WebSphere Portal/ i2) / SAP/ Oracle / Microsoft Technologies/ Security etc.
28	23/01/2019	Sensa Core Medical Instrumentation	It is a machinery company Involves in production of many components of medical and will be a representative in sales department.
29	23/03/2019	Chola MS General Insurance / Murugappa Group.	holamandalam MS General Insurance Company Ltd is an Indian insurance firm and a joint venture between the Murugappa Group, an Indian conglomerate, and the Mitsui Sumitomo Insurance Group, a Japanese insurance company

30	16/03/2019	Pennant Technologies	
31	29/03/2019	Prolifics	1. A company that was born in the digital culture and creates solutions based on a methodology that combines intense business analysis, UX design and technology 2. works on test automation and marketing
32	14/03/2019	Krisam Automation Pvt Ltd	is an innovative solution provider. Designing solutions for Security, Home Automation and Home Theaters hired will be as design analyst where he works under different environments
33	10/04/2019	Seventh Sense Talent Solutions	It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
34	05/04/2019	IB HUBS	 It is completely an software company and working on projects on different languages which helps you to be employed as a software engineer
35	20/03/2019	BSCPL	1. It is a construction Company and a graduate trainee position will be offered and will be responsible for the total project until completion
36	09/04/2019	GSC	 1. GSG is a company that designs critical high-tech systems for strategic industry sectors worldwide. Its solutions combine electronics and information technology, delivering rapid innovation to its customers. The highly skilled teams enable fast deployment and long-term maintenance of its solutions. 2. We are recruitment for Trainee Software Associate 3. Requires excellent technical, communication and presentation skills that are available immediately to join. Coding- C,C++JAVA and Python and Machine Learning is necessary

37	29/04/2019	Trinity Cleantech	
38	08/09/2018	RAKI AVENUES	RAKI group is the emerging leader in AP state in real estate and Construction sector with major interests in building smartly Graduate trainee Engineer will be trained in all aspects related to construction.
39	05/01/2019	Vivo Global	1. Explore high/tech and powerful vivo smartphone and accessories. The world's leading smart device manufacturers in photography and gaming performance 2.Trainee will be involved in production
40	23/01/2019	BATA INDIA	Bata Corporation is a Czech multinational footwear and fashion accessory manufacturer and retailer
41	30/01/2019	Placement Park	
42	24/01/2019	Raam Group	1. raam group Leading automobile dealership. 2. will be an sales representative
43	31/01/2019	Spandana Sphoorty	Spandana Sphoorty Financial Ltd is a Micro Finance firm head/quartered at Hyderabad
44	14/02/2019	Genpact	1. Company that designs critical high/tech systems for strategic industry sectors worldwide. 2. We are recruitment for Trainee Software Associate Requires excellent technical, communication and presentation skills who are available immediately to join. Coding/ C,C++,JAVA and Python.
45	18/04/2019	ICICI BANK	ICICI Bank Limited is an Indian banking and financial services company Will be employed as sales executive and responsible for
46	19/03/2019	BROADRIDGE	
47	21/03/2019	CULTFIT	

9.6. Entrepreneurship Cell (5)

(The institution may describe the facility, its management and its effectiveness in encouraging entrepreneurship and incubation) (Success stories for each assessment years are to be mentioned)

The Entrepreneurship Development Cell (EDC) in Aditya College of Engineering (ACOE) is initiated to promote Entrepreneurship Culture and activities among the students by organizing the related activities.

Facility and its Management

ACOE/EDC was established in 2014 and the primary objective of EDC is to organize Entrepreneurship awareness Programs for students in order to bring awareness about Entrepreneurship. The EDC in college conducts a number of Skill development training programs that can lead to self/employment. As a part, research work and surveys will be carried out for identifying entrepreneurial opportunities. EDC also arranges guest lectures by successful entrepreneurs and provides a platform for interaction between professional entrepreneurs and student entrepreneurs apart from organizing Boot camps, industrial visits, and panel discussions.

The main aim of the EDC is to develop entrepreneurship capability in students by organizing workshops on business communications (Email Writing; CV Making; Applying for a job), Presentation skills (How to present), idea Generation for Startups and technology development. EDC in college invites eminent people as resource persons like personality development trainers to motivate the students and to develop the attitude students. EDC cell has its own committee to take care of all the activities.

Events Conducted by EDC A.Y. 2021-22

S. No	Event Conducted Date	Name of the Event	Name of Guests	No.of Students Participated
1	08/11/2021 To 13/11/2021	6 Day Workshop on Generate Your Start/up Idea	Mr. K.B.S.Tarun Kumar founder and CEO of Hydro Tribe Private Limited	146
2	12/11/2021	Industrial Visit of Entrepreneurs Club members	Visit to Sri nikhil Krishna solution Peddapuram	142
3	16/11/2021	Idea Day	Mr. Surya Prasad Padala Founder and CEO of Padala Charitable Trust	139

Events Conducted by EDC A.Y. 2020-21

S. No	Event Conducted Date	Name of the Event	Name of Guests	No.of Students Participated
1	23.01.2021	Startup talks and interaction with our Start/up founders	Sri K.B.S. Tarunkumar intern coach of APSSDC	168
2	17/02/2021	Industrial visit for startup aspirant students	Visit to SNKS LED manufacture industry Peddapuram	153

Events Conducted by EDC A.Y. 2019-20

S. No	Event Conducted Date	Name of the Event	Name of Guests	No.of Students Participated
1	05/12/2019 to 07/12/2019	A Three/day college level boot camp on ideation and venture creation	Sri K.B.S. Tarun Kumar, intern coach of APSSDC	156
2	16/02/2020	A Seminar on Entrepreneurship Development and Startups in India	Sri K.B.S. Tarun Kumar, intern coach of APSSDC	148

Events Conducted by EDC A.Y. 2018-19

S.No.	Event Date	Name of the Event	Name of Guests	No of students participated
1	26/12/2018	ICONIC Event	Dr N. Sesha Reddy Chairman Aditya Group of Institutions Surampalem	142
2	16/02/2019	A Seminar on Entrepreneurship development and Startups in India	Mr. T.Bhogeswara Rao Industrialist. Chairman &Managing Director TBR Group Hyderabad	150
3	20/02/2019 to 21/02/2019	Two/day orientation programme “CEO Connects”	1. Maj. Gen. VPS Bhakuni VSM(R). (CEO Eagles Unbound) Bangalore. 2. Col. KV. Nair (R) 3. Dr. Saddam	164

Start/ups Initiated by Students

S. No.	Name	Branch	A.Y.	Enterprise	Certificate
1	Ms. T. Bhuvanaeswari	CSE	2021/22	**Tales to Teach Pvt.Ltd** Tales to teach is a unique way of teachings in the form of stories. The team of four members started to bring revolution to the teaching and education sector. This startup makes different stories to understand the concept and applications in the form of tales.	

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
Central Registration Centre
Certificate of Incorporation
[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that TALES TO TEACH EDU SOLUTIONS PRIVATE LIMITED is incorporated on this Twenty third day of June Two thousand twenty-two under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

The Corporate Identity Number of the company is U80302AP2022PTC122061.

The Permanent Account Number (PAN) of the company is AAJCT4847J *

The Tax Deduction and Collection Account Number (TAN) of the company is VPNT02942C *

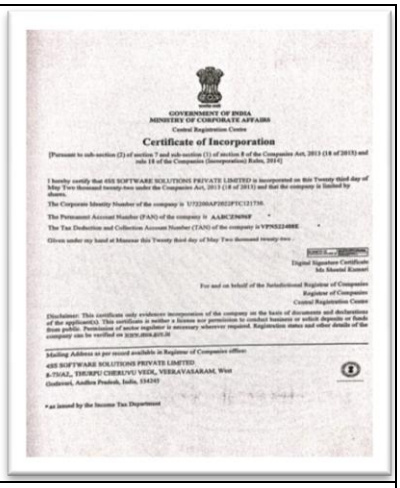
Given under my hand at Mangalagiri this Twenty fourth day of June Two thousand twenty-two .

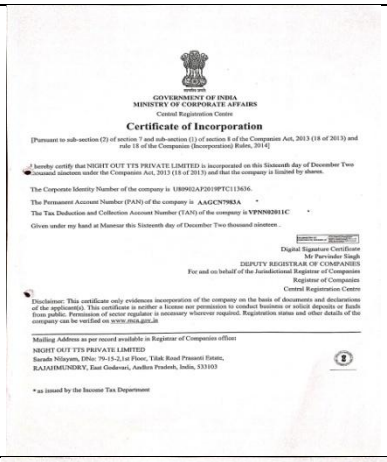
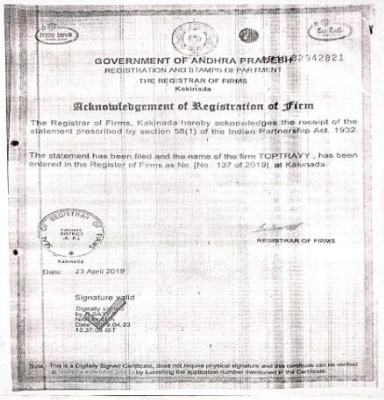
Digital Signature Certificate
PANKAJ SRIVASTAVA
DEPUTY REGISTRAR OF COMPANIES
For and on behalf of the Jurisdictional Registrar of Companies
Registrar of Companies
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on www.mca.gov.in

Mailing Address as per record available in Registrar of Companies office:
TALES TO TEACH EDU SOLUTIONS PRIVATE LIMITED
H.NO.18-6-34, LINGAMPETA, REVENUE WARD NO. 9,
RAJAHMUNDRY, East Godavari, Andhra Pradesh, India, 533104

* as issued by the Income Tax Department

2	Mr. V.A.S Subramanyam	CSE	2021/22	**4SS Software Solutions Pvt. Ltd.** They develop software for computers, mobile devices and the web with high quality and adaptable softwares.	 GOVERNMENT OF INDIA MINISTRY OF CORPORATE AFFAIRS Central Registration Centre **Certificate of Incorporation**
3	Mr. K. Bhaskar & Mr. P. Hari Prasad Reddy	CE ME	2020/21	**SDG Organics (Sri Durga Ganesh Rice deport Pvt.Ltd)** Current scenario its hard to get hygienic and organic rice, wheat, pulses, and veggie products. The team SDG Organics doing a contract farming with the association of Farmers and Tribes to provide healthy and hygienic food to the SDG community families	 GOVERNMENT OF INDIA MINISTRY OF CORPORATE AFFAIRS Central Registration Centre **Certificate of Incorporation**
4	Mr K.B.S. Tarun Kumar & Mr.REswaravara Prasad	ME ME	2020/2021	**Hydro Tribe Pvt. Ltd.** Design and installation of customized structures for cultivating organic vegetables by using soil/less forming techniques like hydroponics, Aeroponics and Aquaponics. Varieties of models are available for households and high/rise buildings.	 GOVERNMENT OF INDIA MINISTRY OF CORPORATE AFFAIRS Central Registration Centre **Certificate of Incorporation**

5	Mr.J. Teja	ECE	2019-20	**Night out Pvt Ltd** It is meticulously designed application where it provides a unique way of learning system. The content lecture videos are in a simple way are in simple language.	
6	Mr. V. Prashanth & Mr.G.RaviTeja	ECE ECE	2019-20	**Top Tray** Top Tray, The shop where you can find all the desired daily products in one place. In one click you have your desired products in one place.	
7	Mr. P. Bhaskar & Mr.D.Ram Rahul	CE CE	2018-19	**QQadz** QQadz for all Services (Branding & Advertising, Digital Marketing, Web Designing, House Layouts, Consultancy Services, Marketing Strategy, App Development, Media Works). We are with you for showcasing your brand in to market.	
8	Mr. V. Bharath & Mr. A. Sai Kumar	ECE ME	2018-19	**Trigid** TrigidTechnologies(3dclikx) Empowering the innovation and prototyping by fulfilling the requirements of the engineers at the best with the joy of 3D printing.	

9	Mr. K.K.Mishra & Mr.C.Manohar	CSE CSE	2018-19	**Agumentik** Agumentik is the fastest growing startup in Andhra Pradesh for designing Software, Website Development, App Development, Animation, Game Designing and Digital Marketing Era.	
10	Mr.D. Charan Sanjeev	ECE	2016/17	**Get my tailor** It is an online tailoring service which enables customers to get their stitching done.	

9.7. Co-Curricular and Extra-Curricular Activities (10)

The college encourages the students to take part in both co/curricular and extra/curricular activities. The students are allowed to take part in various sport activities also.

I Sports and Cultural Activities)

Under sports and cultural activities ÀCOE conducts many sports and celebrates many activities like Engineers day, Teachers day, Farmers day, Pongal celebrations etc. Along with the above mentioned events various cultural activities like debate and discussion, Quiz, paper presentations, seminars and group discussion sessions are conducted.

Why Extracurricular Activities Matter

Getting involved in clubs, sports, work or other pursuits outside the classroom can give student new skills and help them learn about their own self. Extracurricular Activities also play a part when you apply to colleges. Most college applications ask about student activities. That's because the things student do in their free time reveal a lot about them — in ways that grades and test scores can't. Student accomplishments outside the classroom show what they are passionate about and that they have qualities valued by colleges.

The details of various categories of sports and cultural activities are listed below:

I) Sports

The Sports activities at Aditya College of engineering offer an opportunity to participate in a broad variety of sports and recreational activities. All programs are based on student interest and creates an environment where students can unite in diverse groups to achieve common goals and objectives while encouraging healthy lifestyles. Sports activities provide a valuable learning experience through student involvement in public relations, organization, administration, budgeting, scheduling, teaching, and leadership development.

Extracurricular activities are part of the college experience to find out what these students learned when they put down the books and got involved. Activities outside the classroom can give new skills and perspectives. They also reveal things about you that grades and test scores can't.College also offers Intramural leagues, Intramural leagues are set up by the college to give all students a chance to participate. Teams from the same college play against each other.

Students can often participate in traditional sports, such as basketball, soccer and softball, and can sometimes compete in other activities, such as dodgeball, inner/tube water polo or video games. Some colleges offer these types of sports at different levels, so students can match their skills and interest level by choosing a more/ or less/competitive team.

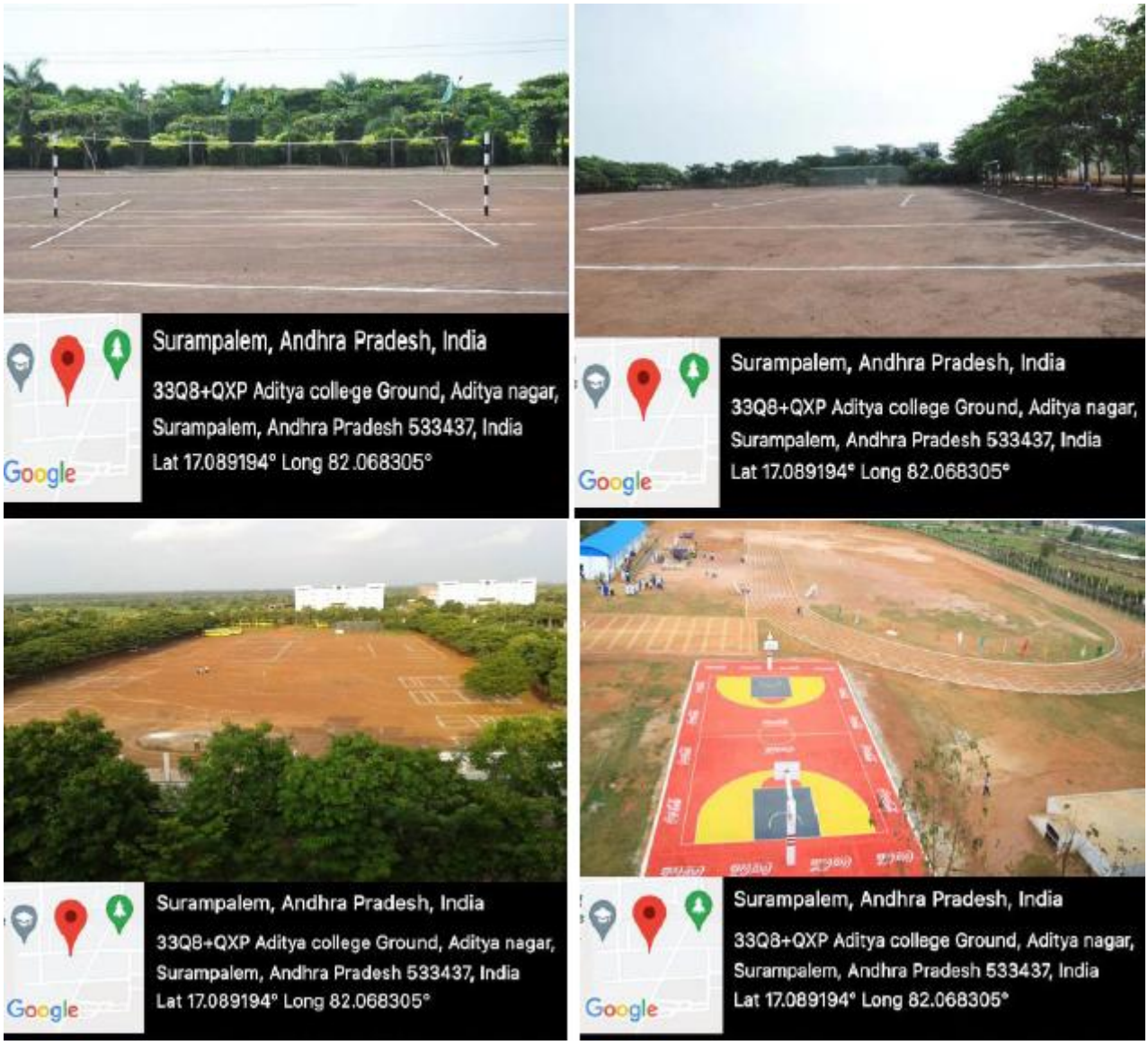
Availability of Sports Facilities:

List of play fields available in the campus

Sl. No.	Play field	No. of play fields		Sl. No.	Play field	No. of play fields
1	Volleyball courts	2		12	Kho/Kho courts	2
2	Throw ball court	1		13	Ball badminton court	2
3	Basketball court	1		14	Tennykoit court	2
4	Kabaddi court	1		15	Hand ball court	1
5	Long jump pit	1		16	Shotput circle	1
6	High jump pit	1		17	Discuss circle	1
7	200 mts. track	1		18	Javelin throw	1
8	Football and hockey	2		19	Gymnasium	1
9	Cricket field	1		20	Shuttle badminton court	2
10	Cricket bowling and batting nets	3		21	Table tennis boards	2
11	Kabaddi courts	2		22	Billiards board	1

Photo Gallery of the Play Fields

Images of Cricket Practice Nets,
Table tennis, Basketball court



Images of volleyball court, Football field, Kabaddi & Kho Kho Courts,400m Athletics Track

Images of 100mts track, long jump pitch

List of Sport Activities:

Total Participant List

S.No.	Year	No.of Participants		Total No.of Participants
		Boys	Girls	
1	2021-2022	634	274	908
2	2020-2021	222	118	340
3	2019-2020	409	222	631
4	2018-2019	566	374	940

Academic Year 2021-2022

S. No	Name of the Event		Date of Events	No.of Participants
1	On the eve Independence day	Kabaddi for Boys	$13^{th}/14^{th}$ August	85 (9 Teams)
		Badminton for Girls		29
2	On the eve of National Sports day	5KM Run For Boys	$26^{th}/27^{th}$ August	62
		3KM Run for Girls		44
3	Chess Championship	Boys	$6^{th}/7^{th}$ December	47
		Girls		33
4	Volleyball Tournament	Boys	$15^{th}/16^{th}$ December	75 (8 Teams)
		Girls		43 (5 Teams)
5	Badminton Tournament	Boys	$28^{th}/29^{th}$ December	57
6	Basketball Tournament	Boys	$7^{th}/8^{th}$ January	62 (7 Teams)
7	A eve of Republic Day	Badminton for Boys	$24^{th}/25^{th}$ January	62
		Throw ball for Girls		56 (5 Teams)
8	Kho Kho Tournament	Boys	$28^{th}/29^{th}$ March	86 (8 Teams)
9	Kabaddi Tournament	Boys	$27^{th}/28^{th}$ April	98 (10 Teams)
		Girls		69 (7 Teams)

Academic Year 2020-2021

S. No	Name of the Event		Date of Events	No.of Participants
1	Badminton Tournament	Boys	$11^{th}/12^{th}$ February	57
		Girls		36
2	Chess Championship	Boys	$24^{th}/25^{th}$ February	51
		Girls		47
3	Volleyball Tournament	Boys	$9^{th}/10^{th}$ March	56 (7 Teams)
		Girls		35 (4 Teams)
4	Kabaddi Tournament	Boys	$25^{th}/26^{th}$ March	58 (6 Teams)

Academic Year 2019-2020

S. No	Name of the Event		Date of Events	No.of Participants
1	On the eve of Independence day	Volleyball for Boys & Girls	$12^{th}/14^{th}$ August	56 (6Teams)
				38 (4 Teams)
		Cricket for Boys		75 (5 Teams)
		Tennikoit for Girls		32
2	On the eve of National Sports day	5KM Running for Boys	$27^{th}/28^{th}$ August	56
		3KM Running for Girls		37
3	Kabaddi Tournament	Boys	$6^{th}/7^{th}$ October	68 (7 Teams)
4	Kho Kho Tournament	Boys	$28^{th}/29^{th}$ November	60 (5 Teams)
		Girls		47 (4 Teams)
5	On the eve of Republic day	Badminton for Boys & Girls	$24^{th}/25^{th}$ January	32
		Volleyball for Boys & Girls		27
				62 (6 Teams)
				41 (4 Teams)

S. No	Name of the Event		Date of Events	No.of Participants
1	On the eve of Independence day	Chess for Boys & Girls	$10^{th}/14^{th}$ August	63
				51
		Kabaddi for Boys		62 (6 Teams)
		Badminton for Boys & Girls		53
				45
2	On the eve of National Sports day	100M Running for Boys & Girls	$25^{th}/28^{th}$ August	42
				31
		Shot put for Boys & Girls		32
				17
		Long Jump for Boys & Girls		35
				21
		Volleyball for Boys		68 (7 Teams)
		Tennikoit for Girls		30
3	Basketball Tournament	Boys	$10^{th}/11^{th}$ September	47(5 Teams)
4	Throw ball Tournament	Girls	$26^{th}/27^{th}$ November	42 (4 Teams)

5	On the eve of Republic day	Kabaddi for Boys & Girls	23rd/25th January	61 (6 Teams)
				52 (5 Teams)
		Kho Kho for Boys & Girls		55 (5 Teams)
				53 (5 Teams)
6	Badminton Tournament	Boys	14th/15th March	48
		Girls		32

ACADEMIC YEAR 2018 - 2019

Images of intramural games & sports meet (CHESS COMPETITION)

Images of intramural games & sports meet (VOLLEYBALL TOURNAMENT)

Images of intramural games & sports meet (Aditya premier league & Aditya football league)

II) Extracurricular Activities

List of Extracurricular Activities 2021 - 2022

Sl. No.	Name of the extracurricular activity	Date of activity	Number of participants
1	Essay Writing Competition @ National Education Day	11-11-2021	126
2	Quiz Competition@ National Mathematics Day	22-12-2021	52
3	Sankranthi Sambaraalu	09-01-2022	165
4	Elocution @ Republic Day	25-01-2022	48
5	Project Expo@ National Science Day	27-02-2022	65
6	Essay Writing@ Women's Day	06-03-2022	33
7	Drawing Competition	18-03-2022	35
8	Ugadi Celebrations	30-03-2022	106

List of Extracurricular Activities 2020 - 2021

Sl. No.	Name of the extracurricular activity	Date of activity	Number of participants
1	Rangoli @ Pongal	9-1-2021	35
2	Elocution @ Republic Day	25-1-2021	42
3	Yoga Training Session	9-2-2021	78
4	Project Expo@ National Science Day	24-2-2021	54
5	Essay Writing@ Women's Day	6-3-2021	36
6	Drawing Competition	18-3-2021	24

List of Extracurricular Activities 2019 - 2020

Sl. No.	Name of the extracurricular activity	Date of activity	Number of participants
1	Elocution @ Diwali -the festival of lights	25-10-2019	22
2	Essay Writing @ Children's Day-My Dream Parent	14-11-2019	34
3	Sudoku Competition@ National Mathematics Day	22-12-2020	28
4	Swing & Sing @ New Year's Eve	31-12-2019	26
5	Sankranthi Sambaraalu- Mehendi Designing	11-01-2020	18
6	International Day of Education- Theme2020- learning for people, planet, prosperity and peace- Poster Presentation	24-01-2020	22
7	Spot Choreography	09-02- 2020	32
8	Project Expo- National Science Day- Theme- Women in Science	28-02-2020	31
9	My Mother is Perfect, Fair & Lovely- Elocution Competition	08-03-2020	29
10	Let Us Draw- World Art Day- Drawing Competition	15-04-2020	27
11	International Dance Day	29-4-2020	38
12	World No-Tobacco Day- PPT on the topic: Smoking thrills but kills	31-5-2020	34


CULTURAL MEET
Surampalem, Andhra Pradesh, India
Unnamed Road, Surampalem, Andhra Pradesh 533437, India
Lat 17.093237°
Long 82.066521°
11/12/21 02:27 PM
Google


CULTURAL MEET
Surampalem, Andhra Pradesh, India
Unnamed Road, Surampalem, Andhra Pradesh 533437, India
Lat 17.093237°
Long 82.066521°
11/12/21 02:23 PM
Google


Surampalem, Andhra Pradesh, India
Unnamed Road, Surampalem, Andhra Pradesh 533437, India
Lat 17.093237°
Long 82.066521°
11/12/21 02:17 PM
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Surampalem, Andhra Pradesh, India
Unnamed Road, Surampalem, Andhra Pradesh 533437, India
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Long 82.066521°
11/12/21 02:55 PM


Surampalem, Andhra Pradesh, India
Unnamed Road, Surampalem, Andhra Pradesh 533437, India
Lat 17.093237°
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Surampalem, Andhra Pradesh, India
Unnamed Road, Surampalem, Andhra Pradesh 533437, India
Lat 17.093237°
Long 82.066521°
11/12/21 02:16 PM
Google

Images of Extracurricular Activities

III) NSS and other Clubs

a) National Service Scheme (NSS):

NSS is a voluntary association of young people in Colleges, Universities. The cardinal principal of the NSS program is that it is organized through participation in community service; gets a sense of involvement in the task of nation building.

List of NSS Events:

Table 9.7: Summary of NSS Events Conducted

Sl. No.	Event Name	No. of students participated	Date
1	Blood bank camp	253	14/06/2021
2	One rupee fund program for orphanage	75	08/10/2021
3	Eye camp and free distribution of spectacles	92	28/10/2021

Photo Gallery of NSS Activities

Images of Eye camp and free distribution of spectacles

Images of One rupee fund program for orphanage

Images of Vaccination camp

b) Club Activities

SAC is an official student/led body of Aditya College of Engineering (ACOE). It acts as a student representative medium and student/led venture accelerator that fosters the development of entrepreneurs in the ACOE community through the educational experience of developing an eco/system for business from concept to launch. SAC (Student Activity Council) of our college is constituted by the following clubs.

1. AID (Ability in Disability)
2. Tech Club
3. Speakers & Readers Club
4. Entrepreneurship Club

Summary of Club Events Conducted in the Academic Years of 2020 - 2021

S.No.	Event Name	No.of Students Participated	Date
1	Guest Lecture on Entrepreneurship by Mr. Manu Iyer	164	10.07.2018
2	Guest Lecture on Entrepreneurship by Mr. Ravi Budama	220	28.07.2018
3	Awareness program on Entrepreneurship	1200	31.07.2019
4	Business Idea Competition / 2019	160	05.09.2019
5	Demo Day	120	14.09.2019
6	Promoting Entrepreneurship to All First/Year Students	260	28.09.2019
7	Start/up Talks and Interaction Session	80	23.01.2020
8	Germinate Your Business Idea	35	18.02.2020 to 20.02.2020
9	Industrial Visit	35	17.02.2020

10	Guest Lecture on Opportunities in LED Industries by Mr. I. Nikhil SNK Solutions	150	27/02/2020
11	Singing	30	10.01.2022
12	Dance Show	45	10.01.2022
13	Rangoli Competition	36	10.01.2022
14	Fashion Show	26	10.01.2022
15	Sankranthi Sambaralu Event	150	10.01.2022

Student Activity Council Organized Sankranthi Sambaralu on 10-11 January, 2022 at Aditya College of Engineering

Student activity Council organized “Start/up Talks”. In this event, Entrepreneurship Development Cell supported start up founders who delivered there entrepreneurial journey to the students 80 participants.

Germinate your business idea is a workshop for Budding student entrepreneurs was organized and in this GYB workshop, they will learn how to generate a business idea and identify the problem & solution. They can also learn about how to evaluate the idea and how to do a SWOT analysis for the business idea. Institution Innovation Council & Entrepreneurship Development cell of Aditya College of Engineering organized this Generate Your Business Idea Workshop from 18.02.2020 to 20.02.2020.

Students visited the SNKS led manufacturing unit located at Peddapuram, East Godavari District, Andhra Pradesh and 35 students participated in this visit. Students are exposed to the production and manufacturing process and how a manufacturing firm can be as startups and the images are presented here.

A guest lecture on ‘Opportunities n LED industries was organized and successful entrepreneurs Mr.I Nikhil MD of Sri Nikhil Krishna Solutions, as a Guest speaker explained about the importance of entrepreneurship and opportunities in LED industries with 150 students’ participation.

Interactive Session on Entrepreneurship by Mr. Manu Iyer Managing Director, Blue Hill Capital Pvt Ltd, on 10th July 2018 and Mr Iyer explained about how to generate ideas and evaluate the idea, how to find a good team and team building, how to face market challenges, How to handle the Financials for start/ups. In this session, 110 students participated and interacted with the speaker, from all the Departments of Aditya College of Engineering.

On July 28th, Interactive Session on Entrepreneurship by Speaker Ravi Budama Founder & CEO of Startupyo.In this session, Mr.RaviBudama interacted with students and with Start/up teams. He explained why Entrepreneurship is important in the Present Scenario. How MSME's is playing a key role in Country Development. He has given some inputs to the start/up's teams

SAC Entrepreneurship Club associated with the Entrepreneurship development cell organized an "Awareness program on entrepreneurship" for 90 Minutes from 24.06.2019 to 31.07.2019. Speakers Mr K. B. S. Tarun Kumar and Mr T. Charan delivered a talk on what is innovation and entrepreneurship, need for innovation in daily life and conducted a brainstorming session with 1200 students active participation.

SAC Members displayed and explained the ventures under the Entrepreneurship development cell. Students visited the products displayed and services provided by the startups. They learn how these startups are running and how they innovate the products and services to gain the customer interest. 1st year students understood how entrepreneurship development cell helps to the startups and 260 students were participated.

On 5th September 2019, Student Activity Council associated with Entrepreneurship Development cell organized Business Idea Competition/2019. In this program 5 best ideas in different emerging technologies like Agri/tech, Edu/tech, and E/Commerce were shortlisted out of 28 ideas were registered.

Student Activity Council associated with Entrepreneurship Development Cell organized Demo Day on 13/14 September 2019 at Aditya College of Engineering. In this event from the Entrepreneurship development cell, 10 start/ups and 6 ideated ventures participated.

III) Annual Activities:

Table 9.7.7: List of Annual Activities

S.No.	Event	Participants	Months of Conduction
1	Christmas Celebrations	300	December,2021
2	International Students Day Celebration	500	November, 2021
3	Engineer's Day	300	September, 2021
4	Achievers day	300	September, 2021
5	Christmas Celebrations	350	December,2019
6	International Students Day Celebration	150	November,2019
7	Engineer's Day	290	September,2019
8	Independence Day	250	August, 2019
9	Republic day celebrations	350	January, 2019
10	Christmas Celebrations	300	December,2018
11	International Students Day Celebration	150	November,2018
12	Engineer's Day	500	September,2018
13	Independence Day	250	August, 2018
14	Republic day celebrations	300	January, 2018

Christmas Celebrations, 160th birth Anniversary celebrations of Sir Mokshgundam Visvesvaraya, International Students Day Celebrations, Achievers Day Celebrations for A.Y 2021-2022

Images of Republic Day, Engineers Day Celebrations for A.Y 2019 - 2020

Images of Republic Day, Engineers Day Celebrations for A.Y 2018-2019

CRITERIA 10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120

10.1 Organization, Governance and Transparency (40) Total Marks 40.00

10.1.1 State the Vision and Mission of the Institute (5) Institute Marks : 5.00

Vision :

To induce higher planes of learning by imparting technical education with

- International standards
- Applied research
- Creative Ability
- Value based instruction

and to emerge as a premiere institute.

Mission :

Achieving academic excellence by providing globally acceptable technical education by forecasting technology through

- Innovative Research And development
- Industry Institute Interaction
- Empowered Manpower

10.1.2 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10) Institute Marks : 10.00

ACOE follows the organization chart shown and the effective leadership is visible in various institutional practices such as decentralization and participative management.

Governing Body

The Governing body is constituted as per the guidelines prescribed by AICTE / State Government / UGC / State Government. The Governing Body meets once in six months and interacts with industry experts, faculty, students and corporate to understand the improvement areas and raise the level of knowledge delivery at Aditya College of Engineering with the assistance of faculty members and administrators of the Institute. The Chairman, Vice-Chairman and Secretary are the functionaries who take the responsibility of implementing the policy decisions of the governing body. The functions and composition of Governing Body is presented and the minutes of governing body meetings are annexed.

- Governing body members are required to respect the confidentiality of sensitive information held by the Institute.
- The Governing body will comply with detailed tendering and purchasing procedures as well as complying with prescribed levels of authority for sanctioning any expenditure.
- The Members are required to use their reasonable endeavours to attend all governing body meetings.
- Governing body will guide and monitor the Institute while fulfilling the objectives.
- All the Institute activities and recommendations of the Academic Committee are reviewed.
- Governing body approves new courses/programs /certification programs recommended by the Principal.
- Recruitment process for Teaching/Non-teaching shall be approved by the Governing body with the policies laid down by AICTE/UGC/State Government/University etc.
- Governing body approves the annual budget of the Institute while considering all the requirements.

S. No.	Name of the member	Position in GB
1	Dr N. Satish Reddy	Chairman
2	Dr N. Sesha Reddy	Member
3	Sri N. K. Deepak Reddy	Member
4	Dr N. Suguna Reddy	Member
5	Smt. N. Sruthi	Member
6	Dr Pullela S.V.V.S. Ravi Kumar, Dean (A & A)	Faculty Member
7	Sri K. Manoj Kumar Reddy, Professor & HOD-EEE	Faculty Member
8	Dr M. Srinivasa Reddy	Educationist
9	Smt Pilli Sumalatha, Asst. Manager, Poorna Textiles, Peddapuram	Industry Nominee
10	Regional Officer, SCRO, AICTE, Hyderabad	Ex-Officio Member
11	Principal, Govt. Model Residential Polytechnic, Rajamahendravaram	State Government Nominee & Ex-Officio Member
12	Dr K. Ramu, Professor of ECE, JNTUK, Kakinada	University Nominee
13	Dr A. Ramesh, Professor of EEE & Principal, ACOE	Member Secretary

Principal

Principal is responsible for overall administration and academic function of the institution in keeping with policies of the management as well as mandatory regulations of the related authorities. The Principal has the executive powers to administrate the academic, non-academic and other functions based on the guidelines prescribed. The Principal of an Institution should always be honest, fair, objective, supportive, and protective and law abiding. Besides, the following traits are expected from the Principal.

- Chalk out a policy and plan to execute the vision and mission.
- Promote industry-institution interaction and inculcate research and development activities.
- Ensure that the staff and students are aware of rules, policies and procedures lay down by the college and enforce them.
- Recommend and forward communication to the authorities.
- Monitor, manage and educate the administration of the institution and take remedial measures / actions based on the stakeholder's feedback.
- Execute any other qualitative and quantitative work for the welfare of the institution.
- Empower the staff and the students to reach their maximum potential.
- Exhibit outstanding strong leadership skills with the high integrity.

Dean (Academics & Administration)

- The Dean (Administration & Academics) has a key role to play in all academic matters to tone up the academic performance of all the departments and the overall quality and standards of the students and enriching the skills of the staff members.
- Assist the Principal in all matters of academic activities.
- Prepare all reports / documents / write-ups that the institution has to prepare for a specific purpose or help the Principal in all such matters.
- Responsible in making periodic assessment of Teaching faculty & Staff particularly the new entrants and submit a report with suggestions / remarks to the Principal.
- Accountable for the academics & the administration of all the departments.
- Evolves new strategies and action plans, involving the HOD concerned, for the development and the quality improvement of the department.
- Responsible for computing the manpower requirements as per work load norms of the department along with the HOD and recommend the staff requirement to the Principal on an ongoing basis.
- Expected to interact with students periodically, review the student performance in the internal and end semester examinations, regularity in attendance, and monitor general discipline of the students inside the campus and take appropriate corrective or disciplinary action in consultation with HODs.
- Monitor the functioning of each department under his control, and act as a strong interface between the Principal and the Head of the department in implementing policies and programs formulated from time to time for improving the quality effectiveness of teaching – learning process.
- Any other responsibility given by the authorities from time to time.

Head of the Department (HoD)

- HoD is responsible for the smooth functioning of all the department level activities and responsible for preparing curriculum and strategic plan pertaining to the department.
- He shall adhere to the Policies and Procedures governed by the Academic committee and ensures quality practices in their departments. Monitors the academic schedule/attendance/syllabus completion/Internal examinations.

- Monitors the requirements in laboratories and prepares budget proposals for purchase. He conducts regular faculty meetings and submits the minutes of the meeting to the Principal.

Various Committees/Cells/Clubs

For administrative convenience a number of committees/Cells/Clubs have been constituted to look into various aspects of the college administration, development and student & staff affairs. The list of such committees are presented here and their corresponding meeting

minutes and resolutions are published in college Website at http://acoe.edu.in/?p=IQAC#tab10 (http://acoe.edu.in/?p=IQAC#tab10).

Sl. No.	Name of the Committee		Sl. No.	Name of the Committee
1	ACADEMIC AND ADMINISTRATIVE AUDIT COMMITTEE		18	GRIEVANCE REDRESSAL CELL
2	ACADEMIC COMMITTEE		19	HEALTH CLUB
3	ADMISSIONS COMMITTEE		20	HOSTEL COMMITTEE
4	ALUMNI COMMITTEE		21	IIPC
5	ANTI-RAGGING COMMITTEE		22	LIBRARY COMMITTEE
6	BUILDING & WORKS COMMITTEE		23	MAGAZINE COMMITTEE
7	CANTEEN COMMITTEE		24	NSS COMMITTEE
8	CAREER GUIDANCE CELL		25	PLACEMENT & TRAINING COMMITTEE
9	CENTRAL PURCHASE COMMITTEE		26	PEVENTION OF SEXUAL HARASSMENT CELL / INTERNAL COMPLAINTS COMMITTEE
10	COUNSELLING COMMITTEE		27	R&D, CONSULTANCY COMMITTEE
11	CULTURAL COMMITTEE		28	RTI COMMITTEE
12	CURRICULUM COMMITTEE		29	SPORTS & GAMES COMMITTEE
13	DISCIPLINARY COMMITTEE		30	STUDENT ACTIVITY CENTER (SAC) STUDENT ACTIVITY COUNCIL(SAC)
14	ECO CLUB		31	STUDENTS COUNCIL
15	ENTREPRENEURSHIP DEVELOPMENT CELL		32	TRANSPORT COMMITTEE
16	ETHICS COMMITTEE		33	WEBSITE COMMITTEE
17	EXAMINATIONS AND MALPRACTICES COMMITTEE		34	WOMEN GRIEVANCES & EQUAL OPPORTUNITY CELL

Functions of various committees

Internal Quality Assurance Cell

- Keeping the vision of the institution in view the cell advises on the following issues.
- Internal Quality Assurance Cell (IQAC) aims at continuous enhancement of quality in teaching-learning process.
- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution.
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes.
- Optimization and integration of modern methods of teaching, learning and evaluation.
- Introduction of Add-on Courses.
- Welfare schemes for staff and students.
- Research and consultancy.
- Promotion of culture and Heritage.
- Organizing seminars, conferences and workshops at different levels.
- Extension and up gradation of Classrooms and Laboratories.

Curriculum Committee

- Curriculum planning involves effective delivery by providing competence, values, good citizenry skills besides making students develop holistically and capable of leading happy and purposeful life to cater the national goals in tune with Vision and Mission of the college.
- Curriculum committee along with Principal and Heads of the Departments (HOD) conducts meetings with to develop strategies for implementation of the curriculum. Each department head conducts departmental meeting before the class work commencement and prepares the academic calendar as per the schedule given by the university along with other activities like conduction of Seminars, Industrial visits, Guest lectures and Workshops. HOD will conduct meeting and allocate the subjects based on various parameters like experience, area of specialization and previous result analysis of the subject. Faculty prepares course files which consist of different parameters. Academic Audit committee will audit the course files.

Curriculum delivery:

- College implements the lecture delivery by chalk and talk, power point presentations, video lectures/ NPTEL, animated videos, case studies, quiz, study tours, industrial visits.
- College conducts Induction program and bridge courses for 1st year students to help them to understand fundamental concepts in their respective program. Various training and certification programs, add–on courses etc. are conducted to 2nd, 3rd and 4th year students to make them industry ready. Faculty maintain the course register for both theory and lab classes which consists of syllabus, session planner, daily attendance, lecture diary, weekly self-appraisal, result analysis which ensures number of periods, topics covered, etc.
- The curriculum gaps bridged through delivery in the form of content beyond Syllabus and covered during regular classes, Guest Lectures and Workshops. Every fortnight syllabus completion status should be submitted by every faculty.

Academic committee

- Academic committee is centralized (Institute level) committee responsible for regulating and implementing different academic activities and it is headed by Convener along with all Heads of the Department and the representative from each department acts as Departmental Academic Coordinator is the member of Academic Committee.
- The followings are the duties of the academic committee in order to enhance the efficiency of learning and teaching process.
- To review advice on and develop policies on assessment for learning, teaching and learning quality.
- To review and formulate policies to enhance students‟ learning motivation.
- To review and advise elective subjects to be offered by the concern departments.
- To review and formulate policies to cater for student diversity.
- To monitor and following up students learning outcomes.
- To introduce and promote different teaching methods.
- To set up academic reward systems.

- To promote academic activities and creating an atmosphere of learning.
- To record students personal data and other learning experience records systematically to help students pursue further studies or develop their career.
- To help and support the teachers development through holding different professional development activities and orientations.
- Issuing the guidelines to the departments to organizing guest lectures by esteemed personalities from the industry and conducting workshops, organizing events for the improvement of the student's academics and knowledge.
- Encouraging and enhancing the teaching efficiency through the appraisal system.
- Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.
- To request the Governing body to encourage the best students with scholarships, fellowships, prizes and medals, and to frame regulations for the award of the same.
- Perform other functions as may be assigned by the Governing Body.

Admissions Committee

- The Admissions Committee is constituted to decide on the Admission related matters of the College.
- Functions and Responsibilities:
- Gathering Information about the process of Admission.
- Reviewing and developing admissions policy and practice.
- Notifying the seats available in various disciplines, Fee Structure, Commencement of admission and the last date.
- The admissions committee tracks the success of the admissions process each year by maintaining a database of pertinent information on the applicants.
- Provide guidance and counselling to parent and students who seek admission.

Examination and Malpractice Committee

- The main function of this Committee is to carry out examinations, publish results and award certificates (provided by the University) to the students who pass the final examinations.
- Functions and Responsibilities:
- To conduct Internal Assessment and External Assessment Examination related all work as per University notifications and ordinance.
- Set principles and guidelines for exam policy
- To notify the schedules of examination to the faculty and students well in advance to prepare themselves for the examinations.
- Preparation of smooth conduct of Examinations, preparation of time – table schedules, Invigilation duty chart, Seat allotment in the Examination halls etc.
- Assigning the duty to staff properly during examination as per duty chart
- To take decision on malpractice cases and award punishments as per the university regulations
- To facilitate the departments for smooth conduction of practical examination and submitting the attendance sheets and awarded marks sheets in closed envelops duly signed by the examiners to the university.

Career guidance cell

- To create awareness among the students about latest trends & needs of Government & Private Sector.
- To prepare the students to overcome challenges of the corporate world.
- To give training and guidance to students on career related matters and assist them in exploring new opportunities
- To activate resources for needy students to apply jobs
- To invite companies to interact with students

Industry Institute Partnership cell (IIPC)

- To develop of a strong technical workforce that would bridge the gap between industry requirements and academic orientation.
- To offer courses on the latest developments in engineering and technology to practitioners.
- To encourage industry and organizations for placement and training of students in industries.

- To conduct industrial training and industrial visit for the students and faculty.
- Motivate the young executives to become successful entrepreneur.

Training and Placement committee

- The Placement & Training Committee shall be primarily responsible for the activities related with campus placements. The responsibilities and functions shall include (but not limited to) the followings.
- To build confidence in students and develop right attitude in them
- Organize Various Training Programs to train the students in the areas of Quantitative Aptitude, Logical Reasoning and Verbal reasoning through the reputed external training organizations and in-house trainers.
- To plan and implement a mechanism for organizing various placement activities so as to provide placements to all the eligible candidates.
- To device and implement mechanism to liaison with good companies for recruitment of the students.
- To organize pool campus drive in campus or off campus.
- To work out and execute any other activity related with the placement of the students.

Library committee

The Library Committee provides a forum for open discussion of matters relating to the library and its services. The Committee will look into the matters relating to library such as procurement or adding up of titles, volumes, learning resources such as e-journals, e-learning material for the college for the academic year.

- To frame general rules for the management of the library.
- To prepare annual budget estimated of the library for submission to the academic Committee.
- To allocate funds, from the sanctioned annual budget of the library, to the Department and Centre of Studies for the purchase of books, journals, and periodicals.
- It invites the requirements from all the departments based on revisions in curriculum as well as students through a requirement register available in the Central Library and in the form of feedback.

Research & Development (R & D) committee

- Research and Development cell has been formed on the recognition of the fact that pioneering research and technological innovations will be critical drivers for the nation's sustained economic growth,
- It will facilitate the interchange of information, establishment of standards, new techniques and fresh approaches to old problems. The R&D Committee shall focus on providing an atmosphere conducive to research and development for faculty and students.
- To inculcate the concept of research among students & staff by arranging paper presentation competitions
- To organize Short Term Training Programs and workshops regarding Research.
- To support the faculty for writing quality research papers, patents and books
- To provide research atmosphere in the college.
- To arrange talks and interactions by eminent personalities from industry, R&D organizations, Institutions of repute; for the better understanding of research methodology and practices currently followed.
- To help the faculty in submitting the proposals to AICTE,DST/Non Govt. organizations

Entrepreneurship Development Cell (EDC)

- To promote entrepreneurship culture among the students by organizing entrepreneurship awareness programs
- Guide and assist potential entrepreneurs in the process of setting up, growing and managing the new venture
- To create awareness on entrepreneurship among the students.
- To device and implement a mechanism for creating awareness on Intellectual Property Rights (IPR) by motivating student and faculties, organizing workshops / seminars on the same.
- To device and implement a mechanism for patenting of the products or innovations and securing the prototypes/processes/products under intellectual property rights.
- To provide a platform for interaction with entrepreneurs.

- Motivate students to develop their own start-ups.

Counselling committee

- To resolve day to day academic problems of the student
- To monitor the students regularity & discipline
- To enable the parents to know about the performance & regularity of their wards.
- To monitor periodically progress of students in all aspects & ensure their well being
- Identify the students with problems avoid the distress situation
- To train the students in self-control of emotions
- Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc.

Disciplinary Committee

- Disciplinary Committee consists of Senior Faculty members, drawn from all the departments.
- In order to maintain serene, silent clear and studious environment in the college campus and to inculcate discipline in the students, the following Rules and Regulations are formulated: Ragging (inside & outside the college) is strictly prohibited as per Andhra Pradesh Government Act and any such act is liable for suspension, dismissal and penal punishment.
- Students should neither involve nor encourage in acts of boycott/strike/quarrels, etc.
- Students should strictly follow the college timings and adhere to the dress code prescribed by the college.
- Students should not possess Mobile phones in the premises of college campus. If found, will be ceased and penalized.
- Students should wear I.D. Card as long as they are in the college campus.
- During the interval and lunch time the students are expected to maintain strict discipline and silence while moving in the corridors.
- Students should cooperate to maintain cleanliness in the campus. Students are strongly advised to use dust bins.
- Students should maintain decency and decorum in the class room
- Students should not slink or mess up others items/cash/books/calculators etc., in the class room and college.
- Students are strictly instructed to follow the above listed Rules and Regulations. Any violation in the General Discipline is liable for punishment (such as Suspension from attending college/ Rustication etc.) as decided by the Principal based on the recommendations made by the Disciplinary Committee. There lies the responsibility of the students to safeguard the image and reputation of the college, in their own interests.
- **Dress Code:** The following "DRESS CODE" is to be observed in the college premises.
- The boy student should attend the college only with College Uniform„ Formal dress with shirt tuck-in and shoes". The girl student should attend the college with College Uniform "Chudidhar" and "Dupatta".
- The foreign national study in this college should follow Formal Dress Code.

Anti-Ragging Committee

Anti – Ragging committee is one of the key committee that will be involved in designing strategies and action plan for curbing the Menace of Ragging in the institute by adopting an array of activities.

- Displaying the charts and other material stating evil nature, punishment of Ragging and also student's discipline.
- Ensuring compliance with the provision of UGC regulation 2009 at the institute level
- Appoint Anti-Ragging Squads in the institution monitor and oversee the performance of Anti-Ragging Squads in prevention of ragging in the institution creation of cordial atmosphere.
- To take appropriate action in case an incident of ragging is reported by Anti-Ragging Squad of the institute in case of need, reporting to the nearest police station

Anti-Ragging Committee--- Action Procedure

Anti-Ragging Squad will immediately inquire and report any incidence of ragging or abetment of ragging noticed by them immediately to the head of the institute and also to the Anti-Ragging Committee and Immediate action as per the situation will be taken by the Institute Anti Ragging Committee which may include:

- Immediate suspension of involved students

- Sending reinforcements or any help if required.
- Forwarding the report of the incident to the Anti-Ragging Committee of the University.

The Anti-Ragging Committee will examine the report and recommend appropriate punishment to University Anti Ragging Committee for approval (Reporting of the matter to the Civil Police or District Administration or lodging of complaint/FIR will not be done without the approval of University Anti Ragging Committee). If any incident, even minor is reported, in addition to action taken with regard to that incidence the anti-Ragging measures will be reviewed and strengthened with immediate effect.

Grievance and Redressal Committee

The main objective of the Grievance Redressal Committee is to provide simple, smooth and readily accessible procedure for prompt disposal of the day to day genuine grievances of the student and faculty community to maintain a compatible atmosphere at institution level.

- The committee proactively gives an opportunity to everyone in ACE to be listened to so that any feeling of injustice is sorted out promptly.
- The function of the cell is to look into the complaints lodged by any student/faculty, and judge its merit. The Grievance cell is also empowered to look into matters of harassment.
- Anyone with a genuine grievance may approach the department members in person, or in consultation with the class in-charge.
- In case the person is unwilling to appear in self, grievances may be dropped in writing at the letterbox/ suggestion box which are placed at different locations in the institution
- The cases will be attended promptly on receipt of written grievances from the students/faculty. The Grievance Cell will act upon those cases which have been forwarded along with the necessary documents.
- Use positive, friendly ways to resolve the crisis than punitive steps, which disturb the system
- Reassure them that the authorities will be acting impartially and will try to resolve the matter as amicably as possible.
- The Grievance Cell will assure that the grievance has been properly solved in a stipulated time limit provided by the cell
- The cell formally will review all cases and will prepare statistical reports about the number of cases received. The cell will give report to the authority about the cases attended to and the number of pending cases, if any, which require direction and guidance from the higher authorities.

Prevention of sexual harassment cell

- To provide an environment free of gender-based discrimination
- To deal with cases of discrimination and sexual harassment in a time bound manner, aiming at ensuring support services to the victimized
- To facilitate a safe environment that is free of sexual harassment
- Receive and redress complaints received from any member of the College (including students, research scholars, staff, and hostel residents) alleging sexual harassment by another member(s) of the College.
- Conduct formal inquiry and investigate and take decisions upon each complaint and recommend appropriate punishment or action to be taken, by the appropriate authority, in each instance.
- Ensure that all information pertaining either to complaints registered and the proceedings and findings of any inquiries and/or investigations are kept strictly confidential.

Sports and Games Committee

- To recommend to principal to provide facilities for indoor and outdoor games
- To finalize annual calendar of internal and external sports activities
- Prepare budget for proposed activities
- Provide necessary training to the students in different sports activities
- Selection of teams to represent college in intercollegiate tournaments and intramural tournaments.

Student Activity Centre (SAC)

- Functions and Responsibilities:
- To complement the academic experience of the students with extra-curricular programs that promotes social and personal development.
- To advise and assist the student groups in planning various programs.
- To provide as a recreational activity for the students to relax during free time
- To ensure overall development of every student.

NSS Committee

- Motivate, recruit and select students for NSS activities
- To create awareness regarding social service among the students and other members of the college community.
- To organize orientation programs for NSS volunteers, explain them about the concept of social service, and teach them methods and skills required for achieving the objectives of the scheme
- To select service projects on the basis of utility and feasibility
- To ensure cooperation and coordination of community agencies, government departments and non-governmental agencies.

Cultural committee

- To plan and schedule cultural events for the academic year.
- To prepare budget for all cultural events and take necessary steps for its approval.
- To promote and arrange extracurricular activities to bring out the talents of students in performing arts.
- To obtain formal permission from the College authorities to arrange program.

Website Committee

- To administer data acquisition process, maintenance of the institutes website with regards to all activities related to domain & hosting.
- To administer regular updates to the site by securing necessary approval/authentication of the information from the concerned authority before hosting on to the website.
- To collect information & data reports from various academic department & internal bodies like library, NCC, NSS, Training & Placement, Sports, Women Empowerment Cell etc. at regular intervals for necessary and timely updates of the site.

Alumni committee

- To plan and implement a mechanism for alumni feedback and suggestions from as well as schedule and execute Alumni meet.
- Support a strong relationship between alumni association and current students
- To organize interactive sessions with alumni to current students
- Assist current students and alumni in career planning, placement and transitions.
- The committee also tracks and highlights the achievements and successes of alumni so as to provide impetus to the institute and its students.

Women grievances & equal opportunity cell

- To enquire the Complaints received from the female students or staff of the College.
- To deal with the issues of Gender based violence
- To conduct various gender sensitization programmers
- To pay Special Attention on ragging/exploitation related issues.

Central Purchase Committee

- To take indents from the departments/committees/ faculties etc against requirement.
- To supervise all the purchases made in the campus.
- To analyse quotations provided by the logistics department, and provide recommendation for approval by the person having delegated powers.
- To request technical input from relevant staff as required.
- To ensure proportionality, transparency, accountability and fairness in the procurement process
- To frame necessary guidelines to exercise its powers judiciously.

Magazine Committee

- To communicate periodically with the Editor of the College Magazine committee and discuss issues of policies and finances.

- To publish college magazine
- To maintain a record of all interactions with the publications members
- To select the best articles and publish in the magazine.
- To record the achievements of students and congratulates them for their hard work. It also publishes the information on the activities of the college.

Ethics committee

- Propose the Code of Ethics for the Institution.
- Organize ways to communicate the Code of Ethics to all staff and students and enhance its understanding.
- Report breaches of Code of Ethics or non-compliance of ethical practices amongst students, faculty and staff to the Principal.
- Formulate policies for corrective actions.
- Coordinate the periodic revision of the Code of Ethics and related implementation mechanisms.

Transport Committee

- To allot seats for students and faculty in concerned routes and display of list of faculty and students
- To take necessary steps for prevention of un-authorized boarders
- To recommend management for additional transport facilities
- To review the operation of vehicle in all routes
- To review the maintenance of transport vehicles

Hostel Committee

- At the beginning of the academic session the entire data regarding the number of students staying in boys and girls hostel to be obtained for the smooth functioning of the college.
- Conduct sudden visits to the messes and hostels at regular intervals to find out the living conditions, mess facilities etc.
- Conduct meeting with the inmates of both the hostels and have a detailed discussion regarding their accommodation, messing etc.
- In case of any serious drawback report the matter to the management.

ECO Club

- To empower students to participate and take up meaningful environmental activities and projects
- To maintain cleanliness in and around the college campus.
- To protect planet Earth by creating environment awareness
- To motivate students to work in an environment friendly manner which includes use of LPG, paper bag, Gas pipe line, save electricity.
- Sensitize the students to minimize the use of polluting products.
- Organize tree plantation programs, awareness programs and educate students about re-use of waste material & preparation of products out of waste.

Health club

- To provide students with knowledge, skills, capacities, values and the enthusiasm to mould a healthy lifestyle into adulthood.
- To organize Awareness drives in which students are sensitized towards cleanliness.
- Imparting information about various diseases prevailing in a particular duration of year and various preventive steps.
- To create awareness of physical fitness which an important component of wellness.

Building & works committee

- To devise and implement a mechanism for infrastructure development & maintenance of existing as well as new infrastructure especially the buildings for instructions, amenities and administration:
- To work out and execute any other activity related with the buildings & works of the institute. The ultimate objective shall be to provide state-of-art buildings and infrastructure for an ever-evolving academically ambient environment.
- Review and approve all contract documents prior to bidding and start of construction

SERVICE RULES, POLICIES AND PROCEDURES

Appointment of the human resource shall be approved by the governing body. The qualification and experience required for the post to fill various posts is stipulated by the Governing body based on the norms prescribed by the State Government / Affiliating University / UGC / AICTE. Selection may be done by direct recruitment or promotion of existing staff to fill various positions.

Teaching Staff	
Grade	**Designations**
T1	Principal
T2	Professor
T3	Associate Professor
T4	Assistant Professor

Technical Support Staff	
Grade	**Designations**
TS1	Electrical Engineer, Civil Engineer, System Administrator
TS2	Programmers, Lab assistants, Library assistant, Hardware Technician

Non-Teaching	
Grade	**Designations**
NT1	Administrative officer, Office Superintendent, Accounts officer
NT2	Senior Assistant, Junior Assistant, Cashier, Accountant
NT3	Drivers, Security guard, Maintenance staff
NT4	Attender, Gardener, Sweeper, Scavenger

RECRUITMENT POLICY

The recruitment policy is designed to ensure qualified candidates are hired for all the positions. Whenever the requirement of teaching/non-teaching staff arises, the same will be informed to the Principal which in turn will be forwarded to the management. After taking the approval of the management, Department level selection committee will be constituted with two internal experts and one/two experts drawn from university faculty. For direct requirement advertisement will be released in print & electronic media. The profiles received will be shortlisted and the candidates are informed to attend for a written test and/or interview on scheduled dates. Based on the recommendations of the selection committee, the selection

list will be sent to management for approval. Based on the approval by the management, required staff recruitment will be done by the Principal.

The staff recruited will be under probation period for a period of 1 year. In exceptional cases based on decision of the management the probation period may be waived off. During probation if the services of the staff member are not satisfactory he / she may be terminated. On successful completion of probation period, the staff member will be regularized based on the recommendations of the Head of the department and Principal.

Resignation/Termination/Relieving

- An employee may submit his resignation due to his personal reasons.
- An employee may be terminated from his service if the services of the employee are not satisfactory to the Management/Principal.
- There is no provision to relieve faculty members in the middle of an academic year.
- Employee who secure a job in Government sector or got admission to full-time Ph.D. program in reputed institutions like NIT / IIT / Government State Universities could be relieved without notice period on submission of proof. Women faculty who gets married and want to relocate to husband place will also be relieved.
- At the end of academic year during the month of April the employee may get relieved voluntarily without notice period by submitting the resignation.
- Technical and Non-Teaching staff who wants to get relieved should submit a letter with a notice period of three months.

DRESS CODE FOR THE EMPLOYEES: All the employees should follow the dress code based on designation.

For Faculty:

Male – Formal Dress with tuck-in & Shoe, clean shave with Tie and ID card

Female – Formal Saree with ID card

For Technical & Non-Teaching staff:

The Technical and Non-Teaching staff is assigned with different uniforms. They have to attend to the duties in uniform only. If uniform is not designated to them then they have to attend in formal dress.

WORKING HOURS (w.e.f. 30th October, 2019)

For Faculty and Technical Staff : 9.25 AM to 4.25PM

For Administrative Staff : 8.30 AM to 5.50 PM

Staff members should reach the college and put their thumb impression prior to and after the schedule timings. Staff members are allowed with three late/early permissions per month. After that, every late arrival or early departure will attract half-day loss of pay.

Benefits to Employees

Casual Leaves: An employee can avail one casual leave per month. If not availed in that month, it will be accumulated for the next month(s). An employee can avail a maximum of **12 casual leaves** per academic year.

On Duty: On Duty is granted to an employee when the University / Principal / Head of the Department / or any other competent authority assigns a duty that has to be carried out for the institute/ University. The faculty has to adjust/complete the class/lab work and then can go for on-duty without disturbing the class/lab work.

Deputation of faculty for Training Programs: The faculty will be supported with registration fee, TA, DA to attend different training programs like seminars/workshops/symposiums conducted by reputed institutions / Universities. The request by the faculty must be approved by Head of the Department & Principal. Additional on-Duty to attend conferences for presenting their research papers/attending workshops will be granted for a maximum of 3 days per semester.

School Fee Concession to employee's children: School Fee Concession up to 50% in tuition fee will be given for wards of the employees studying in Aditya Educational institutions (Schools & Junior colleges). The request letter from the employee duly approved by the principal has to be submitted to concerned institution where the ward is studying to avail the same.

Provident Fund: Provident Fund facility will be provided for Professors.

Group Insurance: Employees can avail Group Insurance based on the interest of the employee; a request letter has to be submitted to the Principal for including them in such facility.

Employees State Insurance (ESI): Staff members whose monthly salary is less than Rs. 21,000/- must opt for ESI and can avail the benefits under it.

Summer Vacation: Summer Vacation may be availed by the teaching staff with prior recommendation and approval from the Head of the Department /Principal. This vacation may be shared between the two semester breaks in exceptional cases. Any balance of unused accumulated vacation cannot be carried forward, under any circumstances. Prefix/Suffix weekend or holidays are considered part of the week. Period of Vacation is based on the continuous service of the employee as follows:

Period of Service	**Vacation Period**
Less than 1 year	1 Week
More than 1 year	2 Weeks
**Additional summer vacation for faculty pursuing Ph.D.	1 Week

To avail this they have to take prior recommendation from Head, R & D by submitting a letter countersigned by research supervisor/co-supervisor. Technical and Non-Teaching staff, who completed 6 months of service, can avail One Week summer vacation.

INCENTIVES

The staff members who are actively involved in motivating/mentoring the students to attend the university/state/national level competitions for project presentation will be rewarded with cash prize. The cash prize will be decided based on the level of competition and the prize won. Travelling and other allowance will be granted for the same to accompany the students based on employee cadre.

Other benefits: Incentives to Faculty for SWAYAM - NPTEL Web Courses

Category	Fee concession	Elite (Final Score 60+)	Elite Gold (Final Score 90+)	Topper (1%, 2% & 5%)
Faculty	50%	100% Fee concession	100% Fee concession + Rs. 1000/- Cash Prize	100% Fee concession + Rs. 1000/- Cash Prize

- Above incentives are applicable only for those who registered through SPOC only one among Elite Gold and Topper will be considered
- Subsidized lunch facility may be availed by all the employees.
- Hostel facility for unmarried staff and staff quarters for staff with family.
- Free transport facility may be availed by all the employees. Additional transport facility for those who work beyond college hours is also available.
- Unpaid maternity leave can be availed by the female employees. Re-joining to her position is purely based on the available vacancy position only.

Incentives for Publication of Research papers/book chapter/book/articles/patent: To promote research and its allied activities, the faculty is appraised with the following incentives:

International Journal with IF>8.1 or H-Index>226	Rs. 30,000/-
International Journal with 5.1<IF<8 or H-Index 151<HI<225	Rs. 25,000/-
International Journal with 2.1<IF<5 or H-Index 101<HI<150	Rs. 20,000/-
International Journal with 0.6<IF<2 or H-Index 51<HI<100	Rs. 15,000/-
International Journal with <0.5 or H-Index HI<50	Rs. 10,000/-
International Journal (Indexed by Scopus and ESCI)	Rs. 10,000/-
International Journal (Scopus Indexed /WOS indexed)	Rs. 7500/-
Scopus Indexed International Conference Registration (Max.) (Max. of 2 conferences per year per faculty)	Rs. 7500/-
Book chapters indexed in Scopus (Not through conference, only direct submission will be considered)	Rs. 7500/-
National Conference Registration Fee (Max.)	Rs. 4000/-
UGC Indexed Journal(Only for English and Mgmt Studies)	Rs. 2000/-

PUBLISHING TEXT BOOK	
International Edition by top 60 publishers in the world (List enclosed in Annexure – 1)	Rs. 20,000/-
Indian Edition Book should meet the criteria mentioned in guidelines	Rs. 10,000/-
Publishing book chapter in Non Scopus Editions	Pro rata basis
Publishing an article in a Magazine	Rs. 2,000/-
PATENTS	
Publication of Patent	Rs. 10,000/-
Grant of Patent	Rs. 10,000/-
Note: Filling charges will be paid by the management and incentives will be given only if the college is an applicant and if the disclosure goes through detailed search process by Novel Patents.	

EMPLOYEE's LEAVE, VACATION, PERMISSION, ON DUTY AND BIO-METRIC SYSTEM POLICY: This policy is w.e.f. from 26-01-2020.

FOR FACULTY AND ADMIN STAFF

LEAVE / VACATION

- Leaves should be treated as a privilege offered to the employee but not as a right.
- Every employee will eligible for 1 CL per month i.e. 12 CLs for the academic year.
- A newly joined employee who works for at least 7 physical working days in a particular month will only be eligible for one CL during that month.
- Leave calendar year starts from 26th May of every year and ends on 25th May of succeeding year or up to the reopening of the college.
- CLs will be calculated on pro-rata basis.
- CL should be prior sanction by the concerned sanctioning Authority.
- CL can be accumulated up to the end of leave calendar year i.e. up to 25th May or up to the reopening of the college of succeeding year. After the end of every leave calendar year any CL credit will be automatically lapsed.
- CL can be availed for half a day also (Forenoon-up to 1 PM and Afternoon from 1 PM) with the approval of respective sanctioning authority.
- If the employee works above 5 hours (continues) after office hours/holidays, he will be eligible for ½ day CCL. The same should be considered based on biometric system only.
- The CCL credit for the employees, if any, shall be utilized within the academic year of every year. Otherwise, it will be automatically lapsed.

SPECIAL LEAVES

- As a good will gesture, maximum of 6 working days special leave along with summer vacation in a year will be sanctioned with full pay to teaching staff who have registered and doing Ph.D. for attending the Ph.D. work, provided relevant documents from the University confirming the guide and a letter from the guide are submitted.
- If the college is declared holiday on account of any bandh, curfew, environmental calamity etc., a special leave will be granted to all employees with full emoluments. But in compensation to his/her absence, the employee has to attend the duties on some Non-Working day/Holiday as required and specified by the management.

SUMMER VACATION

(a) Teaching Staff:

- Satisfactory Service with one complete academic year 6 working days
- Satisfactory Service with two complete academic years 12 working days

(b) Admin and Technical staff:

- Satisfactory Service with one complete academic year 6 working days
- Summer vacation for the department staff of Admission Cell, Examination Section and Placement Department shall be eligible to utilize their summer vacation (at a stretch) before December of every year.
- The department heads shall plan the staff summer vacation without disturbing the regular office works. After December, any summer vacation credit for the above department staff will be lapsed.

BIOMETRIC SYSTEM

- Monthly attendance will be calculated strictly on the basis of biometric system only.
- Every employee should put his/her thumb daily 2 times i.e. before attending the duties and before leaving the duties.
- Teaching staff: Duty reporting time at 9-25 AM and leaving time 4-25 PM
- Admin staff : Duty Reporting time at 8-30 AM and leaving time 5-50 PM
- Employees who wish to avail ½ day leave should put his thumb during entering into the campus and leaving from the campus.
- In case employee applied ½ day (first half) leave, he/she put their in thumb before 1 PM
- In case employee applied ½ day (second half) leave, he/she put their out thumb after 1 PM
- Any employee works after 6 PM and before 8 AM he/she put their thumb at Security Gate before leaving/entering. Otherwise their duty timings will not be considered.

PERMISSIONS

- Staff permissions shall be allowed only for 2 per month (late coming/early going/in between permissions in the working hours).
- Third and Fourth late mark will be treated as ½ day CL each if CL credit available, otherwise ½ day LOP each will be applicable.
- Fifth Late onwards every late will be treated as ½ day LOP and will be viewed seriously.
- No permissions will be allowed for ½ day leaves.
- Each permission time is maximum 1 Hour.

ON DUTIES (ODs)

- On Duties (ODs) shall be authorized by both Dept. HOD and Principal concerned. OD register shall be maintained at college level.

- OD letter/s should be approved in advance or within one day from the date of OD by the concerned and the same should be entered in ECAP on the same day. Late approval of ODs strictly rejected and will be treated as LOP.
- Faculty members are permitted to utilize ODs restricted to 4 per semester and 8 per academic year for their professional development (attending seminars, conferences, workshops etc.).
- Anyhow, the faculty member can utilize more than 4 in odd semester subject to continue his services in the even semester.

GENERAL

- After expiry of any kind of sanctioned leave period, employee should report back immediately on the next working day to the authorities of the college concerned.
- Leave should not be recommended and sanctioned without ensuring the alternative arrangements.
- During the Resignation/Termination notice period, employee is not eligible for availing accumulated CLs if any, except one CL of that particular month in order to complete the pending work and facilitate handing over by the reliving date.
- In case, employee avails more leaves during that month they are required to extend their notice period till completion of pending work and handing over process. During this extended period they will not get any remuneration.
- Employee should attend the inspections and in any emergency cases during any kind of leave/vacation period. In that case, no compensation and TA will be granted.
- Late mark should be highlighted with red ink for admin staff (only horizontal line) in the manual attendance register sharp at 8-31 AM by the Administrative Officer of the college.
- Monthly attendance statement shall be checked by Mr. Papayya, AO before forwarding to the Accounts Department.
- Monthly attendance statements shall be submitted on or before 28th of every month to the accounts Department.

FOR CONSTRUCTION, ELECTRICAL, PLUMBING, GARDENING & HOSTEL

- **Construction Dept.:** 2CLs per month & 30 days working in a month. CLs will be carried forward or en-cashed with 1:2 ratio (maximum 2 CLs will be enchased per month).
- **Electrical & Plumbing Dept.**: 2 CLs per month and 30 days working in a month. CLs will be carry forwarded or can be en-cashed with 1: 1 ratio (maximum 2 CLs will be enchased per month).
- **Electrical In-charge:** 4 CLs per month, 30 working days, No CL encasement facility and CLs will be carry forwarded. Electrical Supervisor : 2 CLs per month, 30 working days, No CL encashment facility and CLs will be carry forwarded

- **Gardening Dept.** (Gardeners, watchmen, tractor drivers)
- 2 CLs per month and 30 days working in a month. CLs will not be carry forwarded and No Encashment facility. But, CLs will be carried forward to the Tractor Drivers.
- **Hostel Wardens:** 2 CLs per month and 30 days working in a month. CLs will be carried forward.
- **Hostel Ayas & Hostel Watchmen**: One CL per month, 30 working days. CL will not be carried forward.

- Management from time to time can issue amendments and clarifications to the prevailing leave rules.
- They will be chronologically numbered and part of this policy.
- Management reserves the right to suspend/dissolve/review/modify/change part or whole of these leave rules.

It is advised to the employees to be aware of guidelines and conditions for availing leaves and try to accumulate the leaves for any future emergencies

10.1.3 Decentralization in working and grievance redressal mechanism (10)

Institute Marks : 10.00

Aditya college of Engineering believes the culture of participative management in all academic and non-academic activities. To ensure the participative management and decentralization of governance institute follows committee system for implementation of all its decisions. Various committees are set up with the faculty as coordinators and student representatives.

Governance Body	Grievance Redressal Cell
Internal Quality Assurance Cell (IQAC)	Prevention of Sexual Harassment Cell
Academic Administrative Audit Committee	Sports & Games Committee
Curriculum Committee	Student Activity Centre (Sac)
Academic Committee	NSS Committee
Admissions Committee	Canteen Committee
Examination and Malpractice Committee	Cultural Committee
Career Guidance Cell	Website Committee
Industry Institute partnership Cell (IIPC)	Alumni Committee
Placement & Training Committee	Women Grievances & Equal Opportunity Cell
Library Committee	Central Purchase Committee
R&D Committee	Magazine Committee
Entrepreneurship Development Cell (EDC)	Ethics Committee
Counselling Committee	Transport Committee
Disciplinary Committee	Hostel Committee
Anti-Ragging Committee	Eco Club
Health Club	Building & works committee

Meetings with the committee members will be organized once in a semester and all the members will discuss the points of agenda along with other points and finds a solution to the problem, if any. Proposed solution/ resolutions will be documented and submitted to the Principal for approval and necessary instructions will be issued to the person/authority concerned for initiation. Institute is having grievances redressal mechanisms such as women grievance and equal opportunity cell, Anti-Ragging committee, Prevention of Sexual Harassment Committee to resolve the problem, if any. The functions of these committees are given here:

Women Grievances and Equal Opportunity Cell

1. The cell has been initiated with the main objective of creating an effective organizational structure for improving the status of women in the institution.
2. The committee will maintain communication with and advise the institutions administration in planning and monitoring progress for women personnel and students.
3. The committee shall advise the administration about a broad range of issues and concerns that influence women's work lives and status in the institution.
4. The Cell will conduct Educational programs regarding gender equity, work life balance etc.
5. The cell will give counselling and provide support services to the female staff and students in the college.
6. The Cell will provide assistance for taking preventive steps in the matter of gender discrimination.
7. The Cell may form / review the guidelines / policy for redressal of the Grievance as required from time to time, which may be in accordance with those issued by Supreme Court and Government Agencies.
8. The Cell will deal with the complaints of any type of harassment or any other of the female students, teaching and non-teaching women staff of the college.
9. The Cell shall process all the individual complaints and take immediate Suitable action.
10. Female students and staff give their Grievance in the form of letter or oral to anyof committee member of the cell.
11. After knowing the grievance of the students or staff, the Committee discusses it with concerned HOD and principal to take appropriate solution.
12. Any member found to have harassed another member or guest will be subject to appropriate disciplinary procedure action, including warnings, suspension or termination from roles.
13. The cell will meet at least once every academic year .Other than that; emergency meeting shall be called on receipt of a complaint. The quorum for the meeting should be at least one third of the total members
14. The cell provide appropriate working conditions in respect of work, leisure, health and hygiene to further ensure that there is no hostile environment towards women at work places and that no women employee has reasonable grounds to believe that she is disadvantaged in connection with her employment.
15. The cell promotes educational programs for the workforce regarding gender equality and work-life balance.

Anti-Ragging Committee

To make our college as a Ragging free Institution a team of Anti-Ragging committee of Aditya College of Engineering is constituted with the following guidelines:

1. Allotting duties to the staff members in almost all vulnerable areas in the college (i.e canteen, parking places, play grounds etc) and ensure that staff members are present at any time at all the vulnerable locations to avoid ragging activities.
2. Taking precautionary method by means of continuous monitoring of CCTV Cameras and with the support of student volunteers at various locations like bus stops, play grounds and boarding points to avoid ragging activities.

3. The faculty members can take the help of the student member as and when required and can also involve them in different activities relating to Anti-Ragging Committee.
4. Keep reminding students about the severe actions which could be taken against them if they are found involved or indulged in ragging.
5. Informing students about the affidavit form of Anti-Ragging given by AICTE and encourage students to fill and submit it in time.
6. Wide canvassing about Anti-Ragging should be done by displaying Flex, Posters and Boards in college premises and surrounding areas where there is a chance for ragging.
7. To take all necessary measures for prevention of Ragging inside the Hostels, assigning separate staff members for both Boys hostel and Girls hostel.
8. To ensure compliance with the provision of UGC regulation 2009 at the institute level.
9. For each ragging incident, the member person is supposed to prepare and submit a complete report including their remarks about the incident for further action to the Head of Anti-Ragging Committee
10. To offer services of counselling and create awareness among the students.
11. Grievance and Redressal committee members are also made as a part of these Anti-Ragging Activities.
12. Active participation of the committees in regular intervals pursuing whether ragging is taking place by surprise visits

Prevention of Sexual Harassment Committee

1. To provide an environment free of gender-based discrimination
2. To deal with cases of discrimination and sexual harassment in a time bound manner, aiming at ensuring support services to the victimized
3. To facilitate a safe environment that is free of sexual harassment
4. Receive and redress complaints received from any member of the College (including students, research scholars, staff, and hostel residents) alleging sexual harassment by another member(s) of the College.
5. Conduct formal inquiry and investigate and take decisions upon each complaint and recommend appropriate punishment or action to be taken, by the appropriate authority, in each instance.
6. Ensure that all information pertaining either to complaints registered and the proceedings and findings of any inquiries and/or investigations are kept strictly confidential.

10.1.4 Delegation of financial powers (10) Institute Marks : 10.00

Budgets for running the departments are very essential. These are prepared by every department before the commencement of the academic year. In this regard, Heads of the Departments, with senior faculties give the requisition to the Principal with regard to stationery, lab requirements, etc, for which budget allocations are approved by the Principal in discussion with the Management. On the same lines, proposals are sent to the Principal for procuring new equipment for the labs, interactive technologies in the classrooms, conduction of workshops/ conferences/ seminars by the Heads of Departments for which fund allocations are made.

- Principal has powers for purchase/ spending for infrastructure development related to academic activity like addition of classrooms, laboratories, improving other facilities

like hostels, food courts etc. As a single signatory power he can spend up to **Rs.1Lakh** as per the resolutions made in the Governing Body.

- Heads of departments are given imprest money which can be used for all purchases related to consumables, other emergency purchases after obtaining from the Principal. As per the resolution made in the Governing Body the imprest amount is **Rs. 5000/-.**
- Relevant in-charges- Librarian, Physical Education Director, Hostel wardens etc. have powers for purchases of all items related to their departments in consultation with the purchase committee and approval from principal.
- Coordinators of various functional committees have powers of spending money from their respective department accounts for any co- curricular/ extracurricular activities after obtaining relevant permission from the Principal.

10.1.5 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks : 5.00

The institute hosted all the relevant information on its own website which is updated as and when required. The institute and programme specific information is made available to all aspirants through the web-site.

College Website URL	www.acoe.edu.in (http://www.acoe.edu.in/)
E-CAP software	http://info.aec.edu.in/acoe/main.aspx (http://info.aec.edu.in/acoe/main.aspx)

The college website and the E-CAP software ensure that all information's pertaining to students, staff in the ERP to ensure that all stake holders are adequately informed about the policies and procedures along with the developments taking place that could affect them. All the information pertaining to the admissions, faculty and supporting staff details, student attendance, internal marks, infrastructural facilities, details of programs, information related to ongoing student training programs, faculty development programs, symposiums etc., are made available in the college internet-based E-CAP software.

All Minutes of Meetings like Academic Council, Department Review Meetings (DRM) and other information are mailed to all HODs for further information to all the faculty members. The relevant details are available in the departmental files which are readily accessible to all faculties in the departmental file racks.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)

Total Marks 30.00

10.2.1 Adequacy of budget allocation (10) Institute Marks: 10.00

S.NO.	ASSESMENT YEAR	BUDGET ALLOCATED (Rs.)	ACTUAL EXPENDITURE (Rs.)	ADEQUATE/ NON ADEQUATE
1	2021-22	13,21,70,000	13,19,41,446	ADEQUATE
2	2020-21	11,54,00,000	11,37,24,654	ADEQUATE

3	2019-20	14,72,15,000	14,08,67,946	ADEQUATE

10.2.2 Utilization of allocated funds (15) Institute Marks : 15.00

ACOE utilized the budgets more than 95% for all the assessment years and the statistics are shown in the table. Utilization of funds is towards the development of infrastructure, establishment of laboratory equipment, renovation of laboratories, procuring the books for central library, establishment of digital library, subscription of E-Journals and E-Books etc.

S.NO.	ASSESMENT YEAR	BUDGET ALLOCATED (Rs.)	ACTUAL EXPENDITURE (Rs.)	PERCENTAGE OF UTILIZATION
1	2021-22	13,21,70,000	13,19,41,446	99.82
2	2020-21	11,54,00,000	11,37,24,654	98.54
3	2019-20	14,72,15,000	14,08,67,946	95.68

Summary of current financial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY : (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2021-22

Total Income 124668416				Actual expenditure(till…): 131941446			Total No. Of Students 2585
Fee	Govt.	Grants	Other sources(specify) Consultancy, Special fee etc.,	Recurring including salaries	Non Recurring	Special Projects / Anyother, specify	Expenditure per student
114290688	0	0	10377728	123735706	8205740	0	51041.18

Table 2 - CFYm1 2020-21

Total Income 112316928.34				Actual expenditure(till…): 113724653.6			Total No. Of Students 2179
Fee	Govt.	Grants	Other sources(specify) Consultancy, Special fee etc.,	Recurring including salaries	Non Recurring	Special Projects / Anyother, specify	Expenditure per student
103175591	0	0	9141337.34	105523185.6	8201468	0	52191.21

Table 3 - CFYm2 2019-20

Total Income 152168688				Actual expenditure(till…): 140867946.7			Total No. Of Students 2112
Fee	Govt.	Grants	Other sources(specify) Consultancy, Special fee etc.,	Recurring including salaries	Non Recurring	Special Projects / Anyother, specify	Expenditure per student
141167000	0	0	11001688	121367485.7	19500461	0	66698.84

Table 4 - CFYm3 2018-19

Total Income 144189006				Actual expenditure(till…): 180890622			Total No. Of Students 2294
Fee	Govt.	Grants	Other sources(specify) Consultancy, Special fee etc.,	Recurring including salaries	Non Recurring	Special Projects / Anyother, specify	Expenditure per student
134432606	0	0	9756400	108230219	72660403	0	78853.80

Summary of Budget allocation and Actual Expenditure incurred

Items	Budgeted in 2021-22	Actual Expenses in 2021-22 till	Budgeted in 2020-21	Actual Expenses in 2020-21 till	Budgeted in 2019-20	Actual Expenses in 2019-20 till	Budgeted in 2018-19	Actual Expenses in 2018-19 till
Infrastructure Built-Up	170000	150235	50000	45202	65000	62535	55000000	54391272
Library	3000000	2755214	1100000	633810	3700000	3676656	400000	358237
Laboratory equipment	2000000	930256	4500000	4144951	11800000	11622145	10000000	9692548
Laboratory consumables	650000	561235	300000	309934	600000	571334	500000	515106
Teaching and non-teaching staff salary	110000000	110809931	100000000	98795248	110000000	103981811	100000000	93442122
Maintenance and spares	8700000	8666978	6000000	6388034	13350000	13291430	15000000	14143019
R&D	2500000	2738963	2000000	1963760	2000000	1870039	1500000	1469444
Training and Travel	4000000	4109785	1000000	1062717	3500000	3592996	4000000	4001474
miscellaneous	700000	718781	100000	80000	1200000	1160000	1600000	1610000
Others, specify	450000	489951	300000	301200	1000000	1040000	1300000	1267400
Total	**132170000**	**131941452**	**115400000**	**113724654**	**147215000**	**140867946**	**189300000**	**180890622**

10.2.3 Availability of the audited statements on the institute's website (5)

Institute Marks : 5.00

Audited statements of the last 6 Assessment year are available at : http://acoe.edu.in/?p=IQAC#tab11
Assessment Year (2022-23) http://acoe.edu.in/audit_statements/AY2022-23.pdf
Assessment Year (2021-22) http://acoe.edu.in/audit_statements/AY2021-22.pdf
Assessment Year (2020-21) http://acoe.edu.in/audit_statements/AY2020-21.pdf
Assessment Year (2019-20) http://acoe.edu.in/audit_statements/AY2019-20.pdf
Assessment Year (2018-19) http://acoe.edu.in/audit_statements/AY2018-19.pdf
Assessment Year (2017-18) http://acoe.edu.in/audit_statements/AY2017-18.pdf

10.3 Program Specific Budget Allocation, Utilization (30)

Total Marks 30.00
Institute Marks :

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY: (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1::CFY 2021-22

18030000		Actual expenditure(till…):17603827		Total No.of Students 253
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
880000	17150000	728710	16875117	69580.34

Table 2::CFYm1 2020-21

15740000		Actual expenditure(till…):15373712		Total No.of Students 207
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
670000	15070000	667965	14705747	74269.14

Table 3::CFYm2 2019-20

18160000		Actual expenditure(till…):17558618		Total No.of Students 210
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
2010000	16150000	2004995	15553623	83612.4

Table 4::CFYm3 2018-19

14685000		Actual expenditure(till…):14524662		Total No.of Students 249
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
400000	14285000	397535	14127127	58331.98

Items	Budgeted in 2021-22	Actual Expenses in 2021-22 till	Budgeted in 2020-21	Actual Expenses in 2020-21 till	Budgeted in 2019-20	Actual Expenses in 2019-20 till	Budgeted in 2018-19	Actual Expenses in 2018-19 till
Laboratory equipment	300000	149960	150000	149521	1500000	1499545	100000	99585
Software	0	0	0	0	0	0	0	0
Laboratory consumable	100000	99525	20000	19562	100000	99345	85000	84600
Maintenance and spares	50000	49625	50000	49852	50000	49565	200000	199250
R&D	200000	199355	300000	299551	200000	198450	50000	49650
Training and Travel	300000	299545	150000	149856	250000	248300	200000	199150
Miscellaneous Expenses	40000	39880	35000	34526	30000	29200	25000	24300
Others Specify	17040000	16765937	15035000	14670844	16030000	15434213	14025000	13868127
TOTAL	18030000	17603827	15740000	15373712	18160000	17558618	14685000	14524662

10.3.1 Adequacy of budget allocation (10) Institute Marks : 10.00

The department of Electrical and Electronics Engineering found that the funds allocated were adequate in providing the entire necessary infrastructure along with the laboratory equipment to maintain the quality of teaching-learning process.

S.NO.	ASSESSMENT YEAR	BUDGET ALLOCATED (Rs.)	ACTUAL EXPENDITURE (Rs.)	ADEQUATE/ NON ADEQUATE
1	2021-22	18030000	17603827	Adequate
2	2020-21	15740000	15373712	Adequate
3	2019-20	18160000	17558618	Adequate
4	2018-19	14685000	14524662	Adequate

10.3.2 Utilization of allocated funds (20) Institute Marks : 20.00

The department of Electrical and Electronics Engineering utilized the allocated funds in development of laboratories, replacement of systems with updated configuration, subscription of E-Journals etc.

S.NO.	ASSESSMENT YEAR	BUDGET ALLOCATED (Rs.)	ACTUAL EXPENDITURE (Rs.)	PERCENTAGE OF UTILIZATION
1	2021-22	18030000	17603827	97.63
2	2020-21	15740000	15373712	97.67
3	2019-20	18160000	17558618	96.68
4	2018-19	14685000	14524662	98.90

10.4 Library and Internet (20)

The central library as well as the department of Mechanical Engineering has necessary learning resources include e-resource and the details are furnished. College is maintaining accessible collection of all resources as a repository. Central Library open from 8.30 AM to 8.30 PM with full internet access and from 9 AM to 4 PM on all Sundays and other holidays. Students can borrow books/CD ROMS, use of internet and other resources, reference books using their library cards and 6 cards will be issued to each student. Additional 2 cards are provided for those who perform well in academics. Physical space of library facility, details of learning resources in library along with list of journals, expenditure are provided.

Circulation	Reference area
	
Periodical Section	**Issue Section**
	
e-Resources	**Issue Section**
	

Carpet area of library (m^2)	902
Reading space (m^2)	500
Number of seats	300
Number of users (issue) per day	250
Number of users per day	300
Total Number of library staff	5
Number of qualified staff	4

Available learning resources	
Number of titles	4,190
Number of volumes	31,208
CDs	2,175
Availability of Digital Library services	Yes
Availability of Digital Library Contents	Yes
E-Journals	60
International/National journals	270

Institutional Membership	DELNET, JGatex, Magzter, INFLIBNET, National Digital Library
Students can access eBooks/journals using internet in the Library	Yes

Expenditure on Library books, Magazines / Journals and others

Year	Expenditure						
	Books	N-List	Magazines/journals				E-Journals
			DELNET	Journals and Magazines	AMC S/W	E-Books	
2021-22	52,681	5,900	13,570	1,24,612	15,525	16,93,607	8,44,395
2020-21	8,101	5,,900	13,570	20,661	15,525	4,74,681	90,333
2019-20	82,677	5,900	13,570	95,410	15,025	33,55,623	98,002
2018-19	2,35,160	5,900	13,570	80,035	14,927		
2017-18	1,75,626	5,750	11,500	21,077	14,927	-	

Support to students for self –learning activities

Students can make use of all resources in the library like books, journals (hard copy and e-journals), CDs, NPTEL materials, intranet etc. Similarly they can make use of the language lab in the department of English in order to improve their language proficiency and communication skills. All departments can upload resources applicable for their academic programs into the Content Management System available as an intranet service. The day scholars and hostel students can make use of the learning resources like lesson plan, course plan, lecture notes, PPTs, video files, assignment questions, practice problems, solutions, e-books, instructional guides, etc. The resources can be either be downloaded or can be written on CD through wired or Wi-Fi network.

The Digital Library, Video Conference Room, Reading Rooms are available and students can refer any kind of material to carry out their minor/major projects or Engineering Exploration projects. College has subscribed the E-resources of N-List and all the students and staff can login through https://nlist.inflibnet.ac.in/ (https://nlist.inflibnet.ac.in/) and avail the facility. As some of these e-resources are accessible within campus network only, to make them accessible over Internet the accessibility is extended using Knimbus

(https://acoe.knimbus.com/user#/home). All the faculty and student can access all the digital resources through this portal using their login credentials.

E-Journals (Full text) -792 titles
American Institute of Physics (http://iam.atypon.com/action/ssostart?idp=https%3A%2F%2Fnlistidp.inflibnet.ac.in%2Fidp%2Fshibboleth&redirectUri=%2F&targetSP=https%3A%2F%2Faip.scitation.org) **[18 titles]**
Annual Reviews (http://iam.atypon.com/action/ssostart?idp=https%3A%2F%2Fnlistidp.inflibnet.ac.in%2Fidp%2Fshibboleth&redirectUri=%2F&targetSP=https%3A%2F%2Fwww.annualreviews.org) **[33 titles]**
Indian Journals (http://iproxy.inflibnet.ac.in:2048/login?auth=shibboleth&url=http://www.indianjournals.com/) **[180+ titles]**
Institute of Physics (https://myiopscience.iop.org/signin?origin=deeplink&entity=https://nlistidp.inflibnet.ac.in/idp/shibboleth&target=https://iopscience.iop.org/) **[46 titles]**
Oxford University Press (https://shibboleth2sp.sams2.oup.com/Shibboleth.sso/Login?entityID=https://nlistidp.inflibnet.ac.in/idp/shibboleth&target=https://shibboleth2sp.sams2.oup.com/shib?dest=https://academic.oup.com/SHIBBOLETH?dest=/journals) **[262 titles]**
Royal Society of Chemistry (https://www.rsc.org/rsc-id/account/checkfederatedaccess?instituteurl=https%3A%2F%2Fnlistidp.inflibnet.ac.in%2Fidp%2Fshibboleth&returnurl=https%3A%2F%2Fpubs.rsc.org) **[29 titles]**
Cambridge University Press (https://shibboleth.cambridge.org/Shibboleth.sso/discovery?entityID=https://nlistidp.inflibnet.ac.in/idp/shibboleth&target=https://shibboleth.cambridge.org/CJOShibb2/index?app=https://www.cambridge.org/core/shibboleth?ref=core) **[224 titles]**

E-Books
Cambridge Books Online (https://shibboleth.cambridge.org/Shibboleth.sso/discovery?entityID=https://nlistidp.inflibnet.ac.in/idp/shibboleth&target=https://shibboleth.cambridge.org/CJOShibb2/index?app=https://www.cambridge.org/core/shibboleth?ref=core) **[1800 titles]**
E-Lbrary (http://iproxy.inflibnet.ac.in:2048/login?url=https://ebookcentral.proquest.com/lib/inflibnet-ebooks) **[185000+ titles]**
EBSCoHost-Net Library (http://iproxy.inflibnet.ac.in:2048/login?auth=shibboleth&url=http://search.ebscohost.com) **[936 titles]**
Hindustan Book Agency (http://iproxy.inflibnet.ac.in:2048/login?auth=shibboleth&url=https://portal.igpublish.com/iglibrary/) **[65+ titles]**
Institute of South East Asian Studies(ISEAS) Books (http://iproxy.inflibnet.ac.in:2048/login?auth=shibboleth&url=https://portal.igpublish.com/iglibrary/) **[382+ titles]**

E-Books
Oxford Scholarship (http://iproxy.inflibnet.ac.in:2048/login?auth=shibboleth&url=https://oxford.universitypresss cholarship.com/) **[1402+ titles]**
Springer eBooks (https://fsso.springer.com/federation/init?entityId=https%3A%2F%2Fnlistidp.inflibnet.ac.in %2Fidp%2Fshibboleth&returnUrl=https%3A%2F%2Flink.springer.com%2Fsearch%3Ffacet -end-year%3D2012%26facetcontent-type%3D%2522Book%2522%26date-facet- mode%3Dbetween%26facet-language%3D%2522En%2522%26facet-start-year%3D2005) **[2300 titles]**
Sage Publication eBooks (https://connect.openathens.net/sagepub.com/15b7e6a9-8721- 41fa-86fe- 4e2b8fa4c097/login?entity=https://nlistidp.inflibnet.ac.in/idp/shibboleth&target=http://sk.sag epub.com/books/) **[1000 titles]**
Taylor Francis eBooks (http://www.tandfebooks.com/action/ssostart?idp=https%3A%2F%2Fnlistidp.inflibnet.ac.in %2Fidp%2Fshibboleth&redirectUri=https%3A%2F%2Fwww.taylorfrancis.com%2Fsearch% 3FisFullAccessOnly%3Dtrue) **[1800 titles]**
Mylibrary-McGraw Hill (http://iproxy.inflibnet.ac.in:2048/login?url=https://ebookcentral.proquest.com/lib/inflibnet- ebooks) **[1124 titles]**

Access E-Journals (DELNET)	
Engineering & Technology (860)	
Automobile Engineering (15)	Chemical Engineering & Technology (46)
Computer Science (160)	Construction & Infrastructure (79)
Electrical and Nuclear Engineering (70)	Electronics & Communication Engineering(41)
General & Civil Engineering (115)	Hydraulic Engineering (44)
Industrial Engineering (46)	Manufacturing (25)
Materials (36)	Mechanical Engineering (40)
Military Sciences (23)	Mining and Metallurgy (20)
Technology (General) (65)	Transportation (35)
Engineering & Technology: only TOC (321)	Management (240)
Education (241)	
Autobiographies & Biographies (123)	
TOTAL= 1464	

S .No	Name of The Journal	Period	Publisher	No. of Issues
1	Advances In Computational Sciences & Technology	Jan-Dec 22	RIP	2
2	Aryabhatta Journal Of Mathematics & Information	Jan-Dec 22	DIVA	2
3	Bulletin Of Materials Science	Jan-Dec 22	IAS	6
4	CIGRE India Journal	Jan-Dec 22	DIVA	2
5	Computer Science	Jan-Dec 22	IUP	4
6	Cooling India	Jan-Dec 22	CHARY	12
7	CSIR News	Jan-Dec 22	NISCAIR	24
8	Current Science	Jan-Dec 22	IAS	24
9	Electrical And Electronic Engineering	Jan-Dec 22	IUP	4
10	Electrical India	Jan-Dec 22	CHARY	12
11	Electronics Today	Jan-Dec 22	ET	4
12	Embedded For You	Jan-Dec 22	EMBEDDED FOR YOU	6
13	Energy Future	Jan-Dec 22	TERI	4
14	English Studies	Jan-Dec 22	IUP	4
15	Gyanoday-The Journal Of Progressive Education	Jan-Dec 22	DIVA	2
16	IETE Journals Of Research	Jan-Dec 22	IETE	6
17	IETE Journal Of Education	Jan-Dec 22	IETE	6
18	IETE Technical Review	Jan-Dec 22	IETE	6
19	IN Cold Journal (A Half Yearly Technical Journal Of Indian Commerce)	Jan-Dec 22	DIVA	2
20	Indian Journal Of Technical Education	Jan-Dec 22	ISTE	4
21	Indian Journal Of Chemical Technology	Jan-Dec 22	NISCAIR	6
22	Indian Journal Of Engineering And Materials Science	Jan-Dec 22	NISCAIR	6
23	Indian Journal Of Industrial & Production Engg. .& Tech.	Jan-Dec 22	RIP	2
24	Industrial Safety Chronicle	Jan-Dec 22	NISCAIR	6
25	Innovation In It	Jan-Dec 22	DIVA	1
26	International Journal Of Engineering & Management Research	Jan-Dec 22	VANDANA	6
27	International Journal Of Physiology, Nutrition & Physical Education	Jan-Dec 22	AKNIK	2
28	International Journal Of Yoga	Jan-Dec 22	MEDKNOW	3

29	International Journal Of Yogic, Human Movement & Sports Science	Jan-Dec 22	AKNIK	2
30	Invent Impact Business Research & Reviews	Jan-Dec 22	INVENTI	4
31	InventiImpact Auto	Jan-Dec 22	INVENTI	4
32	InventiImpact Civil Engineering	Jan-Dec 22	INVENTI	4
33	InventiImpact Energy And Power	Jan-Dec 22	INVENTI	4
34	Inventi Impact Software Engineering	Jan-Dec 22	INVENTI	4
35	Inventi Impact Start-Up	Jan-Dec 22	INVENTI	4
36	Journal Of Astrophysics &Astronomy	Jan-Dec 22	IAS	4
37	Journal Of Chemical Science	Jan-Dec 22	IAS	12
38	Journal Of Earth System Science	Jan-Dec 22	IAS	8
9	Journal Of Scientific Temper	Jan-Dec 22	NISCAIR	4
40	Journal On Electrical Engineering	Jan-Dec 22	I-MANGER	4
41	Journal On Electronics Engineering	Jan-Dec 22	I-MANGER	4
42	Journal On English Language Teaching	Jan-Dec 22	I-MANGER	4
43	Journal On Mechanical Engineering	Jan-Dec 22	I-MANGER	4
44	Journals On Education Technology	Jan-Dec 22	I-MANGER	4
45	Kurukshetra (English)	Jan-Dec 22	STAND	12
46	Lighting India	Jan-Dec 22	CHARY	6
47	Mechanical Engineering	Jan-Dec 22	IUP	4
48	Power Engineer Journal	Jan-Dec 22	DIVA	2
49	Power Line	Jan-Dec 22	IIPL	12
50	Praman Journal Of Physics	Jan-Dec 22	IAS	12
51	Proceeding (Mathematical Science)	Jan-Dec 22	IAS	4
52	Sadhana Engineering Science	Jan-Dec 22	IAS	8
53	Science Report	Jan-Dec 22	NISCAIR	12
54	Soft Skills	Jan-Dec 22	IUP	4
55	Structural Engineering	Jan-Dec 22	IUP	4
56	Telecommunications	Jan-Dec 22	IUP	4
57	Terr Green	Jan-Dec 22	TERI	12
58	University News	Jan-Dec 22	AIU	52
59	Vidhigya:The Journal Of Legal Awareness	Jan-Dec 22	DIVA	2
60	Yojana (English)	Jan-Dec 22	MINISTRY OF I&B	12

10.4.2 Internet (10) **Institute Marks : 10.00**

Name of the Internet provider	BSNL (Leased Line)
Available band width	400 MBPS
WiFi availability	Campus/Hostels are Wi-Fi enabled
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	Yes Firewall : pfSense(OpenSource) Anti Virus : Windows Defender

Annexure I

(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

1. Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)

PSO 1: Apply the fundamental knowledge of mathematics, science, electrical and electronics engineering to analyse and solve the complex problems in electrical, electronics and allied interdisciplinary areas.

PSO 2: Design, develop and implement electrical and electronics and allied interdisciplinary projects to meet the demands of industry and to provide solutions to the current real time problems.

Declaration

(The head of the institution needs to make a declaration as per the format given)

I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.

It is submitted that information provided in this Self Assessment Report is factually correct.

I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, post visit and subsequent to grant of accreditation.

Date : Signature & Name

Place : Head of the Institution with Seal