

**SELF ASSESSMENT REPORT (SAR)
FOR ACCREDITATION OF UG ENGINEERING
PROGRAMME
(Electrical and Electronics Engineering)
(TIER-I) FIRST CYCLE ACCREDITATION**

**Submitted to
NATIONAL BOARD OF ACCREDITATION
New Delhi**



**VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Aziznagar Gate, C.B. Post, Himayathnagar, Hyderabad.
February 2022**

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PART A: Institutional Information

- | | | |
|---|---|---|
| 1 Name and Address of the Institution | : | Vidya Jyothi Institute of Technology,
Aziz nagar Gate, Himayat Nagar (V),
C.B.Post, Hyderabad |
| 2 Name and Address of the Affiliating University | : | Jawaharlal Nehru Technological University,
Hyderabad |
| 3 Year of establishment of the Institution | : | 1998 |
| 4 Type of the Institution | : | |
| University | | |
| Deemed University | | |
| Government Aided | | |
| Autonomous | | ✓ |
| Affiliated | | |
| 5 Ownership Status: | | |
| Central Government | | |
| State Government | | |
| Government Aided | | |
| Self – Financing | | ✓ |
| Trust | | |
| Society | | |
| Section 25 Company | | |
| Any Other (Please specify) | | |

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

Name of the Institution(s)	Year of Establishment	Programs of Study	Location
-	-	-	-

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
Electrical and Electronics Engineering	UG	1999	1999	40	Yes	120	Granted accreditation for 3 years	2018	2021	Yes	4
Sanctioned Intake for Last Five Years for the B.Tech											
Academic Year						Sanctioned Intake					
2020-2021						120					
2019-2020						120					
2018-2019						120					
2017-2018						120					
2016-2017						120					
2015-2016						120					
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
Electrical Power Systems	PG	2013	2013	24	No	24	Eligible but not applied	-	-	No	2
Power Electronics and Electrical Drives	PG	2012	2012	18	No	18	Not eligible for accreditation	-	-	No	2

8. Programs to be considered for Accreditation vide this application:

S.No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Electrical and Electronics Engineering
2	Under Graduate	Engineering & Technology	Computer Science Engineering

9. Total number of employees in the institution:

A. Regular Employees (Faculty and Staff):

Items	2020-2021		2019-2020		2018-2019	
	Min	Max	Min	Max	Min	Max
Faculty in Engineering (Male)	134	149	142	159	142	155
Faculty in Engineering (Female)	79	79	79	79	84	84
Faculty in Maths, Science & Humanities (Male)	29	40	36	43	30	33
Faculty in Maths, Science & Humanities (Female)	29	29	27	27	28	29
Non-teaching staff (Male)	112	113	120	120	117	119
Non-teaching staff (Female)	60	63	67	70	63	69

B. Contractual Staff Employees (Faculty and Staff): (Not covered in Table A):

Items	CAY		CAY _{m1}		CAY _{m2}	
	Min	Max	Min	Max	Min	Max
Faculty in Engineering (Male)	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0

10. Total number of Engineering Students:

Engineering & Technology – UG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering & Technology – PG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering & Technology - Polytechnic	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MBA	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MCA	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2

Engineering & Technology – UG Shift-1

Items	2020-21	2019-20	2018-19
Total no.of Boys	3210	2952	3011
Total no.of Girls	1073	1106	1110
Total	4283	4058	4121

Engineering & Technology – PG Shift-1

Items	2020-21	2019-20	2018-19
Total no.of Boys	83	61	57
Total no.of Girls	48	33	46
Total	131	94	103

Engineering & Technology – MBA Shift-1

Items	2020-21	2019-20	2018-19
Total no.of Boys	55	66	45
Total no.of Girls	57	43	61
Total	112	109	106

11. Vision of the Institution:

- To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values.
- To foster Scientific Temper in promoting the World class professional and technical expertise.

12. Mission of the Institution:

- To create state of art infrastructural facilities for optimization of knowledge acquisition
- To nurture the students holistically and make them competent to excel in the global scenario
- To promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems

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

Head of the Institution

Name : Dr. A. Padmaja

Designation : Principal

Mobile No : 9849554882

Email id : principalvjit@vjit.ac.in

NBA coordinator, if designated

Name : Dr C N Ravi

Designation : Professor

Mobile No : 9444425853

Email id : ravicn@vjit.ac.in

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	60	60.00
2	PROGRAM CURRICULUM AND TEACHING – LEARNING PROCESSES	120	120.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	120	120.00
4	STUDENTS PERFORMANCE	150	109.69
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	173.09
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	45.38
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
Total		1000	928.16

CRITERION 1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50
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1.1 State the Vision and Mission of the Department and Institute (5)

Vision of the Institute

- To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values.
- To foster Scientific Temper in promoting the World class professional and technical expertise.

Mission of the Institute

- To create state-of-the-art infrastructural facilities for optimization of knowledge acquisition.
- To nurture the students holistically and make them competent to excel in the global scenario.
- To promote R&D and Consultancy through strong Industry-Institute Interaction to address the societal problems

Vision of the department:

- To become a reputed department in the impartation of professional and technical expertise in the field of Electrical and Electronics Engineering.

Mission of the department:

M1: Imparting Quality Technical Education by provision of state-of-the-art learning facilities.

M2: Preparing the students to think innovatively and find effective solutions to address engineering and societal problems with a multi-disciplinary approach maintaining continuous industry interaction.

M3: Encouraging team work and preparing the students for lifelong learning with ethical responsibility for a successful professional career.

Consistency of Vision of the Institute with that of department

Components of Vision Statement of Institute	Components of Vision Statement of department
<ul style="list-style-type: none"> To development into reputed Institution in Engineering and Technology 	<ul style="list-style-type: none"> To become a reputed department in the field of electrical & electronics engineering
<ul style="list-style-type: none"> Dissemination of knowledge 	<ul style="list-style-type: none"> Impartation of professional and technical expertise

Consistency of Mission of the Institute with that of department

Components of Mission Statement of Institute	Components of Mission Statement of department
<ul style="list-style-type: none"> Create state-of-the-art infrastructural facilities. 	<ul style="list-style-type: none"> Providing the state -of-the art learning facilities.
<ul style="list-style-type: none"> Nurture the students holistically. 	<ul style="list-style-type: none"> Preparing the students for lifelong learning with ethical responsibility
<ul style="list-style-type: none"> Industry-Institute Interaction to address the societal problems. 	<ul style="list-style-type: none"> Preparing the students with a multi-disciplinary approach by maintaining continuous industry interaction.

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

PEO1: Equip graduates with a sound foundation in mathematics, science and engineering fundamentals, necessary to build a prospective career.

PEO2: Graduates will excel in giving solutions to real-time problems through technical expertise and operational skill set in the field of Electrical Engineering.

PEO3: Graduates will act with integrity in catering the need-based requirements blended with ethics and professionalism.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stake holders (15)

Vision, Mission and PEOs are disseminated at the following **prominent places**:

- College website <http://vjit.ac.in/eee/>
- HOD Chamber
- Staff Rooms
- Notice Boards of the Department
- Department Library
- Department Laboratories
- Department Premises
- Class Rooms
- Department News Letter
- Other Prominent Places

The Vision, Mission and PEO are disseminated through

- Discussion in Program Assessment Committee (PAC) Meetings
- Discussion in Department Advisory Board (DAB) meeting
- Discussion in HODs Meeting
- Students Awareness Programs
- Parents' meetings
- Alumni Survey Form
- Employers Survey form
- Through News Letters
- e Mail Correspondence by faculty

The Process of Dissemination

Apart from being published at various prominent places in the campus, the Vision and Mission of the Department and PEOs of the Program are also made known to the various stakeholders.

Table 1.1: Process of dissemination among the various stakeholders

Stakeholders	Process of Dissemination
Students	Orientation Program
Faculty	Department Faculty meetings
Parents	Parent –Teacher Meetings
Alumni	Alumni Interaction
Recruiters	Placement drives
Management	Management meeting with all HoDs
Professional Bodies	Interaction in Workshop / Seminar / Conference

The screenshot shows a web browser window with the URL `vjit.ac.in/eee`. The navigation bar includes links for Home, About Us, Academics, Research, Placements, Examinations, Campus Life, Blog, and Contact Us, along with a red 'Admissions' button. The main content area is titled 'Outcome Based Education' and features a sidebar with 'Departments 3' and a list of links for the Electrical & Electronics Engineering department: About, Team, OBE, Life@Dept, Resources, Placements, R&D, Roll of Honors, and Contact Us. The main content is divided into several sections:

- PEO's**:
 - PEO1:** Equip graduates with a sound foundation in mathematics, science and engineering fundamentals, necessary to build a prospective career.
 - PEO2:** Graduates will excel in giving solutions to real-time problems through technical expertise and operational skill set in the field of Electrical Engineering.
 - PEO3:** Graduates will act with integrity in catering the need-based requirements blended with ethics and professionalism.
- PO's**
- PSO's**
- CO's**
- Vision**: To become a reputed department in the impartation of professional and technical expertise in the field of Electrical and Electronics Engineering.
- Mission**:
 - Imparting Quality Technical Education by provision of state-of-the-art learning facilities.
 - Preparing the students to think innovatively and find effective solutions to address engineering and societal problems with a multi-disciplinary approach maintaining continuous industry interaction.
 - Encouraging team work and preparing the students for lifelong learning with ethical responsibility for a successful professional career.

Fig. 1.3 Dissemination in the college website

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (15)

The Department's vision and mission are found through a consultative process involving the stakeholders, faculty of the department and the Advisory Board members of the Institution.

The Process for defining the Vision and Mission of the Department:

1. Department vision and mission are derivative components of institute vision admission.
2. The internal and the external stakeholders are involved in framing or reframing the vision and mission of the department.
3. The internal stakeholders are
 - a. Faculty members
 - b. Students
4. The external stakeholders are
 - a. Alumni members
 - b. Parents
 - c. Employers
5. Discussions, brainstorming sessions will be made among the members to arrive envision and mission statements.
6. The accepted views are analysed and reviewed to check the consistency with the vision and mission of the institute.

The Departmental Advisory Board (DAB) prepares the Vision and Mission of the department in accordance with Institution Vision and Mission through the following steps:

Step 1: The Department Advisory Board is composed with internal and external stakeholders as members.

Step 2: The chairperson of the Department Advisory Board collects the feedbacks/inputs from stakeholders and discuss with the board members to define the department Vision and Mission

Step 3: After defining Vision and Mission of the department, the same is sent to Internal Quality Assurance Cell (IQAC) for review and approval.

Step 4: In case of any modifications, the IQAC will suggest the Department Advisory Board to improve and modify the department Vision and Mission or approve the same.

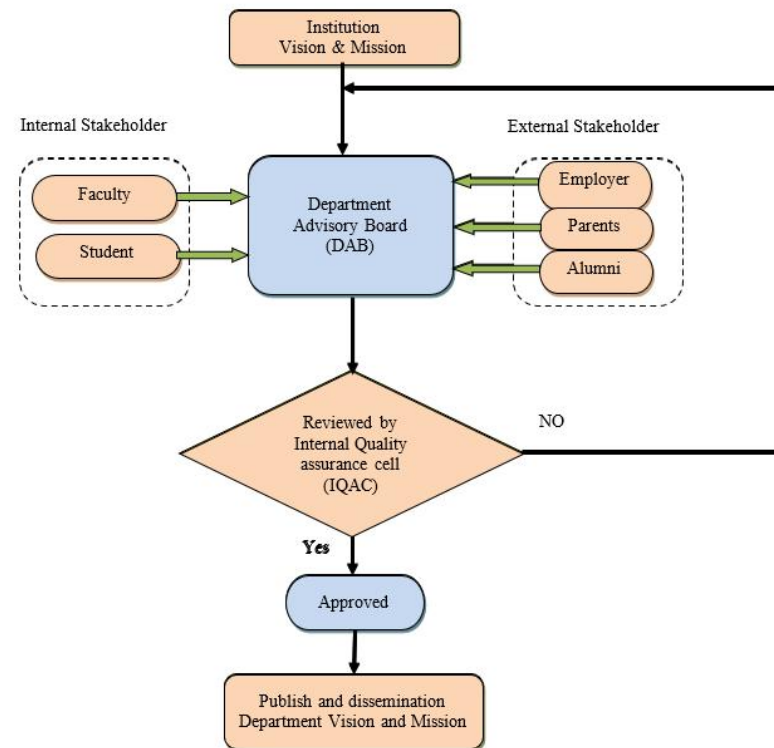


Fig.1.4 (a) Process of defining Vision & Mission of the Department

The Department established the Vision & Mission through a consultative process involving the stakeholders of the Department.

Process for defining the PEO of the Department

The Program Educational Objectives are established through a consultative process involving the core constituents such as students, alumni, industry, faculty and employers.

The PEOs are established through the following process steps:

1. Program Educational Objectives (PEO) is broad statements describing the career and professional accomplishments that the program is preparing the graduates to achieve (3 years or more after graduation).
2. Department PEO statements are a derivative component of institute vision, mission, graduate attributes defined by NBA and also department vision, mission.
3. The internal and the external stakeholders are involved in framing or reframing the PEO's of the department.
4. The internal stakeholders are
 - a. Faculty members
 - b. Students
5. The external stakeholders are
 - a. Alumni members
 - b. Parents
 - c. Industry members
6. Discussions, brainstorming sessions will be made among the members to arrive on PEO statements.
7. The views are collected from all the stakeholders and passed on to Internal Quality Assurance Cell (IQAC) for approval.

After getting suggestions from the stakeholders, the Department Advisory Board (DAB) develops the PEOs by considering the vision and mission of the department as reference.

Step 1: The DAB develops PEOs based on the inputs from all stakeholders and evaluates it by mapping the Course Outcomes (COs) with Program Outcomes (POs) & Program Specific Outcomes (PSOs) through the teaching & learning process.

Step 2: The Internal Quality Assurance Cell (IQAC) will review and approve PEOs.

Step 3: Finally, the approved PEOs are published and disseminated.

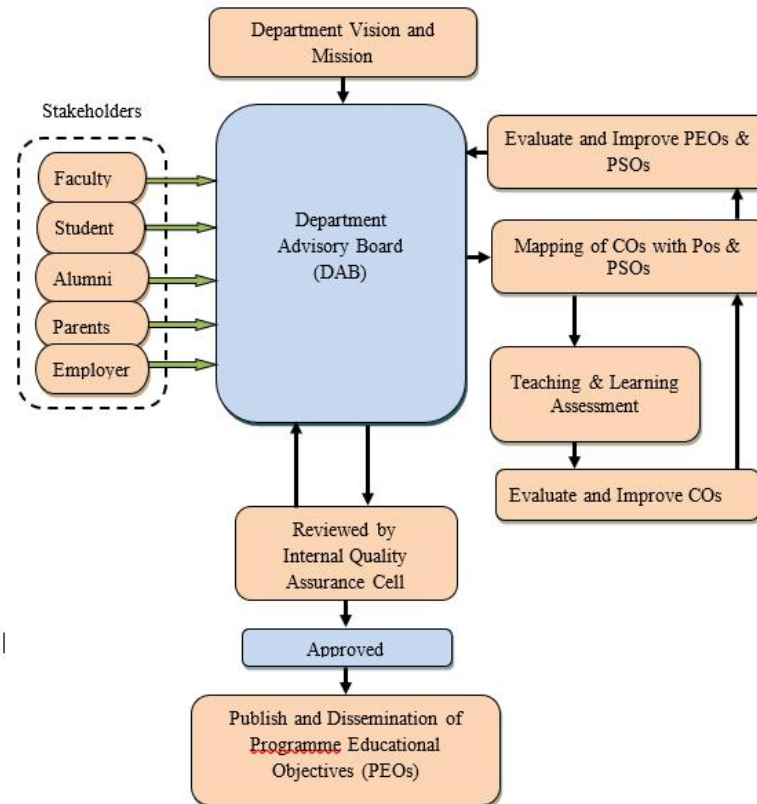


Fig.1.4 (b) Process of defining PEOs of the Department

The Department established the Programme Educational Objectives (PEOs) through a consultative process involving the stakeholders of the Department.

Program Assessment Committee (PAC) comprises the following members:

- Head of the Department - Chairperson
- Coordinator for PAC

- Senior faculty in the department associated with the program

Department Advisory Board (DAB) comprises of the following members:

- Head of the Department - Chairperson
- Industry Experts
- Parents
- Students from final year
- Alumni Students

The composition of the Internal Quality Assurance Cell (IQAC) is as follows:

- Chairperson: Head of the Institution
- Teachers to represent all level
- Management
- Senior administrative officers
- Local society, Students and Alumni
- Employers /Industrialists/Stakeholders

1.5 Establish consistency of PEOs with Mission of the Department (10)

MISSION OF THE DEPARTMENT:

M1: Imparting Quality Technical Education by provision of state-of-the-art learning facilities.

M2: Preparing the students to think innovatively and find effective solutions to address engineering and societal problems with a multi-disciplinary approach maintaining continuous industry interaction.

M3: Encouraging team work and preparing the students for lifelong learning with ethical responsibility for a successful professional career.

PEO Statements	M1	M2	M3
PEO1: Equip graduates with a sound foundation in mathematics, science and engineering fundamentals, necessary to build a prospective career.	3	3	3
PEO2: Graduates will excel in giving solutions to real-time problems through technical expertise and operational skill set in the field of Electrical Engineering.	3	3	3
PEO3: Graduates will act with integrity in catering the need-based requirements blended with ethics and professionalism.	3	3	3

Mapping	Justification
PEO1 With M1, M2, M3	Strong foundation of basics is essential for updating on the latest technologies for growth in career. Hence PEO1 strongly maps with M1. Imparting Quality Technical Education in relatedness with basic sciences by facilitating the application of technologies and customizing the comprehensive teaching-learning methodologies for prospective careers.
	M2 focuses on creating adaptable conditions where students can groom themselves with technical advancements as it is concerned with industry interaction for better job perspectives. Hence PEO1 strongly maps with M2.
	M3 focuses on inculcation lifelong learning allied with ethics an essential requirement for success in career. Hence PEO1 strongly maps with M3.
PEO2 With M1, M2, M3	M1 strongly maps with PEO2 as it focuses on inculcating basic skills through effective teaching learning environment which shall develop the required technical expertise to build knowledge on core concepts, essential for solving real time problems.
	M2 maps strongly with PEO2 with the operative technical skills that have been mastered by the students. The continuous industry institute interaction has triggered the redefining of the curriculum on par with technologies adopted in the industry. The core learning can be applied creatively to find solutions to real time problems in electrical field.
	M3 focuses on inculcating the team essentials and lifelong learning which are indispensable characteristics for professional and personal endeavors. Hence PEO2 strongly maps with M3.
PEO3 with M1, M2, M3	With an honest endeavor M1 focuses on preparing the graduates to meet the requirements of the society. A sound knowledge in the concepts of curriculum enables the graduates to address ethically and professionally the societal requirements. Hence PEO3 strongly maps with M1.
	The exposure given to students on the advancements in technology through industry interaction makes them capable of addressing the time-based needs of the society by applying innovatively multidisciplinary skills. So PEO3 strongly maps with M2.
	The students are trained to be accomplished and committed learners. They shall possess excellent professional skill set preparing them to be an integral part of any team as a leader/member who can act with integrity and contribute to the society. Hence PEO3 strongly maps with M3.

CRITERION 2	PROGRAM CURRICULUM AND TEACHING LEARNING PROCESSES	100
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2.1 PROGRAM CURRICULUM (30)

2.1.1 State the process for designing the program curriculum (10)

Program offered consists of Basic Sciences, Engineering Sciences, Humanities and Sciences, Professional Core, Professional Electives, Open Electives, Project Work, and Employability Enhancement Courses. The process is described in a flow chart as shown in Fig 2.1.1. The process flow for Curriculum Design is as follows:

- Based on Department mission and vision and the NBA guidelines the department formulates its PEOs and PSOs.
- The DAB along with all faculty members frames the outline of the curriculum based on norms of AICTE, UGC, JNTUH and referring to the curriculum of premier institutions like NITs and IITs.
- The course outcomes of all the courses of the curriculum are planned according to the POs and PSOs. Then, the syllabi of various courses are framed by course coordinators.
- The feedback of the curriculum is obtained from various stakeholders such as academicians, industrial experts, alumni, parents, faculty and students.
- The curriculum is presented in Program Assessment Committee (PAC), Department Advisory Board (DAB) and the necessary changes are incorporated.
- The Board of Studies (BoS) consists of experts from academic institutions, industry, and University. The consolidated curriculum and syllabi is discussed and corrections/suggestions from BOS members are incorporated and a final Program curriculum and syllabi is recommended to Academic Council for further deliberation.
- After the approval of the same from Board of Governors (BoG), the curriculum is finalized. The curriculum is implemented and the impact will be considered for further implementations.

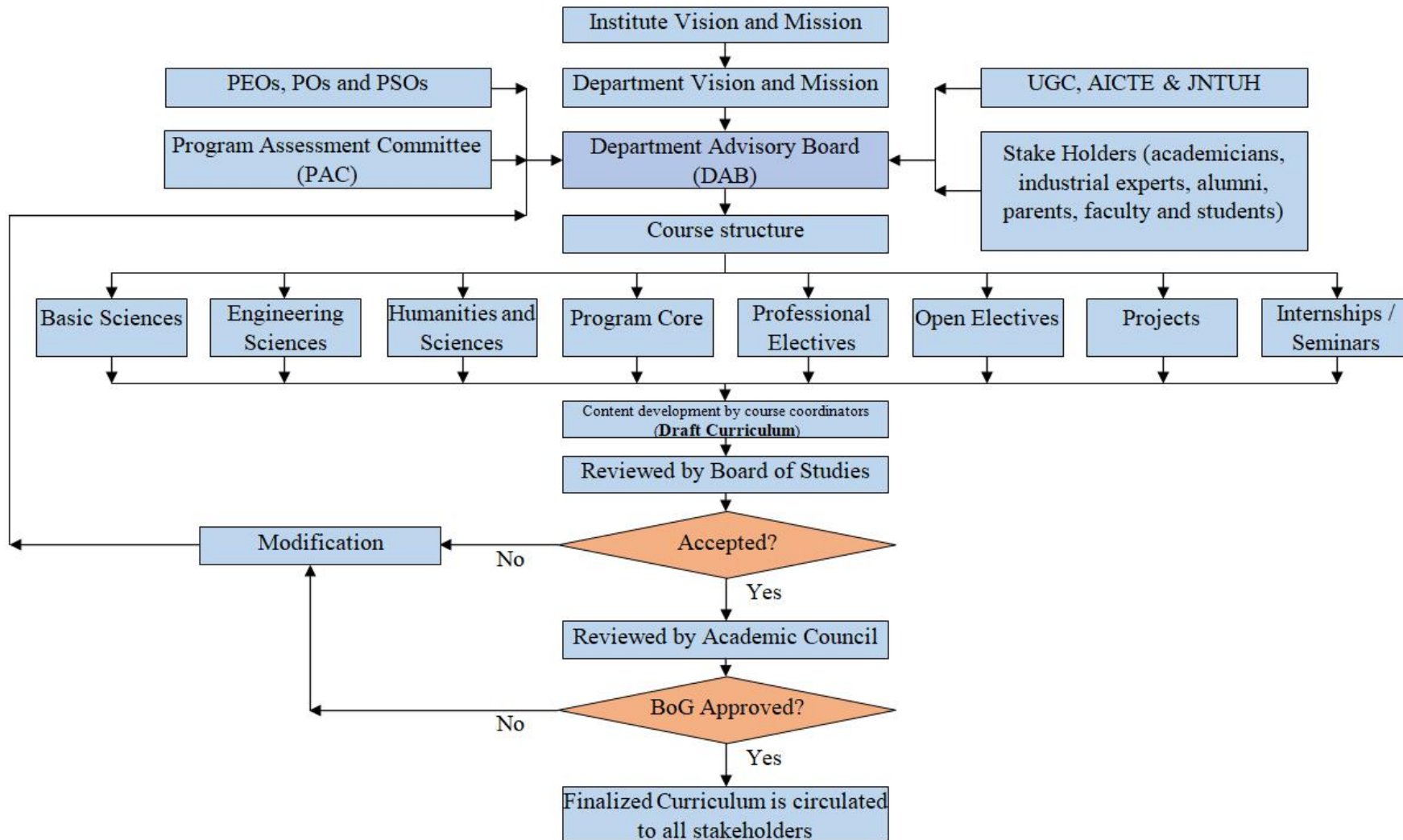


Fig 2.1.1 Process for designing the program curriculum

The key functional committees in implementing curriculum and reviewing of Course/Program outcomes assessment process:

1. Program Assessment Committee (PAC)
2. Department Advisory Board (DAB)

Program Assessment Committee

The Program Assessment Committee (PAC) is formed with program coordinator and course coordinators. This committee is headed by program coordinator.

The responsibilities of Course Coordinators are:

- Reviewing Course Curriculum
- Design Course Outcomes
- Design Course Delivery mechanism
- Finalizing the Course Assessment Tools
- Assessing the Course Outcomes by calculating the attainment

The responsibilities of Program Coordinator:

- Collect the Course Assessment Report
- Analyze the Course Outcomes attained
- Verify the Attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs)

The responsibilities of PAC:

- Review the attainment of Program Outcomes and Program Specific Outcomes
- Initiate the action for the improvement of POs/PSOs attainment
- Send the attainment report of POs and PSOs with recommendations to DAB

Frequency of Meeting: The PAC meeting is conducted twice a year.

Department Advisory Board (DAB)

DAB is headed by Head of the Department.

Departmental Advisory Board (DAB) comprises of the following members:

- Head of the Department - Chairperson
- Industry Experts
- Parents
- Students from final year
- Alumni Students

Responsibilities of DAB

- The committee reviews the assessment process, tools and result of evaluation of POs and PSOs.
- DAB resolves the issues related to Program Outcomes and Program Specific Outcomes attainment.
- The committee analyzes the attained levels for each PO/PSO and gives directions to improve the POs/PSOs attainment.

Frequency of Meeting: The DAB meeting is conducted once in a year

2.1.2. Structure of the Curriculum (5)

B.Tech. Electrical and Electronics Engineering Program is comprises of eight semesters. The curriculum comprises of Basic Science, Engineering Science, Humanities and Social Sciences, Professional Core, Professional Electives, Open Electives, Project Work / Internship and Employability Enhancement Courses. The detailed curriculum for the *regulation R15* is given in Table 2.1.2

Table 2.1.2 (a): Curriculum of Regulation R15

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
I Year I Semester						
A11001	English-I	2	0	0	2	2
A11002	Mathematics - I	4	1	0	5	3
A11003	Engineering Physics-I	3	1	0	4	3
A11502	C Programming – I	3	1	0	4	3
A11004	Engineering Chemistry	3	1	0	4	3
A11303	Engineering Graphics	2	0	3	5	3
A11081	English Language Communication Skills Lab-I	0	0	3	3	2
A11582	C Programming Lab – I	0	0	3	3	2
A11083	Engineering Physics and Chemistry Lab	0	0	3	3	2
A11084	IT & Engineering Workshop	0	0	3	3	2
I Year II Semester						
A12005	English-II	2	0	0	2	2
A12202	Electrical Circuits Theory	3	1	0	4	3
A12007	Engineering Physics-II	3	1	0	4	3
A12503	C Programming – II	3	1	0	4	3
A12006	Mathematics – II	4	1	0	5	3
A12009	Mathematics – III	3	1	0	4	3
A12085	English Language Communication Skills Lab-II	0	0	3	3	2
A12584	C Programming Lab –II	0	0	3	3	2
A12088	Engineering Physics Lab	0	0	3	3	2
II Year I Semester						
A13012	Mathematics-IV	3	1	0	4	3
A13401	Electronic Devices & Circuits	3	1	0	4	3
A13204	Network Theory	4	1	0	5	4
A13205	Electro Magnetic Fields	4	1	0	5	4
A13206	Electrical Machines –I	4	1	0	5	4

A13011	Environmental Science	2	1	0	3	2
A13281	Basic Simulation Tools Lab	0	0	3	3	2
A13282	Electrical Circuits Lab	0	0	3	3	2
A14MC4	Professional Ethics Human Values and Self Development	2	0	0	2	0
II Year II Semester						
A14407	Electronic Circuits	3	1	0	4	3
A14408	STLD	3	1	0	4	3
A14311	Fluid Mechanics and Hydraulic Machines	3	1	0	4	3
A14208	Electrical Machines-II	4	1	0	5	4
A14209	Power Systems-I	3	1	0	4	3
A14210	Control Systems	4	1	0	5	4
A14283	Electrical Machines Lab-I	0	0	3	3	2
A14484	Electronic Devices and Circuits lab	0	0	3	3	2
A14MC1	Disaster Management	2	0	0	2	0
III Year I Semester						
A15017	Managerial Economics and Financial Accounts	3	1	0	4	3
A15212	Power Electronics	3	1	0	4	3
A15213	Power Systems-II	3	1	0	4	3
A15214	Electrical Machines-III	3	1	0	4	3
A1521X	Open Elective-1	3	1	0	4	3
A1521X	Professional Electives-1	3	1	0	4	3
A15285	Electrical Machines Lab-II	0	0	2	2	2
A15286	Control Systems & Simulation Lab	0	0	2	2	2
A15TPI	Personality Development & Behavioural Skills	2	0	0	2	2
III Year II Semester						
A16421	IC Applications	3	1	0	4	3
A16221	Electrical Measurements & Measuring Instruments	3	1	0	4	3
A16222	Power Semiconductor Drives	3	1	0	4	3
A16223	Switchgear & Protection	3	1	0	4	3
A1622X	Open Elective-2	3	1	0	4	3

A1622X	Professional Electives-2	3	1	0	4	3
A16287	Power Electronics and Simulation Lab	0	0	2	2	2
A16090	Advanced Communication Skills Lab	0	0	2	2	2
A15TPII	Quantitative Methods & Logical Reasoning	2	0	0	2	2
IV Year I Semester						
A17441	Microprocessors and Interfacing Devices	3	1	0	4	3
A17230	Power Systems Operation & Control	3	1	0	4	3
A17231	Computer Methods in Power Systems	3	1	0	4	3
A1723X	Professional Electives -3	3	1	0	4	3
A1723X	Professional Electives -4	3	1	0	4	3
A1723X	Open Elective -3	3	1	0	4	3
A17288	Electrical Measurements Lab	0	0	3	3	2
A17493	Microprocessors and Interfacing Devices Lab	0	0	3	3	2
A172P1	Industry Oriented Mini Project	0	0	0	0	2
IV Year II Semester						
A18240	Utilization of Electrical Energy	3	1	0	4	3
A18241	Fundamentals of HVDC and FACTS Devices	3	1	0	4	3
A18244	EHVAC Transmission	3	1	0	4	3
A182TS	Seminar	0	0	0	0	2
A182CV	Comprehensive Viva-Voce	0	0	0	0	2
A182P2	Major Project	0	0	15	15	11

Table 2.1.2 (b): List of Professional Electives of Regulation R15

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
Professional Elective 1						
A15215	High Voltage Engineering	3	1	0	4	3
A15216	Advanced Control Systems	3	1	0	4	3
A15217	Linear Systems Analysis	3	1	0	4	3

Professional Elective 2						
A16224	Renewable Energy Sources	3	1	0	4	3
A16225	Reliability Engineering and Application to Power Systems	3	1	0	4	3
A16226	Digital Control Systems	3	1	0	4	3
Professional Elective 3 and 4						
A17232	Optimization Methods	3	1	0	4	3
A17233	Electrical Distribution Systems	3	1	0	4	3
A17234	Special Machines	3	1	0	4	3
A17235	Electric Vehicles and Hybrid Vehicles	3	1	0	4	3
A17236	Energy Storage Systems	3	1	0	4	3
A17237	Power System Planning	3	1	0	4	3

Table 2.1.2 (c): List of Open Electives of Regulation R15

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
Open Elective 1						
A15218	Non Conventional Energy Sources	3	1	0	4	3
A15219	Energy Management	3	1	0	4	3
Open Elective 2						
A16227	Energy Auditing & Conservation	3	1	0	4	3
A16228	Principles of Electric Power Utilization	3	1	0	4	3
Open Elective 3						
A17238	Electric Vehicles and Hybrid Vehicles	3	1	0	4	3
A17239	Energy Storage Systems	3	1	0	4	3

R18 COURSE STRUCTURE
Batches (2018-22, 2019-23)
ELECTRICAL AND ELECTRONICS ENGINEERING

Table 2.1.2 (a): Curriculum of Regulation R18

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
I Year I Semester						
A21001	English	2	0	0	2	2.0
A21002	Mathematics-I	3	1	0	4	4.0
A21004	Chemistry	3	1	0	4	4.0
A21501	Programming For Problem Solving-I	2	0	0	2	2.0
A21081	English Language Skills Lab (ELSL)	0	0	2	2	1.0
A21083	Chemistry Lab	0	0	3	3	1.5
A21381	Engineering Workshop	0	1	3	4	2.5
A21581	Programming For Problem Solving Lab-I	0	0	2	2	1.0
I Year II Semester						
A22006	Mathematics-II	3	1	0	4	4.0
A22007	Engineering Physics	3	1	0	4	4.0
A22302	Engineering Graphics & Modeling	1	0	3	4	2.5
A22202	Basic Electrical Engineering	3	0	0	3	3.0
A22502	Programming For Problem Solving-II	2	0	0	2	2.0
A22084	English communication Skills Lab (ECSL)	0	0	2	2	1.0
A22282	Basic Electrical Engineering Lab	0	0	2	2	1.0
A22085	Engineering Physics Lab	0	0	3	3	1.5
A22582	Programming For Problem Solving Lab-II	0	0	2	2	1.0
II Year I Semester						
A23011	Complex Analysis & Fourier Transforms	3	0	0	3	3.0
A23010	Professional Communication	2	0	0	2	2.0
A23203	Power Systems –I	3	0	0	3	3.0

A23204	Network Analysis	3	0	0	3	3.0
A23205	Electro Magnetic Fields	3	0	0	3	3.0
A23206	Electrical Machines –I	4	0	0	4	4.0
A23283	Basic Simulation Tools Lab	0	0	2	2	1.0
A23284	Electric Circuits Lab	0	0	2	2	1.0
A23MC1	Environmental Science	2	0	0	2	0.0
II Year II Semester						
A24014	Numerical Methods and Partial Differential Equations	3	0	0	3	3.0
A24109	Fluid Mechanics and Hydraulic Machines	3	0	0	3	3.0
A24406	Electronics Devices and Circuits	3	0	0	3	3.0
A24208	Electrical Machines –II	3	0	0	3	3.0
A24209	Power Systems – II	3	0	0	3	3.0
A24210	Control Systems	3	0	0	3	3.0
A24285	Electrical Machines – I Lab	0	0	2	2	1.0
A24484	Electronic Devices and Circuits Lab	0	0	2	2	1.0
A24MC1	Gender Sensitization	2	0	0	2	0.0
III Year I Semester						
A25016	Managerial Economics and Financial Analysis	3	0	0	3	3
A25412	Switching Theory and Logic Design	3	0	0	3	3
A25212	Electrical Machines-III	3	0	0	3	3
A25213	Power Electronics	3	0	0	3	3
A2521X	Open Elective-1	3	0	0	3	3
A2521X	Professional Electives-1	3	0	0	3	3
A25287	Electrical Machines-II Lab	0	0	2	2	1
A25087	Advanced Communication Skills Lab	0	0	2	2	1
A25TP1	Quantitative Methods & Logical Reasoning	2	0	0	2	1
III Year II Semester						
A26219	Electrical Measurements & Instrumentation	3	0	0	3	3
A26220	Computer Methods in Power Systems	3	0	0	3	3
A26221	Power Semiconductor Drives	3	0	0	3	3
A26222	Switch Gear and Protection	3	0	0	3	3

A2622X	Open Elective-2	3	0	0	3	3
A2622X	Professional Electives-2	3	0	0	3	3
A26288	Control Systems and Simulation Lab	0	0	2	2	1
A26289	Power Electronics and Simulation Lab	0	0	2	2	1
A26TP1	Personality Development & Behavioral Skills	2	0	0	2	1
IV Year I Semester						
A27428	Microprocessors and Interfacing Devices	3	0	0	3	3
A27227	Power Systems Operation and Control	3	0	0	3	3
A272XX	Professional Electives -3	3	0	0	3	3
A272XX	Professional Electives -4	3	0	0	3	3
A272XX	Open Elective -3	3	0	0	3	3
A27490	Microprocessors and Interfacing Lab	0	0	2	2	1
A27290	Electrical Measurements Lab	0	0	2	2	1
A272P1	Mini Project	0	0	0	0	3
IV Year II Semester						
A28234	Utilization of Electrical Energy	3	0	0	3	3
A28235	Renewable Energy and Energy Storage Technologies	3	0	0	3	3
A282TS	Technical Seminar	2	0	0	2	2
A282CV	Comprehensive Viva-Voce	0	0	0	0	2
A282P2	Major Project	0	0	0	0	10

Table 2.1.2 (b): List of Professional Electives of Regulation R18

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
Professional Elective 1						
A25214	Electrical Energy Conservation and Auditing	3	0	0	3	3
A25215	Electrical Estimation and Costing	3	0	0	3	3
Professional Elective 2						
A26223	Integrated Circuit and Applications	3	0	0	3	3

A26224	Artificial Intelligence Techniques in Electrical Engineering	3	0	0	3	3
Professional Elective 3 and 4						
A27228	Electric Vehicles	3	0	0	3	3
A27229	Smart Grids	3	0	0	3	3
A27230	Electrical Distribution Systems	3	0	0	3	3
A27231	Industrial Electrical Systems	3	0	0	3	3

Table 2.1.2 (c): List of Open Electives of Regulation R18

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
Open Elective 1						
A25216	Non-Conventional Energy Sources	3	0	0	3	3
A25217	Fundamentals of Electrical Power Generation and Protection	3	0	0	3	3
Open Elective 2						
A26225	Energy Auditing and Conservation	3	0	0	3	3
A26226	Principles of Electric Power Utilization	3	0	0	3	3
Open Elective 3						
A27232	Electric Vehicles and Hybrid Vehicles	3	0	0	3	3
A27233	Energy Storage Systems	3	0	0	3	3

R20 COURSE STRUCTURE
Batches (2020-24, 2021-25)
ELECTRICAL AND ELECTRONICS ENGINEERING

Table 2.1.2 (d): Curriculum of Regulation R20

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
I Year I Semester						
A41002	Mathematics-I	3	1	0	4	4.0
A41004	Applied Physics	3	1	0	4	4.0
A41082	Physics Lab	0	0	3	3	1.5
A41001	English	2	0	0	2	2.0
A41081	English Language Skills Lab (ELSL)	0	0	2	2	1.0
A41501	Programming for Problem Solving-I	2	0	0	2	2.0
A41581	ProgrammingforProblemSolvingLab-I	0	0	2	2	1.0
A41301	Engineering Graphics & Modeling	1	0	3	4	2.5
I Year II Semester						
A42007	Mathematics-II	3	1	0	4	4.0
A42009	Chemistry	3	1	0	4	4.0
A42086	Chemistry Lab	0	0	3	3	1.5
A42202	Basic Electrical Engineering	3	0	0	3	3.0
A42282	Basic Electrical Engineering Lab	0	0	2	2	1.0
A42382	Engineering Workshop	0	1	3	4	2.5
A42084	EnglishCommunicationSkillsLab(ECSL)	0	0	2	2	1.0
A42502	Programming for Problem Solving-II	2	0	0	2	2.0
A42582	ProgrammingforProblemSolvingLab-II	0	0	2	2	1.0
II Year I Semester						
A43012	Complex Analysis & Fourier Transforms	3	0	0	3	3
A43010	Professional Communication	2	0	0	2	2
A43401	Electronic Devices and Circuits	3	0	0	3	3

A43203	Network Analysis	3	0	0	3	3
A43204	Electro Magnetic Fields	3	0	0	3	3
A43205	Electrical Machines-I	4	0	0	4	4
A43283	Basic Simulation Tools Lab	0	0	2	2	1
A43284	Electrical Circuits Lab	0	0	2	2	1
A43MC1	Environmental Science	2	0	0	2	0
II Year II Semester						
A44019	Numerical Methods and Partial Differential Equations	3	0	0	3	3
A44405	Switching Theory and Logic Design	3	0	0	3	3
A44207	Python for Electrical Engineers	3	0	0	3	3
A44208	Electrical Machines-II	3	0	0	3	3
A44209	Power Systems – I	3	0	0	3	3
A44210	Control Systems	3	0	0	3	3
A44285	Electrical Machines-I Lab	0	0	2	2	1
A44484	Electronic Devices and Circuits Lab	0	0	2	2	1
A44MC2	Gender Sensitization	2	0	0	2	0
III Year I Semester						
A45021	Managerial Economics and Financial Analysis	3	0	0	3	3
A45211	Power Systems- II	3	0	0	3	3
A45212	Power Electronics	3	0	0	3	3
A45213	Microprocessors and Interfacing Devices	3	0	0	3	3
A4521X	Open Elective-1	3	0	0	3	3
A4521X	Professional Electives-1	3	0	0	3	3
A45287	Electrical Machines-II Lab	0	0	2	2	1
A45087	Advanced Communication Skills Lab	0	0	2	2	1
A45TP1	Personality Development & Behavioral Skills	2	0	0	2	1
III Year II Semester						
A46537	Essentials of Computer Networks	3	0	0	3	3
A46220	Computer Methods in Power Systems	3	0	0	3	3
A46221	Power Semiconductor Drives	3	0	0	3	3

A46222	Switch Gear and Protection	3	0	0	3	3
A4622X	Open Elective-2	3	0	0	3	3
A4622X	Professional Electives-2	3	0	0	3	3
A46288	Control Systems and Simulation Lab	0	0	2	2	1
A46289	Power Electronics and Simulation Lab	0	0	2	2	1
A46TP1	Quantitative Methods & Logical Reasoning	2	0	0	2	1
IV Year I Semester						
A47228	Electrical Measurements & Instrumentation	3	0	0	3	3
A47229	Power Systems Operation and Control	3	0	0	3	3
A472XX	Professional Electives -3	3	0	0	3	3
A472XX	Professional Electives -4	3	0	0	3	3
A472XX	Open Elective -3	3	0	0	3	3
A47290	Microprocessors and Interfacing Lab	0	0	2	2	1
A47291	Electrical Measurements Lab	0	0	2	2	1
A472P1	Industry Oriented Mini Project	0	0	0	0	3
IV Year II Semester						
A48238	Utilization of Electrical Energy	3	0	0	3	3
A48239	Renewable Energy and Energy Storage Technologies	3	0	0	3	3
A482TS	Technical Seminar	0	2	0	2	2
A482CV	Comprehensive Viva-Voce	0	0	0	0	2
A482P2	Major Project	0	0	20	20	10

2.1.3. State the Components of the Curriculum (5)

The program curriculum grouping based on course components for regulation R15, regulation R18 and the list of courses corresponding to the various course components are given in the following tables.

Table 2.1.3 (a): Components of the Curriculum for regulation R15

Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits
Basic Sciences	15.63	45	30
Engineering Sciences	14.58	54	28
Humanities and Sciences	7.81	22	15
Program Core	42.19	86	81
Program Electives	6.25	16	12
Open Electives	4.69	12	09
Project(s)	6.77	15	13
Internships/Seminars	1.04	06	2
Any other (CVV)	1.04	00	2
Total	100	256	192

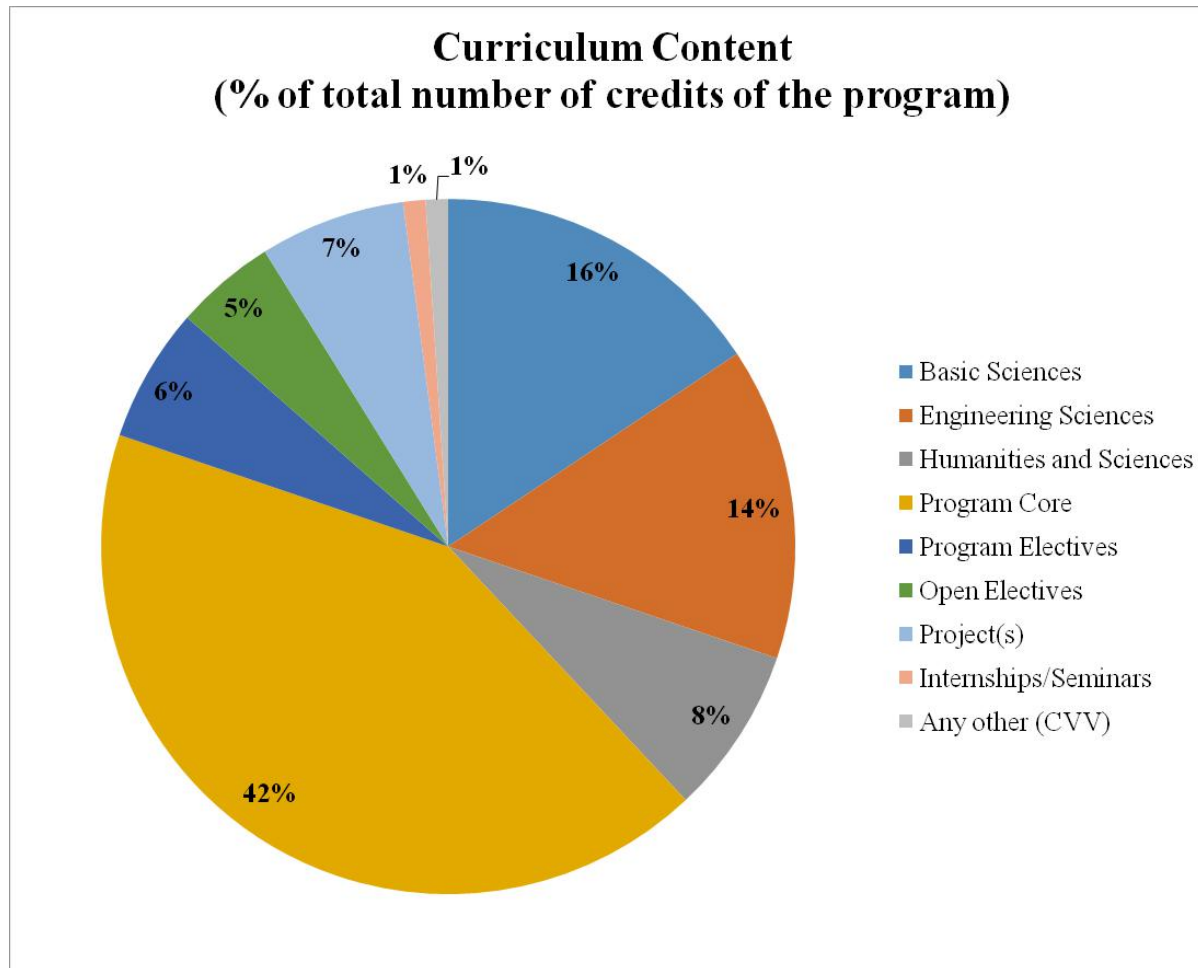
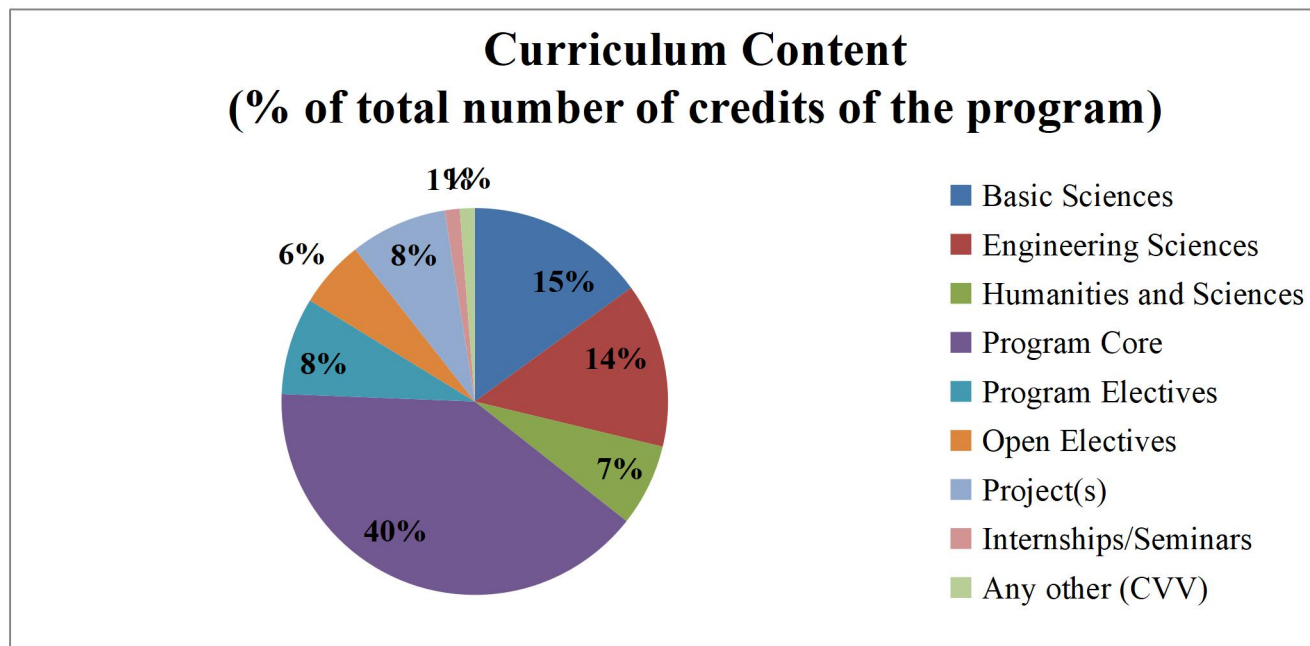


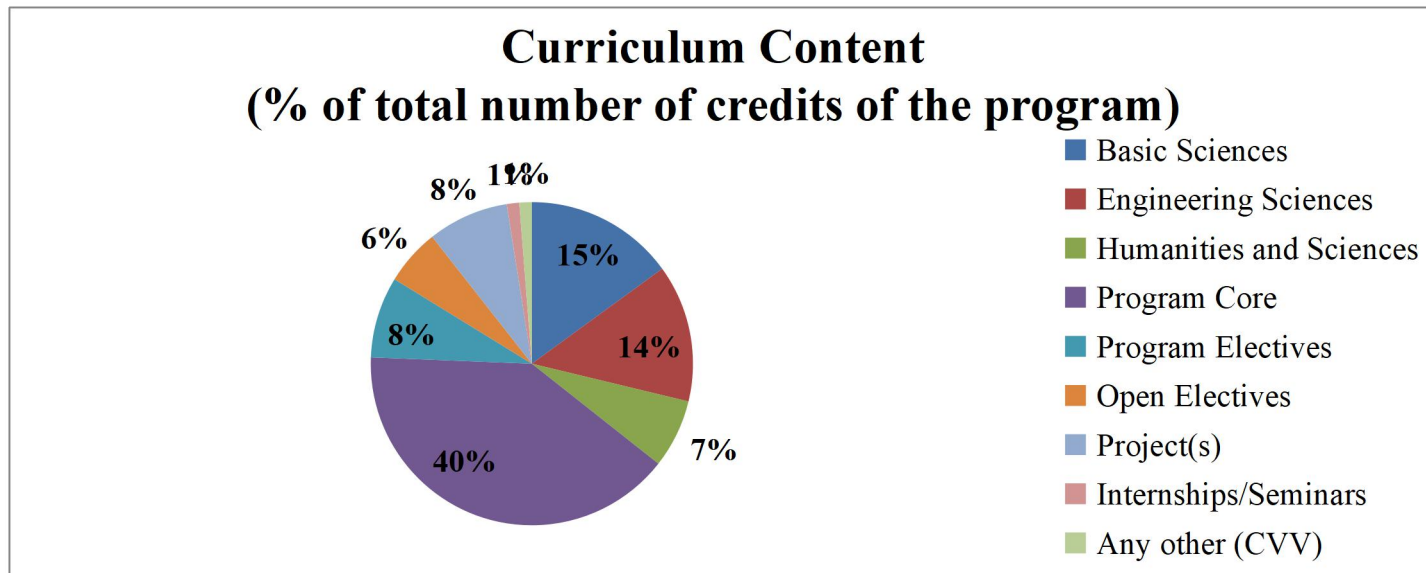
Table 2.1.3 (b): Components of the Curriculum for regulation R18

Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits
Basic Sciences	15	11	24
Engineering Sciences	13.75	25	22
Humanities and Sciences	6.87	22	11
Program Core	40	62	64
Program Electives	8.13	16	13
Open Electives	5.63	15	9
Project(s)	8.12	15	13
Internships/Seminars	1.25	6	2
Any other (CVV)	1.25	---	2
Total	100	162	160



Components of the Curriculum for regulation R20

Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits
Basic Sciences	15	29	24
Engineering Sciences	13.75	32	22
Humanities and Sciences	6.87	15	11
Program Core	40	68	64
Program Electives	8.13	12	13
Open Electives	5.63	09	09
Project(s)	8.12	15	13
Internships/Seminars	1.25	02	02
Any other (CVV),MC	1.25	04	02
Total	100	186	160



2.1.4. State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Appendix I of SAR (10)

The structure of the curriculum designed for B.Tech in Electrical and Electronics Engineering is well balanced and is appropriate for engineering program. The designed curriculum provides both depth and breadth across the range of engineering topics.

The designed curriculum is well balanced and it has included various categories of courses from Basic sciences, Engineering sciences, Humanities and Social sciences. The curriculum includes core programs, professional and open electives, Projects and Internship components necessary to analyze and design complex engineering solutions.

The syllabus for each course has been designed for compliance of the curriculum for attaining the POs and PSOs defined for the program.

Programme Outcomes (PO's):**Engineering Graduates will be able to:**

PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2. 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.

PO3. 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.

PO4. 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.

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 understanding of the limitations.

PO6. 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.

PO7. 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.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the 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 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.

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.

The Program Specific outcomes (PSOs) of Electrical and Electronics Engineering are:

PSO1: Conceptualize electrical and electronics systems, employ control strategies for power electronics related applications to prioritize societal requirements.

PSO2: Apply the appropriate techniques and modern engineering hardware and software tools in electrical engineering to engage in multi-disciplinary environments

Process Description: The course outcomes of all the courses in the program are mapped with the defined twelve POs and two PSOs. The mapping has been done based on the correlation levels defined by Board of Accreditation. The various correlation levels are “3” – substantial (High) Correlation, “2”- moderate (Medium) Correlation, “1”- Slight (low) Correlation. “Dash” – No Correlation

Table 2.1.4 shows the substantial mapping of the courses with POs & PSOs and Figure 2.1.4(a) and 2.1.4(b) shows the process to ensure the compliance and attainment of POs & PSOs

- It is ensured that the defined POs/PSOs are adequately covered by the courses being taught and each course is mapped substantially high with at least one PO. It is also ensured that the POs/PSOs have high correlation with adequate number of courses. The attainment of POs and PSOs are calculated through direct and indirect assessment methods.
- Direct attainment is calculated through Continuous Internal Evaluation (CIE), Semester End Exam (SEE) and indirect attainment through Feedback form from students.

Table 2.1.4 (a): Courses mapped significantly to Program Outcomes and Program Specific Outcomes - R15

POs / PSOs	Courses mapped significantly
PO1	A11002, A11003, A11502, A11004, A11303, A11201, A11081, A11582, A11083, A11084, A12202, A12306, A12007, A12503, A12006, A12009, A12584, A12088, A13204, A13205, A13206, A13281, A13282, A14407, A14408, A14311, A14208, A14209, A14210, A14283, A15017, A15212, A15213, A15214, A15215, A15285, A15286, A16421, A16221, A16222, A16223, A16224, A16287, A16090, A15TPII, A17441, A17230, A17231, A17288, A17493, A182TS, A172P1, A18240, A18241, A18244, A182P2, A182CV.
PO2	A11002, A11003, A11502, A11004, A11303, A11201, A11081, A11582, A12202, A12306, A12503, A12006, A12009, A12088, A13204, A13205, A13206, A13281, A13282, A14407, A14408, A14311, A14208, A14209, A14210, A14283, A15212, A15213, A15214, A15215, A15285, A15286, A16421, A16221, A16222, A16223, A16224, A16287, A15TPII, A17441, A17230, A17231, A17288, A17493, A172P1, A18241, A182P2, A182TS,
PO3	A11502, A11303, A11201, A11582, A12202, A12306, A12503, A12006, A13204, A13205, A13206, A13281, A13282, A14407, A14408, A14208, A14209, A14210, A15017, A15212, A15213, A16421, A16221, A16222, A16223, A16224, A16287, A15TPII, A17441, A17230, A17231, A17288, A17493, A172P1, A182P2, A182TS,
PO4	A11002, A11502, A11582, A12202, A12306, A12503, A12088, A13204, A13205, A13206, A13281, A13282, A14407, A14408, A14208, A14209, A14283, A15213, A15214, A15215, A15286, A16421, A16221, A16222, A16223, A15TPII, A17441, A17231, A17493, A172P1, A18241, A182P2, A182TS,
PO5	A11001, A13281, A14209, A14210, A15017, A15286, A15TPI, A16287, A15TPII, A17493, A172P1, A182P2, A182TS,
PO6	A12006, A13401, A13011, A14MC4, A14484, A14MC1, A15TPI, A172P1, A182P2, A182CV,
PO7	A13011, A14MC4, A14MC1, A15TPI, A16224, A172P1, A182P2, A182CV.
PO8	A11001, A11081, A13011, A14MC4, A14MC1, A15TPI, A172P1, A182P2.
PO9	A13281, A13282, A14MC4, A14283, A14MC1, A15285, A15286, A16287, A17288, A172P1, A182P2.
PO10	A11081, A12202, A12306, A12085, A14MC4, A14MC1, A15017, A16090, A17288, A17493, A172P1, A182P2, A182TS, A182CV.
PO11	A12503, A15017, A15TPII, A172P1, A182P2. A182CV.
PO12	A11001, A11002, A11003, A11502, A11303, A11201, A11081, A11582, A11083, A12005, A12007, A12503, A12009, A12085, A13011, A13281, A13282, A14MC4, A14208, A14209, A14210, A14283, A15212, A15215, A15285, A15TPI, A16222, A16223, A16287, A17493, A172P1, A182P2.
PSO1	A11002, A11004, A11303, A11201, A11081, A11582, A11083, A11084, A12005, A12202, A12306, A12503, A12006, A12009, A12085, A13401, A13204, A13205, A13206, A13281, A13282, A14407, A14408, A14208, A14209, A14210, A14283, A14484, A15212, A15213, A15214, A15215, A15285, A15286, A16221, A16222, A16223, A16224, A16287, A17441, A17230, A17231, A17233, A17288, A172P1, A18240, A18241, A18244, A182P2, A182TS, A182CV.
PSO2	A11002, A12006, A12009, A12085, A13281, A15017, A172P1. A182P2

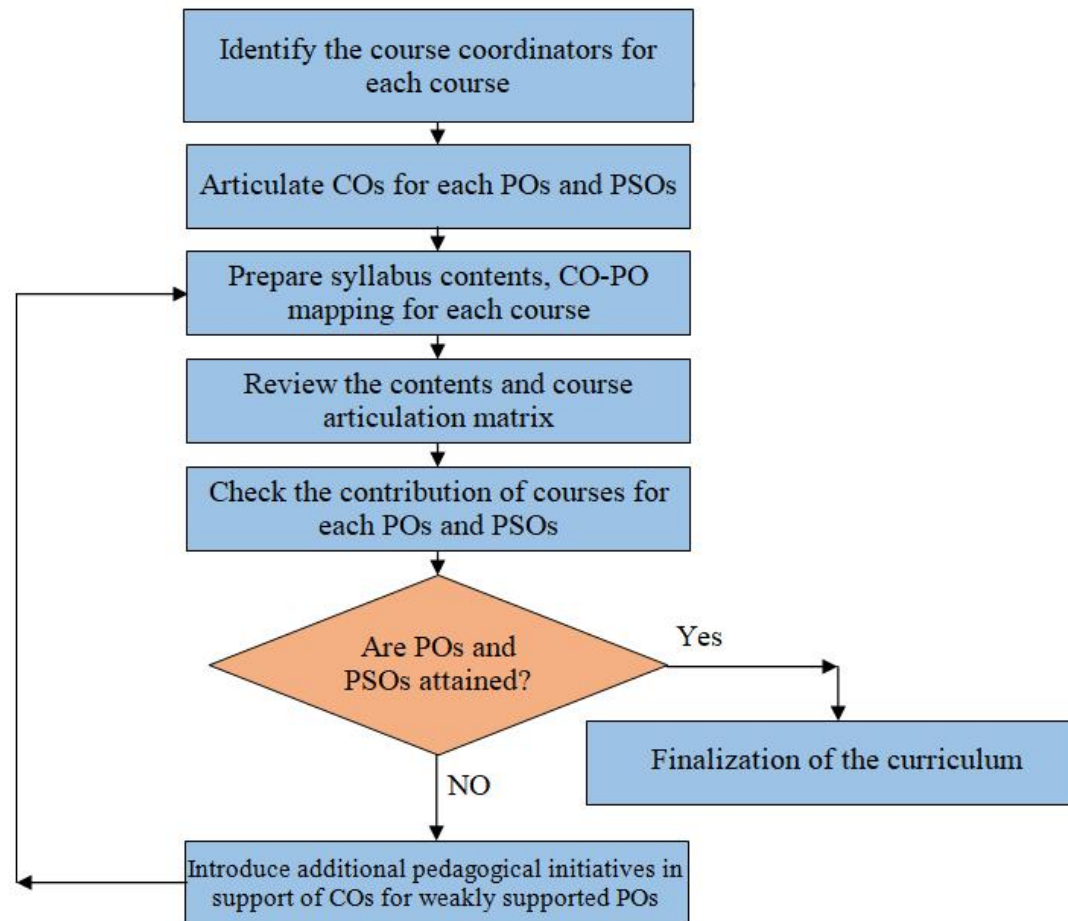
Table 2.1.4(b): Courses mapped significantly to Program Outcomes and Program Specific Outcomes - R18

POs / PSOs	Courses mapped significantly
PO1	A21002, A21004, A21081, A21083, A21381, A22006, A22007, A22302, A22202, A22085, A23204, A23205, A23206, A23283, A23284, A24208, A24209, A24210, A24285, A25016, A25412, A25212, A25213, A25213, A25TP1, A26219, A26220, A26221, A26222, A26288, A26289, A27428, A27227, A27490, A27290, A272P1, A28234, A282TS, A282CV, A282P2
PO2	A21002, A21004, A21081, A22006, A22302, A22202, A22085, A23204, A23205, A23206, A23283, A23284, A24208, A24209, A24210, A24285, A25412, A25212, A25213, A25213, A25TP1, A26219, A26220, A26221, A26222, A26288, A26289, A27428, A27227, A27490, A27290, A272P1, A282TS, A282P2
PO3	A22006, A22302, A22202, A23204, A23205, A23206, A23283, A23284, A24208, A24209, A24210, A25016, A25412, A25213, A25TP1, A26219, A26220, A26221, A26222, A26289, A27428, A27227, A27490, A27290, A272P1, A282TS, A282P2
PO4	A21002, A22302, A22085, A23204, A23205, A23206, A23283, A23284, A24208, A24209, A24285, A25412, A25212, A25TP1, A26219, A26221, A26222, A26288, A27428, A27490, A272P1, A282TS, A282P2
PO5	A21001, A23283, A24210, A25016, A25TP1, A26220, A26288, A26289, A26TP1, A27490, A272P1, A282TS, A282P2
PO6	A22006, A23MC1, A24406, A24484, A26TP1, A272P1, A282CV, A282P2
PO7	A23MC1, A26TP1, A272P1, A282CV, A282P2
PO8	A21001, A21081, A23MC1, A26TP1, A272P1, A282P2
PO9	A23283, A23284, A24285, A25213, A26288, A26289, A27290, A272P1, A282P2
PO10	A21081, A22302, A22084, A25016, A27490, A27290, A272P1, A282TS, A282CV, A282P2
PO11	A25016, A25TP1, A272P1, A282CV, A282P2
PO12	A21001, A21002, A21081, A21083, A22007, A22202, A22084, A23MC1, A23283, A23284, A24208, A24210, A24285, A25213, A25213, A26221, A26222, A26289, A26TP1, A27490, A272P1, A282P2
PSO1	A21002, A21004, A21081, A21083, A21381, A22006, A22302, A22202, A22084, A23204, A23205, A23206, A23283, A23284, A24208, A24209, A24210, A24285, A24484, A25412, A25212, A25213, A25213, A26219, A26220, A26221, A26222, A26288, A26289, A27428, A27227, A27290, A272P1, A28234, A282TS, A282CV, A282P2
PSO2	A21002, A22006, A22084, A23283, A23284, A25016, A272P1, A282P2

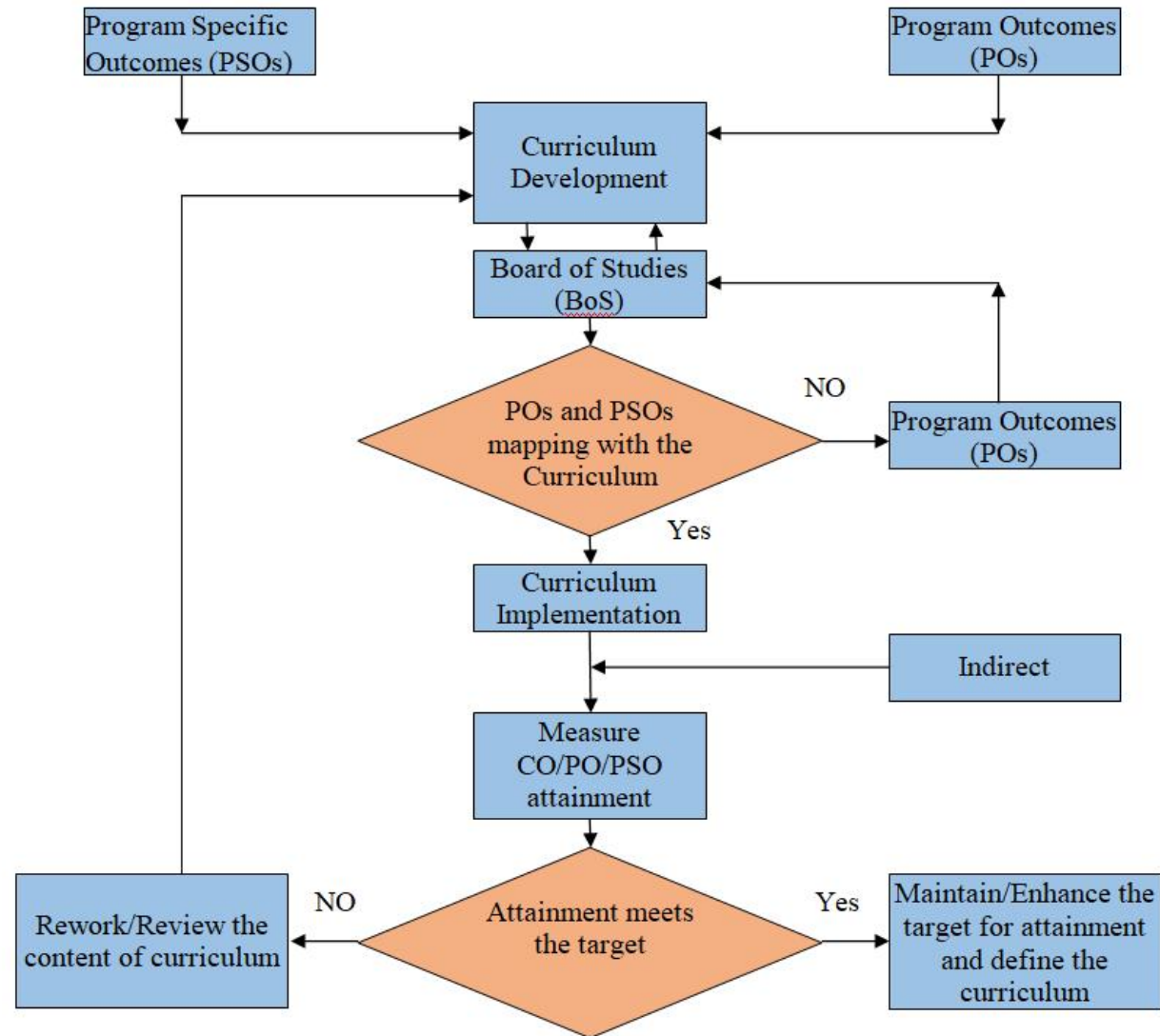
Table 2.1.4(c): Courses mapped significantly to Program Outcomes and Program Specific Outcomes - R20

POs / PSOs	Courses mapped significantly
PO1	A41002, A41004, A41082, A41081, A41501, A41581, A41301, A42007, A42009, A42086, A42202, A42282, A42382, A42502, A42582, A43012, A43203, A43204, A43205, A43283, A43284, A44405, A44208, A44209, A44210, A44285, A45021, A45211, A45212, A45213, A45287, A45087, A46220, A46221, A46222, A46288, A46289, A46TP1, A47228, A47229, A47290, A47291, A472P1, A48238, A482TS, A482CV, A482P2
PO2	A41002, A41004, A41081, A41501, A41581, A41301, A42007, A42009, A42202, A42282, A42502, A43012, A43203, A43204, A43205, A43283, A43284, A44405, A44208, A44209, A44210, A44285, A45211, A45212, A45213, A45287, A46220, A46221, A46222, A46288, A46289, A46TP1, A47228, A47229, A47290, A47291, A472P1, A482TS, A482P2
PO3	A41501, A41581, A41301, A42007, A42202, A42282, A42502, A43203, A43204, A43205, A43283, A43284, A44405, A44208, A44209, A44210, A45021, A45211, A45212, A45213, A46220, A46221, A46222, A46289, A46TP1, A47228, A47229, A47290, A47291, A472P1, A482TS, A482P2
PO4	A41002, A41501, A41581, A41301, A42282, A42502, A43203, A43204, A43205, A43283, A43284, A44405, A44208, A44209, A44285, A45211, A45213, A46220, A46221, A46222, A46288, A46TP1, A47228, A47290, A472P1, A482TS, A482P2
PO5	A41001, A43283, A44209, A44210, A45021, A45TP1, A46288, A46289, A46TP1, A47290, A472P1, A482TS, A482P2
PO6	A42007, A43401, A43MC1, A44484, A45TP1, A472P1, A482CV, A482P2
PO7	A43MC1, A45TP1, A472P1, A482CV, A482P2
PO8	A41001, A41081, A43MC1, A45TP1, A472P1, A482P2
PO9	A42282, A43283, A43284, A44285, A45287, A46288, A46289, A47291, A472P1, A482P2
PO10	A41081, A41301, A42084, A45021, A45087, A47290, A47291, A472P1, A482TS, A482CV, A482P2
PO11	A42502, A45021, A46TP1, A482CV, A482P2
PO12	A41002, A41004, A41082, A41001, A41081, A41501, A41581, A42086, A42086, A42202, A42282, A42084, A42502, A43012, A43283, A43284, A43MC1, A44208, A44209, A44210, A44285, A45212, A45287, A45TP1, A46221, A46222, A46289, A47290, A472P1, A482P2
PSO1	A41002, A41082, A41081, A41581, A41301, A42007, A42009, A42202, A42282, A42382, A42084, A42502, A43012, A43401, A43203, A43204, A43205, A43283, A43284, A44405, A44208, A44209, A44210, A44285, A44484, A45211, A45212, A45213, A45287, A46220, A46221, A46222, A46288, A46289, A47228, A47229, A47291, A472P1, A48238, A482TS, A482CV, A482P2
PSO2	A41002, A42007, A42084, A43012, A43283, A45021, A472P1, A482TS, A482P2

The process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes is described in the figures 2.1.4(a) and 2.1.4(b)



Figures 2.1.4(a): Process to identify the extent of compliance to the curriculum for attaining the program outcomes and program specific outcomes



Figures 2.1.4(b): Process to ensure the compliance and attainment of POs and PSOs

2.2. Teaching-Learning Processes (70)

2.2.1. Describe Processes followed to Improve Quality of Teaching & Learning (15)

The two important facets of the teaching - learning process are the perspective and attentiveness of the students (learners) and the proficiency of the teachers. So, it is mandatory for an institute to ascertain the excellence of teaching- learning processes.

To strengthen the teaching-learning process, following initiatives have been taken:

1. Adherence to Academic Calendar
 - (i) Preparation of Time Tables and Lesson Plan

2. Pedagogical Initiatives - Content Delivery (method of instruction)
 - (i) Classroom teaching
 - (ii) Self Learning
 - (iii) Project Based Learning
 - (iv) Innovative teaching methods

3. Methodologies to support weak students and encourage bright Students
 - (i) Mentoring system
 - (ii) Identification of weak students / fast learners
 - (iii) Action taken

4. Quality of Classroom Teaching
5. Conducting Experiments
6. Continuous Assessment in the laboratory
7. Student Feedback and action taken

1. Adherence to Academic Calendar

College Academic Committee prepares the academic calendar and is circulated well in advance before the commencement of the class work. The academic calendar is issued to faculty and students and is updated in the website. Academic calendar includes the commencement of classes, examination (mid-term, end semester, practical, and supplementary), number of working days, and holidays. The academic calendar is strictly followed as per the schedule for the smooth implementation of teaching- learning process. A sample academic calendar of the year 2018-19 is shown in the Figure 2.2.1(a).

The subject allocation form is circulated among the faculty members. Based on the preference given by the faculty members, Head of the Department assigns the subjects. Further, the timetable is prepared accordingly. The class timetables are circulated to the students and are also displayed on the department notice board. All faculty members are supposed to prepare a lesson plan for their respective subjects. Lesson plan with course objectives, course outcomes, and topics to be taught, number of periods allocated to cover each topic, different teaching methods adopted, and references are prepared by the respective subject teacher. This process is reviewed and approved by the Head of the Department. Syllabus coverage in each semester is monitored by Head of the Department. During the mid of every semester, before the mid-1 examination, feedback on teaching is collected from students. HoD sets up a committee to discuss the issues on feedback given by the students, if any.

 Vidya Jyothi Institute of Technology (Autonomous) <small>(Accredited by NAAC & NBA, Approved By A.I.C.T.E., New Delhi, Permanently Affiliated to JNTU, Hyderabad) (Aziz Nagar, C.B.Post, Hyderabad -500075)</small>			
II/III/IV B.Tech I & II Semester Academic Calendar for the Academic Year 2018-2019			
II/III/IV YEAR I SEMESTER		Commencement of Class Work 02.07.2018	
	From	To	Duration
I Spell of Instruction	02-07-2018	28-08-2018	8 Weeks
I Mid Examinations	29-08-2018	01-09-2018	4 Days
II Spell of Instruction	03-09-2018	12-10-2018	6 Weeks
Dusschra Holidays	13-10-2018	21-10-2018	9 Days
II Spell of Instruction Continuation	22-10-2018	03-11-2018	2 Weeks
II Mid Examinations	05-11-2018	10-11-2018	4 Days
Preparation & Practical Examinations	12-11-2018	21-11-2018	1 Week
End Semester Examinations	22-11-2018	10-12-2018	2 Weeks
Supplementary/ Semester Break	11.12.2018	16.12.2018	1 Week
II/III/IV YEAR II SEMESTER		Commencement of Class Work 17.12.2018	
I Spell of Instruction	17.12.2018	12.02.2019	8 Weeks
I Mid Examinations	13.02.2019	16.02.2019	4 Days
II Spell of Instruction	18.02.2019	13.04.2019	8 Weeks
II Mid Examinations	15.04.2019	18.04.2019	4 Days
Preparation & Practical Examinations	20.04.2019	27.04.2019	1 Week
End Semester Examinations	29.04.2019	15.05.2019	2 Weeks
Supplementary/ Summer Vacation	16.05.2019	30.06.2019	6 Weeks
Commencement of classes will be from 01.07.2019			
 DIRECTOR			

Figure 2.2.1(a): II, III and IV Year B. Tech. Academic Calendar for Academic Year 2018-19

Academic Year: 2018-19, I - Semester – ADHERENCE TO ACADEMIC SCHEDULE

S. No.	Year of Study	I Mid Examination		II Mid Examination		Semester End Examination	
		Scheduled Date	Conducted Date	Scheduled Date	Conducted Date	Scheduled Date	Conducted Date
1	II, III and IV Year	29.08.18 - 01.09.18	29.08.18 - 01.09.18	05.11.18 - 10.11.18	05.11.18 - 10.11.18	22.11.18 - 10.12.18	22.11.18 - 10.12.18

2. Pedagogical Initiatives - Content Delivery (method of instruction)**Instructional Methods**

Pedagogies play an important role in delivery of the content and it varies with the audience. Student Centric learning methods are implemented by the Department Faculty to provide students with the best learning environment. Few hours are allotted in the lesson plan to teach content beyond the syllabus for every subject.

All the Faculty are obliged to have registers for maintaining the attendance of the students. The course files are prepared for every subject by the subject handling Faculty. In order to reduce the gap between industry and institutes, industrial visits, Inplant Training and hands on practice workshops are arranged every semester.

Course Delivery Methods**Classroom teaching**

Faculty deliver their lecture through a set of educational technology/tools such as:

- Chalk and talk - black board.
- Power Point Presentation (PPT).
- Animated videos
- Activity based learning
- Augmented Reality

- Brownbag approach
- Collaborative learning
- Conceptualized Learning through animated Videos
- Crossword
- Demonstration
- Experiential Learning
- Flash Cards
- Flipped Class Room
- Google Classroom
- Google it-Report Writing
- Jigsaw Method
- Mind Map
- Never miss a class
- Peer to Peer learning
- Pictionary
- Prelab Learning
- Project based Learning
- Quiz by Google form
- Short Presentation
- Simulation based teaching and learning
- Socio constructive Approach
- Think – Pair- Share
- Z to A Approach

National Conference organized:

Two day National conference on Evolutionary Computing Applications to Electrical Engineering (NCECAEE-2019) conducted during 2nd – 3rd May, 2019 at Department of Electrical and Electronics Engineering, Vidya Jyothi Institute of Technology, Hyderabad.

The objective of this conference is to provide an interactive platform for the researchers, innovators, professionals in the area of evolutionary computing of artificial intelligence technologies like Neural Network, Fuzzy Logic, Genetic Algorithm, heuristic and meta-heuristic, to electrical engineering applications. This arena provides possibilities for students and young engineers to meet the leading specialists in enriched research field in electrical and electronics engineering. The leading specialists can disseminate their knowledge and experience to young generation of future specialists.

This conference has attracted several research contributions from many academic and industrial research groups across the country. The number of paper submissions is 200 among them 137 papers are shortlisted after the peer review and plagiarism check. The conference proceeding has **ISBN: 978-93-8489319-4**. All the shortlisted papers are accepted for the UGC approved journal, “International Journal of Research, **ISSN: 2236-6124**” and among them 15 papers were published on-line. <http://ijrpublisher.com/VOLUME-8-ISSUE-5-MAY-2019/>

Outcome:

1. Research culture is created among the students
2. Students start publishing their final year projects as research publication.
3. 2nd and 3rd year students came to know the latest thrust areas in electrical engineering
4. Application of computational intelligence awareness is created among the participated researchers and students

విద్యుత్తు అంతరాయాలపై పరిశోధనలు చేయాలి



సదస్సులో పాల్గొన్న ప్రతినిధులు

మొయినాబాద్, న్యూస్టుడే: విద్యుత్ అంతరాయాల సమస్యలపై పరిశోధక విద్యార్థులు దృష్టి సారించాలని విద్యాజ్యోతి ఇంజనీరింగ్ కళాశాల డైరెక్టర్ డా.వేణుగోపాల్ రెడ్డి సూచించారు. మండల పరిధి అజీజ్ నగర్ కూడలిలోని కళాశాలలో గురువారం 'ఎవల్యూషన్ కంప్యూటర్ అప్లికేషన్స్ ఫర్ ఎలక్ట్రికల్ ఇంజనీరింగ్ పై రెండు రోజుల పాటు కొనసాగనున్న జాతీయ సదస్సు ప్రారంభమైంది. ఇన్స్టిట్యూట్ ఆఫ్ ఇంజనీరింగ్ సౌజన్యంతో జాతీయ సదస్సు నిర్వహిస్తున్నారు. సదస్సుకు వివిధ రాష్ట్రాల నుంచి సుమారు 400మంది విద్యార్థులు హాజరుకాగా.. సదస్సులో వారి పరిశోధనను ప్రదర్శించారు. ఈ కార్యక్రమంలో విభాగాధిపతి, కాస్ట్రెన్సు చైర్మన్ శివప్రసాద్, ఏజీ జెన్ కో విశ్రాంత చీఫ్ ఇంజనీర్ ఎస్ఎం జపరుల్లా, ఏపీ ట్రాన్స్ కో విశ్రాంత డీఈ ఎన్ఎల్వీ ప్రసాదరావు, ప్రిన్సిపల్ పద్మజ, సీనియర్ ఏవో వెంకటాచలం, రెడ్డి, రవి, మధు తదితరులు పాల్గొన్నారు.

Event published in Newspaper



Event Inauguration



Valedictory function

International FDP organized: Modern Trends in Power Electronics and their Applications**Topics Covered**

- Role of Power Converters in Wind Energy Conversion Systems
- Impact of Electric Vehicle and Storage System in optimal operation of Hybrid Power System
- Resonant Converters
- Issues with Multilevel in high power applications
- IOT Applications to Electrical Engineering

Innovations by the Faculty in Teaching and Learning

S. No	Name of the Faculty	Innovative methods adopted
1	Dr. A. Srujana	Short Presentation, Mind Map
2	Dr. C. N. Ravi	Activity based Learning, Simulation based teaching and learning
3	Dr. D Bala Gangi Reddy	Z to A Approach, Never miss a class, Short Presentation
4	Mr. K. Satish Kumar	Brownbag approach
5	Mr. D. Srinivas	Quiz by Google form, Short Presentation
6	Mrs. V. Vijayalakshmi	Google it-Report Writing
7	Mr. Ch.Vikram	Conceptualized Learning through animated Videos, Quiz using Google Form, Prelab Learning
8	Mr. L. Raju	Crossword, Augmented Reality

9	Mr. B. Rajesh	Pictionary, Flash card
10	Mr.B.Rajesh	Think – Pair- Share
11	Mr. Hussain shaik	Activity based learning, Demonstration, Simulation based teaching and learning
12	Mrs. S. Chaitanya	Flipped Class Room
13	Mr. B. Sudhakar Reddy	Brownbag approach, Project based Learning, Google it - Report Writing
14	Mrs. K. Haritha	Crossword, Never miss a class
15	Mr.A.Mohan Das	Google Classroom
16	Mr. T. Parameshwar	Never miss a class, Think pair share
17	Mr. P. Nageswara Rao	Experiential Learning, Activity based learning
18	Mrs.A. Srilatha	Socio constructive Approach, Z to A Approach
19	Mr. M. Vijaykumar	Peer to Peer learning, Pictionary
20	Mrs. P. Vaishnavi Devi	Google it - Report Writing, Flash Cards
21	Mr. P. Naga Muneendra	Brown bag approach Jigsaw Method
22	Mrs. K. Swapna	Collaborative learning, Flipped Class Room

3. Methodologies to support weak students and encourage bright Students

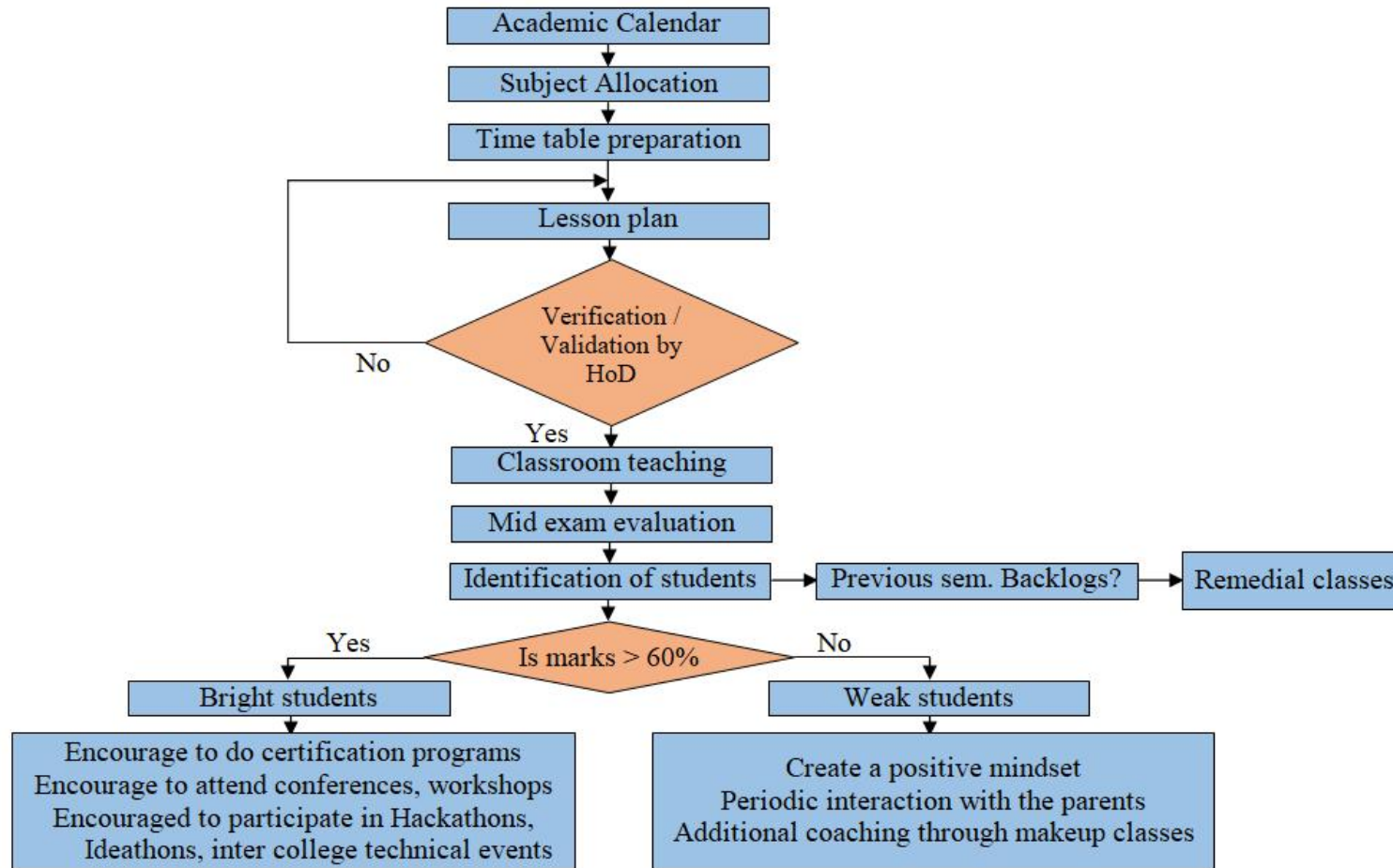


Figure 2.2.1(b): Process to identify and support weak students and encourage bright students

Mid-term examination is an instrument to identify bright students and weak students. The students who score more than 12 out of 20 marks in mid-exam are considered as bright students. Otherwise, they are considered as weak students.

The weak students are advised to meet the faculty after the college hours. Makeup classes are conducted to these students which help them to improve their academic performance.

Bright students are encouraged to make the most of every opportunity that augments their potential. This process facilitates them to enhance their knowledge in the recent technologies. Further, these groups of students are encouraged to participate in hackathons, Ideathons, inter college technical events, various certification programs, workshops and conferences to present their works.

Support for weak Students

- Students getting less than 60 % marks in the internal examinations are identified as weak students.
- Motivation and responsibility of both faculty and parents will create a positive mindset, and will help to overcome the inabilities and hurdles faced by the slow learners.
- Care is taken by the faculty in monitoring the performance of slow learners. The student's deviation from studies is observed by the respective section in charges and mentors, so as to take appropriate corrective measures.
- Faculty/mentors also go a step ahead and have periodic interaction with parents about the performance of their wards.
- Every parent is informed about the mid examination marks and the attendance by the mentor.
- Additional coaching is given to slow learners through makeup classes and simplified exam oriented coaching material is also provided
- Special counseling and remedial classes are conducted by the faculty for the students who fail in any of the subjects.

Encouragement for bright students:

- Students achieving more than 60% marks in the internal examinations are identified as bright students.
- Class Toppers will be encouraged by providing certificate and mementos.
- The bright students are identified based on their overall performance and the orientation towards academics.
- Students are encouraged to attend conferences and workshops.
- Students are encouraged to participate in hackathons, Ideathons, inter college technical events, various certification programs, and conferences to present their works.

4. Quality of Class Room Teaching

Quality of teaching is a very important factor for quality learning. The following aspects are considered to ensure a good quality classroom teaching:

- Classroom ambience is made interactive.
- Real components and models are taken by the faculty to the classroom to demonstrate the concepts clearly to the students.
- Real time examples are cited in the form of animations.
- Complex tutorial problems are solved in the class rooms by the faculty and students together.
- Head of Department regularly visits classes to observe the teaching process and convey suggestions and appreciations to the faculty member.
- Quality of content delivery in live lectures is evaluated randomly by visiting ongoing lecture classes.
- The evaluation parameters broadly include the plan of presentation, communication skills and delivery methods.
- On the basis of evaluation report, necessary feedback is given to the faculty members to improve the quality of lectures.

5. Conduct of Experiments

Laboratory teaching has been given high importance in the teaching learning process. The students are divided into groups, each group consisting of 3 students. The lab faculty gives a demonstration of the experiments at the beginning of lab session. Each lab faculty has to assess and evaluate the performance of the students during lab session in terms of, model calculations, result, discussions, viva and record submission. Students maintain observation books and lab records which are evaluated by faculty. It is mandatory for the students to follow dress code with respect to safety parameter in the labs. Safety measures are displayed in the lab. Firefighting systems are in place. First aid is also available in labs. Lab manuals are prepared by faculty for each lab.

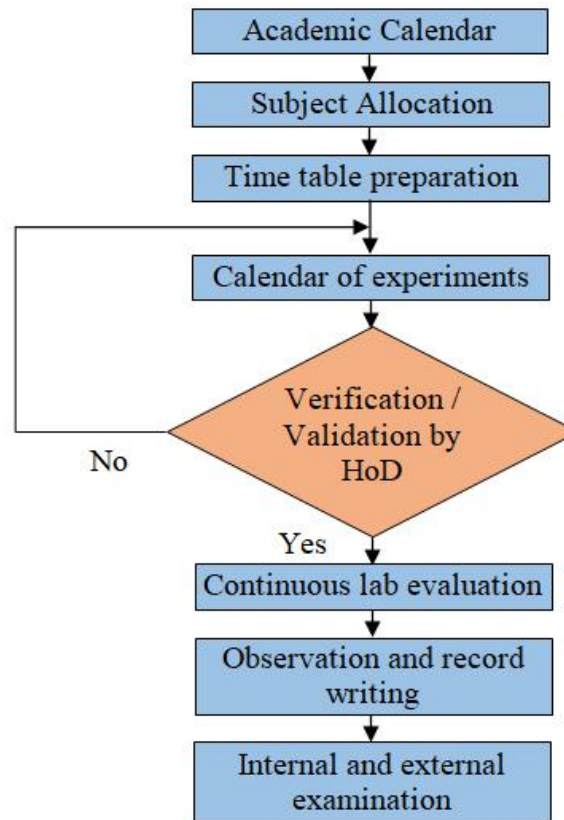


Figure 2.2.1(g): Teaching Learning Process for Laboratories

6. Continuous Assessment in the laboratory

Internal examination has 25 marks and external examination has 50 marks. Out of 25 marks the day-to-day assessment is for 15 marks. Lab internal exam for 10 marks is conducted prior to final exam. Internal / external faculty will evaluate the final lab exam for 50 marks. Apart from these experiments beyond curriculum are conducted. Attendance record is maintained by Faculty.

S. No	Roll No	Day to day Evaluation (10M)	Record (5M)	Internal Exam (10M)	Total (25M)



Vidya Jyothi Institute of Technology (An Autonomous Institution)

(Accredited by NAAC, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziznagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical and Electronics Engineering

LAB ASSESSMENT

Name of the Laboratory:

Branch/Section:

Year/ Sem:

S. No.	Hall Ticket Number	Day to Day Assessment																Day To Day Assessment Average (10M)	Record (5 M)	Internal Exam (10M)	Total Marks (25M)	
		Week																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					

Name & Signature of the Faculty

HOD - EEE

7. Student feedback on Teaching Learning Process

Feedback from students has always played an important role in the maintenance of quality and standards in education. Feedback on teaching learning process is taken in two ways.

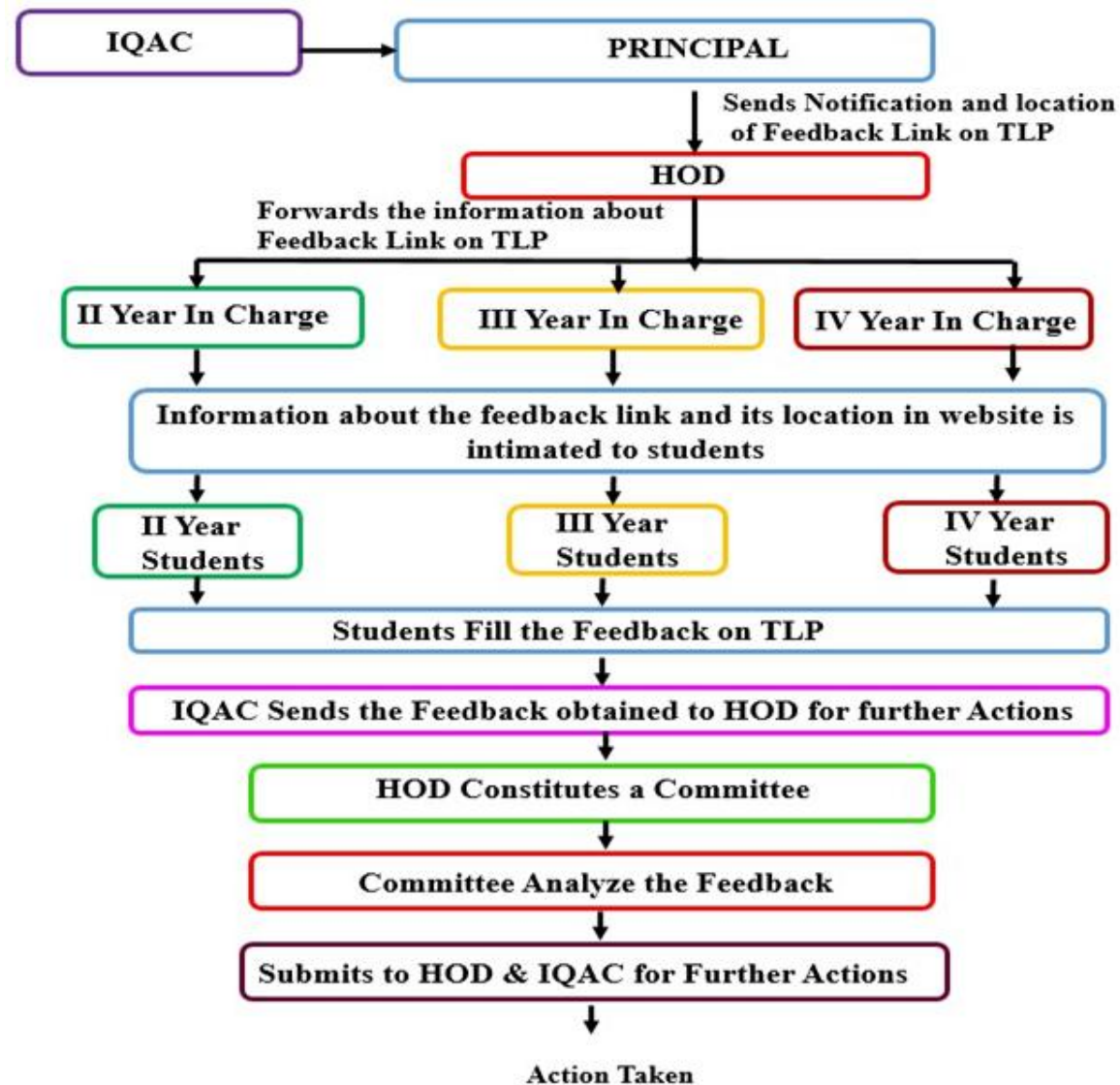
1. Semester wise on curriculum by students and stakeholders
2. Institute level on Teaching Learning Process by students

Feedback on teaching learning process is taken for every course at the end of semester from students using Student Satisfaction Survey form which comprises the following questions:

1. How much of the syllabus was covered in the class?
2. How well did the teachers prepare for the classes?
3. How well were the teachers able to communicate?
4. The teacher's approach to teaching can best be described as
5. Fairness of the internal evaluation process by the teachers.
6. Was your performance in assignments discussed with you?
7. The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.
8. The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.
9. The institution provides multiple opportunities to learn and grow.
10. Teachers inform you about your expected competencies, course outcomes and programme outcomes
11. Your mentor does a necessary follow-up with an assigned task to you
12. The teachers illustrate the concepts through examples and applications.
13. The teachers identify your strengths and encourage you with providing right level of challenges.
14. Teachers are able to identify your weaknesses and help you to overcome them

15. The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.
16. The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.
17. Teachers encourage you to participate in extracurricular activities.
18. Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.
19. What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.
20. The overall quality of teaching-learning process in your institute is very good.
21. Give three observation / suggestions to improve the overall teaching – learning experience in your institution.

The process of teaching learning is given in the below figure.



Action taken on student's feedback

A discussion is made on feedback taken from the students on teaching learning process for the academic year in the academic council and BoG meetings and action is initiated based on the comments.

Few of the action points for the academic year 2019-20 that has been implemented based on the inputs given by stakeholders are

- Faculty are instructing the complete the syllabus of all five units, one week before the last working day
- Faculty are encouraged to provide practical examples and applications of the subject taken in the classroom

2.2.2. Quality of End Semester Examination, Internal Semester Question Papers, Assignments and Evaluation (15)

Quality of question papers

Semester End Examination (SEE)

- Question papers for End-semester exams are based on learning levels like remember, understand, analyze and create of Bloom's taxonomy and COs
- Faculty engaged in teaching with not less than five years of experience in relevant subject in any University, Research Institute or College affiliated to Universities are appointed to set question papers.
- For each course 2 sets of question papers are set by external question paper setter.
- The following materials are sent to question paper setters:
 - Copy of the guidelines for question paper setter's
 - Syllabus of the concerned course /courses
 - Bloom's Taxonomy
 - Question paper Format
- During moderation following essentials are considered:
 - A total of ten questions, two from each unit to be set covering the entire syllabus.
 - Blooms levels and CO are checked for consistency.

Internal Exam Question Paper Preparation Process

The procedure for the preparation of internal (mid-term) exam question papers is explained as follows:

- The notification for preparation of two sets of question papers is sent by exam branch two weeks prior to commencement of mid examination to

the Head of the Department.

- Head of the Department assigns course coordinators for question paper preparation.

The course coordinator prepares two sets of question papers considering the following parameters:

- The questions are within the syllabus
- The distribution of questions as per the pattern
- Presence of Course Outcomes(COs), Program outcomes(POs) and Blooms Taxonomy

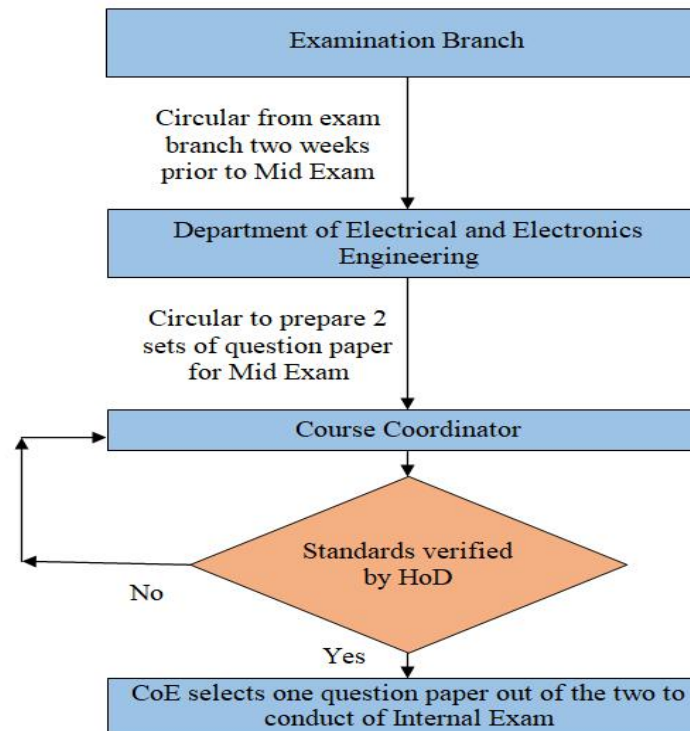


Fig. 2.2.2 (a): Internal Exam Procedure

Institute follows the below mentioned question paper pattern for internal examination. Each semester, students have to write two mid-term examinations conducted for 20 marks. The mid-term I examination syllabus includes first 2.5 units and mid-term II examination includes remaining 2.5 units. The

question paper consists of two parts namely Part A and Part B. Part A consists of 3 short answer questions for 6 marks ($3Q \times 2M = 6M$). Part B consists of 3 long answer questions for 14 marks ($5M+5M+4M = 14M$). The average of two mid-term examination marks is considered for awarding internal marks of 20. Every semester, two assignments are given to the students for 5 marks. The total weightage for internal exams is 25 marks.

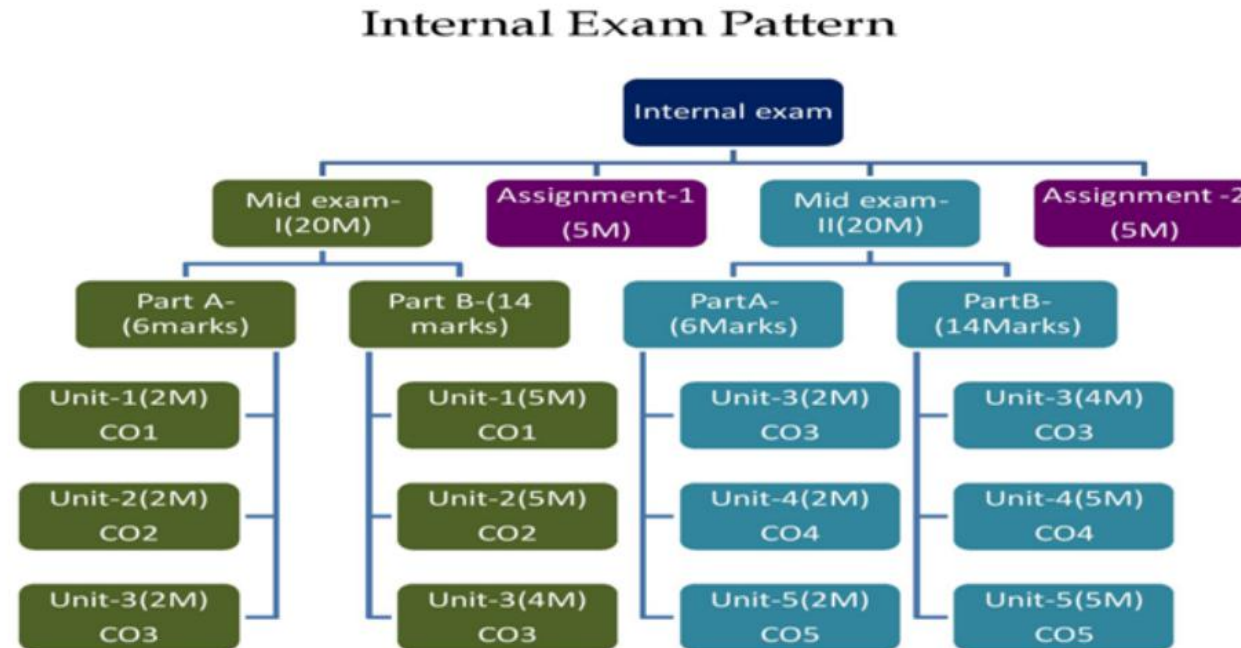


Figure 2.2.2(b): Internal Examination Question Paper Pattern

The course coordinators are instructed to prepare question papers for mid-term examination to ensure that the COs, POs and BLs are covered in the question paper. The sample question paper is displayed here.



Vidya Jyothi Institute of Technology (Autonomous)

(Accredited by NAAC & NBA, Approved By A.I.C.T.E., New Delhi, Permanently Affiliated to JNTU, Hyderabad)
(Aziz Nagar, C.B.Post, Hyderabad -500075)

I, II, III & IV Year B.Tech II Semester 1st Mid Exam

Branch: EEE

Duration: 90Min

Sub: SWITCHGEAR AND PROTECTION

Marks: 20

Date: 21-02-2019

Session: FN

Course Outcomes:

1. Understand basic working of circuit breaker and various types of circuit breakers
2. Understand working of different circuit breakers and their application in power systems
3. Understand the principle of operation of over current, directional, differential and distance relays
4. Understand the protection of alternators, transformers, bus-bars
5. Understand the concept of neutral grounding and protection from surge

Bloom Levels:

Remember	I
Understand	II
Apply	III
Analyze	IV
Evaluate	V
Create	VI

PART-A (3Q×2M = Marks)		Course Outcomes		Bloom Levels	Marks
		CO	PO		
ANSWER ALL THE QUESTIONS					
1	Explain the term RRRV	1	1,2	II	2
2	Define relay? List out classification of relays	3	1,3	III	2
3	Mention the most commonly used protection scheme for alternators	4	2,3	IV	2

PART-B (5+5+4= 14 Marks)		Course Outcomes		Bloom Levels	Marks
		CO	PO		
ANSWER ALL THE QUESTIONS					
4.a)	Explain the operation of SF6 Circuit breaker with the help of a neat sketch	2	2,3	II	3
4.b)	Mention the advantages of SF6 circuit breaker	2	2,3	I	2
[OR]					
5.a)	Explain current zero – arc interruption method	1	2,3	II	3
5.b)	Describe high resistance – arc interruption method	1	2,3	III	2
[OR]					
6.a)	Compare Static relays with Electromagnetic Relays	3	3,4	III	3
6.b)	Discuss about differential relay	3	3,4	III	2
[OR]					
7.a)	Explain the directional over current relay with a neat circuit diagram	3	2,3	II	3
7.b)	Define the terms a) pick up current b) plug setting multiplier (PSM)	3	1,2,3,4	II	2
[OR]					
8.a)	Discuss about the abnormal conditions in generator protection?	4	2,3,4	IV	4
[OR]					
8.b)	Explain briefly about stator fault protection in generator using percentage differential protection	4	2,3,4	III	4
VJIT(A)					

Assignments

Assignments are an integral part of the continuous assessment process to ensure that students apply and analyze the knowledge to raise the level of learning and application. Similar to CIE and SEE, the assignments too are in line with BL, CO and difficulty levels are predefined. Submission dates of

assignments are announced by the respective subject teachers. All assignments are framed and mapped with COs and Bloom's taxonomy. Scheme of evaluation is prepared by the faculty.

ASSIGNMENT –I, Subject: SGP III B.Tech. II Sem.

S.NO	Questions	COs	POs	BL
1	In a system of 132kV, the line to ground capacitance is $0.03\mu\text{F}$ and the inductance is 7H. Determine the voltage appearing across the pole of a Circuit Breaker. If a magnetizing current of 8Amps (instantaneous value) is interrupted, determine also the value of resistance to be used across the contacts to eliminate the restriking voltage	1	1,2,4,6	4
2	Explain the operation of SF ₆ Circuit breaker with the help of a neat sketch. Mention the advantages of SF ₆ circuit breaker	1	1,2,3,4,6	2
3	Infer the characteristics of distance relays and give the merits of distance relay	2	1,2,3	2
4	Outline the advantages of static relay? Explain the working of over current static relay?	2	1,2,5	2
5	A 3 – phase, 2 pole, 33 KV, 8000 KVA alternator has neutral earthed through a resistance of 4 ohms. The machine has current balance protection which operates up on out of balance current exceed 20 % of full load. Determine % of winding protected against earth fault.	3	1,2,4	5

ASSIGNMENT –II, Subject: SGP III B. Tech. II Sem.

S.NO	Questions	COs	POs	BL
1	A 33/6.6kV, three-phase, 50 Hz, star/delta connected transformer is protected by a differential scheme. Draw the detailed connection diagram for the differential protection of the transformer. If the CTs employed on the high tension (HT) side have the ratio of 6.93:1 A, determine the CT ratio on the low tension (LT) side. Let the current on LT lines be 300A	3	1,2,4	5
2	Explain with neat diagram the high impedance bus bar differential protection scheme and also write the requirements of bus bar protection	4	1,2,3	2
3	Outline (i) Solid grounding, (ii) Peterson coil and (iii) Voltage transformer grounding	4	1,2,3, 4	2
4	Develop Zinc oxide lightning arresters along with V-I characteristics	5	1,2,3, 4	3
5	Plan the different schemes used for the protection against lightning over voltages	5	1,2,3,6	3

Assessment Procedure – Tests and Examinations

For each theory course, the assessment pattern for CIE and SEE is done as shown in the below Table.

S. No	Assessment	Marks	Weightage
1.	I – Mid	20	20
2.	I – Mid	20	
3.	Assignment - I	5	05
4.	Assignment – II	5	
Total			25

Theory course total assessment pattern

S. No	Assessment	Marks
1.	CIE	25
2.	SEE	75
Total		100

For each Laboratory, the assessment pattern for CIE and SEE is done as shown in the below Table.

S. No	Assessment	Marks	Weightage
1.	I – Mid	10	10
2.	I – Mid	10	
3.	Continuous Assessment	15	15
Total			25

Laboratory total assessment pattern

S. No	Assessment	Marks
1.	CIE	25
2.	SEE	50
Total		75

2.2.3. Quality of Student Projects (20)

A) Identification of projects and allocation methodology to faculty members(2M)

Students in team will choose an area and product/application to work and the same will be submitted to Project Coordinator. Department Project Review Committee (PRC) will go through the brief report and decide the area and identify faculty who can guide the students in those areas. The same will be circulated to the students. Maximum number of batches allotted to a guide does not exceed two. Allotted guide with the batch of students will identify a problem in the area chosen and will figure out title for the project.

B) Types and relevance of projects and their contribution for the attainment of POs and PSOs (2M)

Projects are classified briefly into categories like study, real time, industry fabrication, design oriented, analysis, mathematical modeling etc. Thereafter, the projects are mapped to the POs and PSOs so as to know the impact of the projects on the attainment. Sample list of five projects in academic years are given below:

Academic Year: 2020-21

S.No	Roll No	Name of student	Project Title	Project Guide	Classification	Supported PO's	Supported PSO's
1	17911A0254	B. Vamshi	IOT HOME AUTOMATION USING RASPERRY PI	Mr.B.Sudhakar Reddy	Application Based	PO1-PO12	PSO1, PSO2
	17911A0272	K.Sannith Kumar					
	17911A0284	M.Maneesh Reddy					
	17911A0290	P.Manikanta					

2	18915A0223	Kommu Naveen	Dual Axis Sun Tracker Solar panel	Mr.Ch.Vikram	Application Based	PO1-PO12	PSO1, PSO2
	18915A0226	Mohd Fayaz Ahmed					
	18915A0229	Narsimha Nayak					
	18915A0237	Feroz Shaik					
3	17911A0215	D.Prathibha	Solar Food Maker	Dr.A.Srujana	Environment & Society Based	PO1-PO12	PSO1, PSO2
	17911A0222	Kanapuram Mounika					
	17911A0236	P.Gouthami					
4	17911A0238	S.Hima Bindu	Movable road divider for organized vehicular traffic control with monitoring over internet of things (IoT)	Mrs.V.Vijaya Lakshmi	Environment & Society Based	PO1-PO12	PSO1, PSO2
	17911A0249	Y.Sai Teja					
	18915A0217	K.Nitisha Sreelatha					
	17911A0268	Juveriya Samreen					
5	17911A0262	G Anantharamulu	Design and Development of Solar Induction Motor Drive for Pumping Application	Mr.B.Rajesh	Application Based	PO1-PO12	PSO1, PSO2
	18915A0201	Akula Naresh Chandra					
	18915A0231	Padmati Saikiran					
	18915A0224	Kuntla Srikanth					

Academic Year: 2019-20

S. No	Roll No	Name of student	Project Title	Project Guide	Classification	Supported PO's	Supported PSO's
1	16911A0262	Dhanishetti Krishna Priya	Energy Meter monitoring using IOT	Mrs.K.Swapna	Application Based	PO1-PO12	PSO1, PSO2
	16911A0266	Gujjula Vidya					
	16911A0282	Pisupati Sai Chandana					
	16911A0291	Sai Sree Yallavula					
2	16911A0211	E. L. Sarada Pravallika	Wireless Electromyography	Dr.A.Srujana	Application Based	PO1-PO12	PSO1, PSO2
	16911A0223	Kothakaapu Shravani					
	16911A0238	Naredla Pavan Kalyan					
	16911A0249	Voodi Sai Ganesh					

3	16911A0216	K Raja Rajeshwari	Automatic Street light intensity controller	Mrs.V.Vijaya Laxmi	Environment & Society Based	PO1-PO12	PSO1, PSO2
	17915A0212	K. Sreedhara Chary					
	17915A0214	Kusukuntla Mamatha					
	17915A0215	Maddi Abhilash Goud					
4	16911A0224	Kottha Ambika	Buck-Boost Converter as Power Factor Correction and Improvement for Plug-In Electric Vehicles and Battery Charging Application	Mrs.P.Vaishnavi Devi	Research Based	PO1-PO12	PSO1, PSO2
	17915A0204	C Swathi					
	17915A0206	G Raghuram Reddy					
	17915A0207	Gugulothu Renuka					
5	16911A0272	Koppoju Aravinda Chary	Electric Vehicle Battery charging in wireless high power transfer	Mrs.A.Srilatha	Application Based	PO1-PO12	PSO1, PSO2
	16911A0274	Manati Manisha					
	16911A0281	Pedda Bomma Divya Sree					

Academic Year: 2018-19

S. No	Roll No	Name of student	Project Title	Project Guide	Classification	Supported PO's	Supported PSO's
1	15911A0202	Akki Pranay Rajeev Reddy	Underground Cable Fault Detection and Location Using IOT	Mr.M.Vijay Kumar	Application Based	PO1-PO12	PSO1, PSO2
	15911A0211	Banoth Sujatha					
	15911A0214	Chittepu Shiva Prasad Reddy					
	15911A0215	Dhanavath Hemanth Naik					
2	16915A0207	Domakonda Vamshikrishna	Automatic Power Factor Compensation for Industrial Power Use to Minimize	Mr.T.Parameshwar	Environment & Society Based	PO1-PO12	PSO1, PSO2
	16915A0208	Gadde Rajesh					
	16915A0209	Gopi Krishna P					

	16915A0210	Janvada Balajipavan	Penalty				
	16915A0212	K Sai Baba					
3	15911A0209	Bandi Sai Krishna	Implementation Of PWM Control for Induction Motor	Mr.P.Naga Muneendra	Research Based	PO1-PO12	PSO1, PSO2
	15911A0214	Chittepuru Shiva Prasad Reddy					
	15911A0228	Kowtikwar Sachin					
4	15911A0215	Dhanavath Hemanth	Facts By TSR	Dr.S.Siva Prasad	Research Based	PO1-PO12	PSO1, PSO2
	15911A0227	Konireddy Vineeth Reddy					
	15911A0232	Maloth Ramakrishna					
	15911A0233	Manish Kumar					
5	15911A0210	Banoth Nageshwar Rao	Single Phase Induction Motor Speed Control Using Temperature Based Sensor	Mr.L.Raju	Application Based	PO1-PO12	PSO1, PSO2
	15911A0229	Kummari Aravind					
	16915A0204	Banoth Nehru					
	15911A0240	Panuganti Nagaraju					

C) Project related to Industry: (3M)

Academic Year: 2020-21

S.No	Roll Number	Student Name	Name Of the Project	Industry
1	18911A0257	Chelakalapelly Sanjay	IoT Based Home Automation	Enrun India
	18911A0258	Chintapalli Samara Simha Reddy		
	18911A0259	Chukka Akanksha		
2	18911A0295	Rajesh Janampeta	Design of Electrical Vehicle	TSV Engineering services Pvt Ltd
	18911A0296	Ramavath Swapna		
	18911A0298	Samhitha Sampath		
3	19915A0222	P Santosh	An Automated Irrigation System for Agriculture using	Exposys Data Labs

			the Internet of Things	
4	19915A0224	S Jashwanth Kumar	Analysis of Electrically Operated Three Wheeled Vehicle	Vardhan Consulting Engineers
	19915A0225	V Rajeshkumar Reddy		
	19915A0226	V Sai Ganesh Reddy		
5	18911A0285	P Juhitha Reddy	Design of 20 kW Solar Rooftop Plant	Galaxy Sunpower Systems

Academic Year: 2019-20

S.No	Roll Number	Student Name	Name Of the Project	Industry
1	17911A0202	A Sai Charan	Operation and Maintenance of Substation	TSSPDCL
	17911A0220	Jivilikapalli Praveen Kumar		
	17911A0230	N Anil Kumar		
	17911A0247	V Sai Pranay Reddy		
2	18915A0217	K Nitisha Sreelatha	Technical Analysis of Permanent Magnet Synchronous Motor of MG ZS EV	Vardhan Consulting Engineers
3	17911A0289	P Priyanka	Tech-Commercial Analysis of Case Study of Electrical Auto-Rickshaw (To-To) in India	Vardhan Consulting Engineers
	17911A0255	Challapur Susmitha Goud		
4	18915A0222	K. Venumadhav	Design of Electric Bicycle for Mountain Terrain	Stem Robomatrix
	17911A0216	D. Anil Sai		
5	17911A02A0	U Shivakumar	Protection of Transformer and load sharing using Programmable Logic Controller	Enrun India
	17911A0282	M Bhanuguptha		
	17911A0293	S Jitendra		
	17911A0298	S Karthik		

Academic Year: 2018-19

S. No	Roll No	Name of the Student	Title of the Project	Industry
1	16911A0270	K. Tarun	Design on 20kW Solar Parking System	Galaxy Sunpower Systems
	16911A0272	K Aravindachary		
	16911A0274	M Manisha		
	16911A0281	P Divyasri		
2	16911A0253	B Saikanth Goud	25kW Solar Rooftop System	Galaxy Sunpower Systems
	16911A0258	B Anajaiah		
	16911A0277	M Sudarshan		
	16911A0295	U Ramesh		
3	17915A0201	B Shashikumar	Study of 30 HP Induction Motor Design details	Chaitanya Metal Industries
	17915A0205	Dhatrika Akhil Raj		
	17915A0211	Kadiyam Abhinav		
4	17911A0240	S Navitha Reddy	A Review of Tata Nexon, MG ZS EV , Hyndai Kona Electric Vehicles	Vardhan Consulting Engineers
	18915A0221	K Aravindh Reddy		
	17911A0205	B Krishna Chaitanya		
	18915A0204	B Harika		
5	16911A0271	K Vani	Performance and Analysis of I-V Curve for Different Conditions using Solar Pro Software	The National Small Industries Corporation Ltd.
	16911A0287	R Bindu		
	15911A0230	Sai Bhavana		

D) Process for monitoring and evaluation (2M)

Department has a well-defined process to monitor the progress of student projects. There are fixed timelines for every activity in the projects depicted as below.

Step 1: The HOD along with the project coordinator gives the guidelines for forming project groups and identifying area of interest. Like-minded students form groups among themselves.

Step 2: Project Review Committee (PRC) reviews the area of interest of the students, gets concurrency with the faculty available in the department and publishes the list of guides with their areas of interest/ expertise.

Step 3: Student opts a guide matching with their area of interest.

Step 4: Project coordinator finalizes and allots the guide based on the options given by the students (Maximum number of batches per guide=2)

Step 5: Allotted guide with the batch of students identifies a problem in the area chosen and will figure out title for the project.

Step 6: The student teams present their work in the abstract review, under the guidance of the project guide. If the performance is satisfied, then the project title is confirmed by the PRC members and approval is given to proceed further.

Step 7: Student teams start their work under the supervision of project guide and present their work progress in first review within six weeks from the commencement of the semester. PRC members review the progress of work and give suggestions for improving the performance.

Step 8: Student teams present the simulation or implementation of the work done so far in the second review, conducted after nine weeks.

Step 9: The student teams present the completed work along with results in the final internal review after thirteen weeks along with a rough project report based on guidelines issued by Project Coordinators.

Step 10: HOD along with an external examiner conducts viva voce.

Step 11: Mapping of projects with PO, PSOs is done by the project coordinator.

Area of Interest / Specialization of the Faculty:

S.No	Name	Designation	Specialization
1.	Dr. A. Srujana	Professor	Power Electronics
2.	Dr. S. Siva Prasad	Professor	Power Electronics
3.	Dr. D Bala Gangi Reddy	Professor	Power Systems
4.	Dr. C. N. Ravi	Professor	Power Systems
5.	Dr. Surender Reddy	Professor	Power Electronics
6.	Dr. G. Madhusudhana Rao	Associate Professor	Power Systems
7.	Dr. Harikrishna Muda	Associate Professor	Power Systems
8.	Mr. K. Satish Kumar	Associate Professor	Electrical Power Systems
9.	Mr. A. Narasimha rao	Associate Professor	Electrical Power Systems

10.	Mr. P.Nageshwar Rao	Associate Professor	Electrical Power Systems
11.	Mr. D.Srinivas	Associate Professor	Electrical Power Systems
12.	Mrs. V.Vijayalaxmi	Associate Professor	Power Electronics and Electrical Drive
13.	Mr. T.Parameshwar	Associate Professor	Electrical Power Systems
14.	Mr. Hussain shaik	Assistant Professor	Power Electronics and Electrical Drive
15.	Mr. M.Vijaykumar	Assistant Professor	Electrical Power Systems
16.	Mrs. K.Swapna	Assistant Professor	Electrical Power Systems
17.	Mrs. S.Chaitanya	Assistant Professor	Power Systems &Power Electronics
18.	Mr.P. Naga Muneendra	Assistant Professor	Power Electronics and Electrical Drive
19.	Mr. L. Raju	Assistant Professor	Power Electronics and Electrical Drive
20.	Mr.Vikram Chandha	Assistant Professor	High Voltage Engineering
21.	Mrs. P. Vaishnavi Devi	Assistant Professor	Power Electronics & Power Systems
22.	Mr. B.Sudhakar Reddy	Assistant Professor	Power Electronics and Electrical Drive
23.	Mr. K. Rajeev	Assistant Professor	Electrical Power Systems
24.	Ms.A.B. Bhavana Reddy	Assistant Professor	Electrical Power Systems
25.	Mr.S. Suresh	Assistant Professor	Electrical Power Systems
26.	Mrs. K.Haritha	Assistant Professor	Power Electronics and Industrial Drive
27.	Mr. B. Rajesh	Assistant Professor	Power Electronics and Industrial Drive
28.	Mr.B Subhramanyam	Assistant Professor	Power Electronics and Industrial Drive
29.	Mrs.A.Srilatha	Assistant Professor	Power Electronics and Electrical Drive
30.	Mr.A.Mohandas	Assistant Professor	Electrical Power Systems
31.	Ms.V.Anuradha	Assistant Professor	Electrical Power Systems
32.	Mrs. Aruna Kumari	Assistant Professor	Electrical Power Systems
33.	Mr.A.Praveenkumar	Assistant Professor	Electrical Power Systems
34.	Mr. P.Hemanth kumar	Assistant Professor	Electrical Power Systems
35.	Mr. P.Satheesh	Assistant Professor	Electrical Power Systems
36.	Mrs. G.Prasanna	Assistant Professor	Power Electronics & Power Systems

E) Process to assess individual and team performance (3M)

Department Project Review Committee (PRC) is comprises 3-4 senior faculty members. The PRC along with guide evaluates the performance of each batch during the three reviews as per a predefined rubric. Every student of the batch is expected to contribute to the progress of the work individually. The parameters like technical knowledge gained through the project, timely execution of the tasks, analysis skills, planning, articulation, presentation etc. are evaluated in three reviews. The PRC comes up with a common grade at a student level and submits the report to the project coordinators of the department. Below mentioned rubrics are implemented by the department to evaluate projects in a scientific way.

Rubrics	Reviews	MARKS
Project Review I		
I	Understanding background and topic	3M
II	Specific Project goals	2M
III	Literature Survey	2M
IV	Project Planning	4M
V	Presentation skills	4M
Project Review II		
I	Specific Project goals	2M
II	Specific testing platforms and bench mark systems	3M
III	Project Planning	2M
IV	Technical Design	3M
V	Summary of the findings of Project	2M
VI	Presentation Skills	3M
Final Project Review		
I	Abstract	2M
II	Research Methodology	4M
III	Results obtained and performance Evaluation	5M
IV	Pre - final draft of entire project	5M
V	Presentation skills	4M
Total Marks		50M

F) Quality of completed projects/working prototypes (5M)**Predefined Rubrics for Projects Evaluation**

Criterion for Evaluation/Rubric	Excellent (91 – 100 %)	Good (71 – 90 %)	Average (51 - 70%)	Below Average (Below 51%)
Relevance of the Area chosen with societal Problems and Eco-friendly solutions (5M)	Area chosen with societal problems and Eco-friendly solutions are in micro level.	Area chosen with Societal problems and Eco-Friendly solutions are good level	Area chosen with Societal problems but not relate to Eco-Friendly solutions are Average level	Area chosen is partially related to societal problems and Eco-friendly solutions are poor level.
Literature Survey on the innovations in technology applicable to the area chosen (10M)	Literature survey on innovations in technology applicable to area chosen is excellent	Literature survey on innovations in technology applicable to area chosen is excellent is good	Literature survey on innovations in technology applicable to area chosen is excellent is average	Literature survey on innovations in technology applicable to area chosen is excellent is poor
Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness (10M)	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness is Excellent	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness good	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness is average	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness is poor
Theoretical Analysis / Experimental Observation with ethical values (10M)	Expected performance is obtained	Moderate performance of the proposed system	Average performance is obtained	Poor performance of the system
Implementation, Presentation of Results & Discussion (10M)	Results of the proposed system are expected level	Results of the proposed system are satisfactory	Results of the proposed system are not satisfactory	Expected results are not obtained
Conclusions and scope for future work (5M)	Excellent Conclusions and more scope for future work	Good Conclusions and moderate scope for future work	Average Conclusions and less scope for future work	Poor Conclusions and No scope for future work

A Typical Example of Evaluation of Projects Based on Rubrics is Shown Below**Academic Year: 2020-21**

S.No	Roll No.	Project Title	RB-I (5M)	RB-II (10M)	RB-III (10M)	RB-IV (10M)	RB-V (10M)	RB-VI (5M)	Total (50M)	Remarks
1	17911A0253	Railway Track pedestrian Crossing Between Platforms	4	8	8	8	8	4	40	
2	17911A0263									
3	17911A0276									
4	18915A0238									
5	17911A0212	Smart shopping trolley with automated billing using Arduino	4	7	7	7	6	4	35	
6	18915A0228									
7	18915A0235									
8	17911A0231	ZigBee Based renewable Energy monitoring System with IOT platform	4	8	7	7	7	4	37	
9	17911A0239									
10	18915A0205									
11	18915A0215	Electrical Wiring Display Board	4	7	7	7	7	4	36	
12	17911A0255									
13	17911A0289									
14	17911A0269	Bidirectional DC-DC convertor fed drive for Electric vehicle System	4	7	7	7	7	4	36	
15	17911A0203									
16	17911A0224	Prepaid Energy Meter with Anti Theft Alerting over GSM	4	7	7	8	7	4	37	
17	17911A0214									
18	17911A0208									
19	18915A0203									
20	18915A0219	Domestic Home automation Using NODEMCU	5	8	7	7	7	4	38	
21	17911A0254									
22	17911A0272									
23	17911A0284									
24	17911A0290									

25	18915A0223	Automatic Billing Of Digital Energy Meter Using IOT	4	7	7	7	7	4	36	
26	18915A0226									
27	18915A0229									
28	18915A0237									
29	17911A0215	Solar Food Maker	3	6	6	6	7	3	31	A4
30	17911A0222									
31	17911A0236	Movable road divider for organized vehicular traffic control with monitoring over internet of things (IoT)	4	6	6	6	6	4	32	A3
32	17911A0238									
33	17911A0249									
34	18915A0217									
35	17911A0268	Design and Development of Solar Induction Motor Drive for Pumping Application	4	6	6	6	6	5	33	A2
36	17911A0262									
37	18915A0201									
38	18915A0231									
39	18915A0224	Smart Energy Grid Controlling System Over IOT	5	7	7	7	7	5	38	
40	18915A0208									
41	18915A0210									
42	18915A0211									
43	18915A0212	Design Of Automatic Hand Sanitizer and Temperature Detection	5	8	7	7	7	5	39	
44	18915A0236									
45	18915A0240									
46	18915A0227	Intelligent Car Parking System using PLC	3	6	6	6	6	3	30	A5
47	17911A0209									
48	17911A0219									
49	17911A0226	IOT home automation	4	8	8	8	8	4	40	
50	17911A0274									
51	18915A0233									
52	17911A0252	Field Monitoring and Automation using IOT in Agriculture	4	9	8	8	8	4	41	
53	17911A0267									
54	17911A0295									
55	18915A0239									

56	17911A02A1										
57	17911A0265	Protection and Monitoring of Transformer using Arduino and GSM	4	8	8	8	8	4	40		
58	17911A0281										
59	17911A0287										
60	17911A0299										
61	17911A0258	Design of 11KV/440V Substation Layout	3	6	7	7	7	4	34	A1	
62	17911A0260										
63	17911A0264										
64	17911A0266										
65	17911A0202	Design and development of suitable electric vehicle motor for urban transportation	5	10	10	10	9	5	49	B1	
66	17911A0248										
67	17911A0228										
68	17911A0201										
69	17911A0232	Simulation of 3-wheeled solar powered electric vehicle	5	10	10	9	9	5	48	B2	
70	17911A0233										
71	17911A0245										
72	18915A0222										
73	17911A0216	Study of solar energy driven electric vehicle with lead acid battery	4	8	8	8	7	4	39		
74	17911A0220										
75	17911A0247										
76	17911A0242										
77	17911A02A0	Design of battery charging technology for electric vehicles and grid integration	4	10	10	9	9	4	46	B4	
78	17911A0296										
79	17911A0298										
80	17911A0282										
81	17911A02A2	Speed control of BLDC motor for electrical vehicles	4	10	9	9	9	4	45	B5	
82	17911A0230										
83	17911A0241										
84	17911A0280										
85	17911A0294	Design and Assessment of Battery Electric Vehicle Power train,	4	8	7	8	7	4	38		

86	17911A0291	with Respect to Performance, Energy Consumption, and Electric Motor Thermal Capability								
87	18915A0242									
88	17911A0271									
89	18915A0232	RFID based Shopping Trolley	4	7	7	7	8	4	37	
90	18915A0225									
91	17911A0277									
92	18915A0230	CV SAG SENSOR	4	7	7	7	7	4	36	
93	17911A0244									
94	18915A0234									
95	17911A0243									
96	17911A0237	RFID Based Intelligent Bus Transport Management and Monitoring System	4	8	7	8	7	4	38	
97	18915A0206									
98	18915A0207									
99	16911A0289	Garbage Monitoring System Using IOT	4	8	8	8	7	4	39	
100	18915A0209									
101	17911A0240									
102	17911A0205									
103	18915A0221	Hybrid Solar wind energy system with dual axis solar tracking	4	8	7	8	7	4	38	
104	18915A0204									
105	17911A0234									
106	18915A0213									
107	17911A0218	Minimizing penalty in industrial power consumption by engaging APFC unit	4	8	8	8	7	4	39	
108	17911A0261									
109	16911A0239									
110	17911A0221	IOT based remote prepaid car parking system using RFID	4	8	7	8	7	4	38	
111	18915A0220									
112	17911A0206									
113	17911A0225									
114	17911A0227									
115	16911A0232									
116	16911A0217									

117	17911A0275	Design and Development of Energy Management System for small scale hybrid wind solar battery based Micro Grid	4	9	8	8	8	4	41	
118	17911A0279									
119	17911A0270									
120	17911A0257									
121	17911A0259	Design of Solar Cooker for different cooking applications	5	10	10	9	9	4	47	B3
122	17911A0286									
123	17911A0288									
124	18915A0241	High Performance Cascaded Multilevel Inverter fed Brush less DC Motor Drive	4	8	8	8	7	4	39	
125	17911A0256									
126	16911A0242									
127	16911A0206									

Rubrics	Description	Marks
RB-I	Literature Survey on the innovations in technology applicable to the area chosen	5
RB-II	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness	10
R-III	Relevance of the Area chosen with societal Problems and Eco-friendly solutions	10
RB-IV	Theoretical Analysis / Experimental Observation with ethical values	10
RB-V	Implementation, Presentation of Results & Discussion	10
RB-VI	Conclusions and scope for future work	5

Working proto types and best projects for the academic year is given below

Academic Year: 2020-2021

S.No	Roll no	Name of the Guide	Title of the project
1	17911A0202	Dr.A.Srujana	Design and development of suitable electric vehicle motor for urban transportation
	17911A0248		
	17911A0228		
	17911A0201		
2	17911A0232	Mr.B.Sudhakar Reddy	Simulation of solar powered electrical vehicle
	17911A0233		
	17911A0245		
	18915A0222		
3	17911A0216	Dr.A.Srujana	Design of Solar Cooker for different Cooking Applications
	17911A0220		
	17911A0247		
	17911A0242		
4	17911A02A0	Mr.B.Rajesh	Design of battery charging technology and grid integration
	17911A0296		
	17911A0298		
	17911A0282		
5	17911A02A2	Mrs.V.Vijaya Lakshmi	Speed control of BLDC motor for electrical vehicles
	17911A0230		
	17911A0241		
	17911A0280		

Academic Year: 2019-2020

S.No	Roll no	Name of the Guide	Title of the project
1	16911A0205	Mr.B.Sudhakar Reddy	GenZe - Zero Electric Bike
	16911A0208		
	16911A0226		
	16911A0243		
2	16911A0252	Dr.A.Srujana	IOT based Power Management and controlled socket
	16911A0254		
	16911A0270		
	16911A0286		
3	16911A0202	Mr.D.Srinivas	UPFC with Capacitive Bank Filter and Analysis using MATLAB
	17915A0203		
	17915A0210		
	17915A0219		
4	16911A0251	Dr.C.N.Ravi	Energy audit for VJIT
	16911A0257		
	16911A0260		
	16911A0275		
5	16911A0203	Mrs.S.Chaitanya	LABVIEW based stepper motor control using ARDUINO
	16911A0268		
	17915A0202		

Academic Year: 2018-2019

S.No	Roll no	Name of the Guide	Title of the project
1	15911A0213	Mr.K.Satish Kumar	ARDUINO based autonomous fire fighting ROBOT
	15911A0216		
	15911A0236		

2	15911A0260	Dr.C.N.Ravi	IoT Based Foot Step Power Generation System with Mobile Charger
	15911A0265		
	15911A0283		
	15911A0297		
3	15911A02A0	Dr. B.G.Reddy	DC Motor Speed Synchronizaiton on Rolling Mills
	15911A0267		
	15911A0269		
	15911A02A1		
4	15911A0277	Dr.S.Siva Prasad	Performance and analysis of three phase 11 level inverter with reduced number of switches using different PWM techniques
	15911A02A2		
	14911A0259		
	13911A0243		
5	15911A0208	Mr.P.Nageswara Rao	Induction Motor Driven Solar Water Pumping System
	15911A0241		
	15911A0256		

Evidences of papers published (3M)

STUDENT PAPER PUBLICATIONS

S.No	Academic year	Publications
1	2020-21	17
2	2019-20	13
3	2018-19	38

2.2.4. Initiatives related to Industry Interaction (10)

The department of EEE has established Industry Institute Interaction Cell (IIIC) to improve the interaction with the industry. The objective of IIIC is

- To explore and identify common avenues of interaction with industry as per the requirements of the institution

- To promote closer interaction between the academic field and the professional field
- To find out the gap between need of the industry and end product of the institute

The members of the IIC are

- Dr. A. Srujana – HOD, EEE
- Dr. G. Madhusudhana Rao – Coordinator, EEE
- Dr. D. B. G. Reddy – Coordinator, EEE

The main functions of the IIC are listed below,

- To assist the Department in organizing workshops, conferences and symposia with joint participation of the industries
- Encouraging Engineers from industries to visit the department to deliver lectures
- Participation of experts from industries in curriculum development
- To organize industrial visits for Faculty members and students
- To encourage Faculty members to use their expertise in solving the problems faced by the industries, thus creating opportunity for consultancy
- To strengthen Alumni relations
- Memorandum of Understanding between the department and industries to bring the two sides emotionally and strategically closer

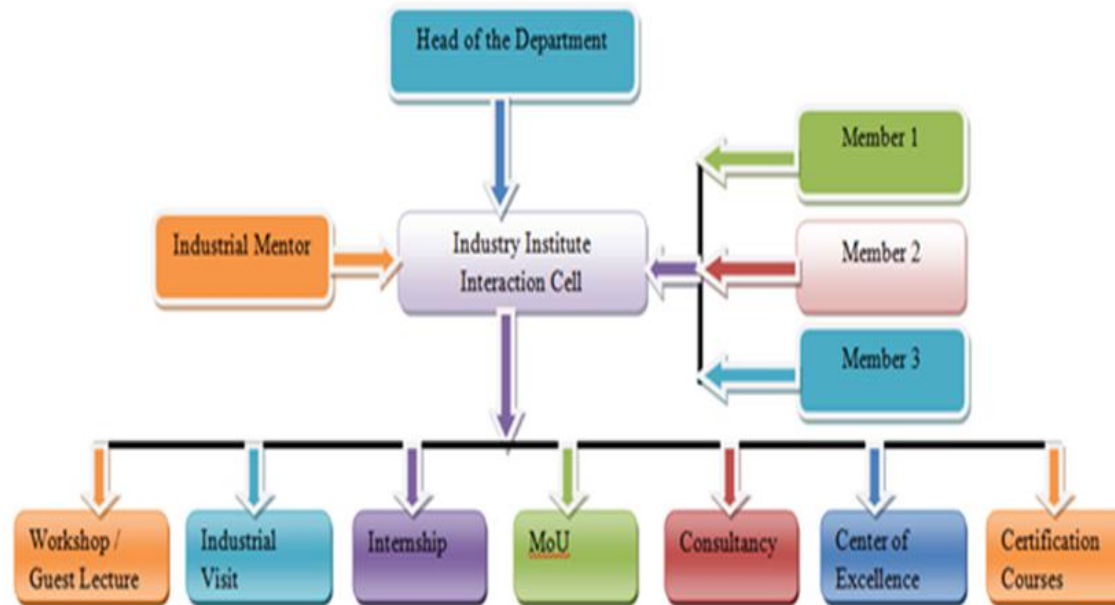


Figure 2.2.4: Industry Institute Interaction Cell

To strengthen interaction with industries and to keep our students updated with the latest trends in industries, the department had entered into an agreement with the following companies and organizations. Industry interactions helped the students to acquire practical knowledge. So in order to improve the technical abilities various industry-institute collaborative activities are carried out in the department.

Table B. 2.2.4 (a) Industry Supported Laboratories

S.No	Name of the Laboratory	Industry Collaboration	Activity	Beneficiary	PO/PSO Mapping
1	NI LAB	NILABVIEW Academy	Value Added Training	25	PO1,PO2,PO3, PO5,PO6,PO9,PO11,PSO1,PSO2
2	CISCO laboratory	CISCO	Value Added Training Program	42	PO1,PO2,PO3, PO5,PO6,PO9,PO11,PSO1,PSO2

Industry involvement in program design and curriculum

Table 2.2.4 (b) Industry involvement in program design and curriculum

S.No	Name of the expert from industry	Nature of Association	Suggestions given and implemented
1	Mr. P. Chow Reddy, Managing Director, Interleaved Multidisciplinary Research Centre	Member of BOS	Suggested to provide Electric Vehicle subject in professional elective. The suggestion is implemented in R18 syllabus
2	Dr.A.R.M.Vani, Assistant Engineer TSSPDCL,S.R.Nagar, Hyderabad	Member of DAB	DAB members are suggested to conduct guest lectures for students to improve results The suggestion is implemented by conducting webinars for students

Table B. 2.2.4 (c) Beneficiary Activities under MOU's

S.No	Name of the MOU Partner	Year	Outcome
1.	KG MECH Electro –Mechanical Pvt.Ltd	2020	Internship , Training & Project work for the students
2.	HIIT-Power Transformer manufacturing	2019	Internship ,Training & Project work for the students
3.	Link Buffer Studios	2016	Internship ,Training & Project work for the students
4.	Profuse Energy & Infrastructure (p) LTD.	2019	Internship ,Training & Project work for the students
5.	Sapient systems.	2019	Internship ,Training & Project work for the students
6.	Hyderabad Institute of Electrical Engineers (HIEE).	2019	Internship ,Training & Project work for the students
7.	Metro nix.	2019	Internship ,Training & Project work for the students
8.	ECI Engineering and Construction.	2016	Internship ,Training & Project work for the students
9.	Balaji Electrical and Engineering works.	2016	Internship ,Training & Project work for the students
10.	VEGA Solar Energy Private Ltd	2016	Internship ,Training & Project work for the students
11.	AVGHNI Renewable Energy Indian Pvt. Ltd.	2016	Internship ,Training & Project work for the students
12.	Vasavi Electricals.	2016	Internship ,Training & Project work for the students
13.	CYME Automation Systems Pvt.Ltd	2016	Internship ,Training & Project work for the students

Table B. 2.2.4 (d) Value Added Training Program in Collaboration with Industry

List of value added courses which are optional and offered outside the curriculum

Academic Year: 2019-20

S. No.	Name of the value added courses	Supported POs	Supported PSOs
1	Earthing and Grounding Practices	PO1, PO2, PO3, PO6, PO7, PO8	PSO1
2	Internet of Things	PO1, PO2, PO3, PO5, PO6, PO7, PO8	PSO1, PSO2
3	SCILAB (IIT Bombay - Spoken Tutorial Project)	PO1, PO2, PO5	PSO2
4	Arduino (IIT Bombay - Spoken Tutorial Project)	PO1, PO2, PO5	PSO2

Academic Year: 2018-19

S. No.	Name of the value added courses	Supported POs	Supported PSOs
1	Earthing and Grounding Practices	PO1, PO2, PO3, PO6, PO7, PO8	PSO1
2	Internet of Things	PO1, PO2, PO3, PO5, PO6, PO7, PO8	PSO1, PSO2
3	PLC Programming	PO1, PO2, PO5	PSO1, PSO2

Academic Year: 2017-18

S. No.	Name of the value added courses	Supported POs	Supported PSOs
1	Basics of Electrical Vehicles	PO1, PO2, PO4, PO6, PO7, PO8	PSO1, PSO2
2	Electrical Smart Grids	PO1, PO2, PO3, PO4, PO5, PO6, PO8	PSO1, PSO2

**Table B. 2.2.4 (e) Workshop/Seminar Organized in collaboration with Industry for students
Academic Year 2020-2021**

S. No	Date	Program	Title of the Program	Industry Collaboration	Supported POs	Supported PSOs
1	16 th April 2021 & 17 th April 2021	2 Days	Substation Erection	Hyderabad Institute of Electrical Engineering (HIEE), Hyderabad	PO1-PO11	PSO1
2	27 th May 2021 to 29 th May 2021	3 Days	Energy Auditing	Gayatri Energy Services, Hyderabad	PO1-PO11	PSO1
3	16 th July 2021 & 17 th July 2021	2 Days	HVAC Systems	KG Mech, Hyderabad	PO1-PO11	PSO1

Academic Year 2019-2020

S. No	Date	Program	Title of the Program	Industry Collaboration	Supported POs	Supported PSOs
1	21 st Nov 2019 to 23 rd Nov 2019	3 Days	Lean Process In Various Industries	Lean Technocrats, Hyderabad	PO1-PO12	PSO1, PSO2
2	7 th Feb 2020 & 8 th Feb 2020	2 Days	Demand Side Management Techniques	PROFUSE Energy & Infrastructure (P) LTD, HYD.	PO1-PO12	PSO1, PSO2

Academic Year 2018-2019

S. No	Date	Program	Title of the Program	Industry Collaboration	Supported POs	Supported PSOs
1	1 st Nov 2018 to 3 rd Nov 2018	3 Days	Types of Alternator windings	Balaji Electrical and Engineering Works, Hyderabad	PO1-PO8	PSO1
2	1 st Feb 2019 & 2 nd Feb 2019	2 Days	Harvesting solar energy in various forms.	VEGA Solar Energy Private Ltd, Hyderabad	PO1-PO12	PSO1, PSO2

Table B. 2.2.4 (f) Guest lectures by various industry experts for partial delivery of the courses**Academic Year: 2020-21**

S. No	Event Name	Date	Supported POs	Supported PSOs
1	A three day online workshop on simulation tools for Electrical engineering applications	22nd July-24th July 2020	PO1-PO12	PSO1, PSO2
2	A Webinar on Modern Control Techniques and design of Electric Vehicles	3rd October ,2020	PO1, PO2, PO4, PO6, PO7, PO8	PSO2
3	A Webinar on Electrical Vehicle Design and Manufacturing	7 th May,2021	PO1, PO2, PO4, PO6, PO7, PO8	PSO1
4	A Three Day Online workshop on Electrical Vehicles	8 th April -10 th April 2021	PO1, PO2, PO4, PO6, PO7, PO8	PSO1
5	A Webinar on Power Semiconductor Technology	25 th March 2021	PO1, PO2, PO4, PO6, PO7, PO8	PSO1
6	A Webinar on Renewable Sector in India	24th April 2021	PO1-PO12	PSO1

7	A Webinar on Universal Human Values (Role of Education)	23rd April,2021	PO6, PO7, PO8, PO12	PSO1
8	A Webinar on Importance of Transmission line in Vertically Integrated and Deregulated Power systems	7th May,2021	PO1-PO12	PSO1, PSO2
9	A Webinar on Motivation Towards Success	8th May 2021	PO6, PO7, PO8, PO12	
11	Virtual Site visit on Rooftop Solar PV Plant (II Year)	26 th December 2021	PO1-PO12	PSO1, PSO2
12	Virtual tour to Switchgear panel Manufacturing (III & IV Year)	24 th July 2021	PO1-PO12	PSO1, PSO2

Academic Year: 2019-20

S. No	Event Name	Date	Supported POs	Supported PSOs
1	A National Level Webinar on Smart Grid Automation	6th October,2020	PO1, PO2, PO3, PO4, PO5, PO6, PO8	PSO1
2	A Webinar on Modern Control Techniques and design of Electric Vehicles	3rd October ,2020	PO1-PO8	PSO1
3	A Webinar on Power Quality in Micro grid	23 rd September ,2020	PO1, PO2, PO3, PO4, PO5, PO6, PO8	PSO1
4	A Webinar on Digital Transformation in TSGENCO	15th September,2020	PO1, PO2, PO3, PO4, PO5, PO6, PO8	PSO1
5	A National Webinar on Energy Billing Systems and Energy Conservation	2nd July 2020	PO1, PO2, PO3, PO4, PO5, PO6, PO8	PSO1
6	Guest Lecture on Substations (Erection of Power Transformers)	2nd February ,2020	PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO9, PO10, PO11	PSO1
7	Guest Lecture on RES	21st December,2019	PO1-PO12	PSO1, PSO2

8	Faraday's Memorial Lectures	21 st September,2019	PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO9, PO10, PO11	PSO1
9	A Two day workshop on ML and its applications	4 th September -5 th September 2019	PO1, PO2, PO3, PO5	PSO1
10	Guest Lecture on Power Systems Applications and High Voltage Engineering	26th June,2019	PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO9, PO10, PO11	PSO1, PSO2
11	Guest Lecture on opportunities to Electrical Engineering	24th June,2019	PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO9, PO10, PO11	PSO1, PSO2
12	A Webinar on Modern Control Techniques and design of Electric Vehicles	3rd October ,2020	PO1-PO8	PSO1
13	A Webinar on IOT Applications in Electrical Engineering	30th September,2020	PO1-PO8	PSO1
14	A One day workshop on hands on training to assemble LED bulbs	14 th December, 2019	PO1-PO8	PSO1
15	Guest Lecture on Career Opportunities in EEE	2nd February,2020	PO1-PO12	PSO1, PSO2
16	Guest Lecture on Internship	21st January,2020	PO1-PO12	PSO1, PSO2
17	Industrial Visit : Bharat Heavy Electrical Limited, Hyderabad(II YEAR)	3 rd Aug 2019	PO1-PO12	PSO1, PSO2
18	Industrial Visit: Shankarpally 400KV Sub-Station (III YEAR)	11 th Sep 2019 & 13 th Sep 2019	PO1-PO12	PSO1, PSO2
19	Industrial Visit: CPRI (IV YEAR)	05 th Aug 2019	PO1-PO12	PSO1, PSO2
20	Industrial Visit: Shankarpally 400KV Sub-Station (II YEAR)	6 th Mar 2020 & 07 th Mar 2020	PO1-PO12	PSO1, PSO2
21	Industrial Visit: VTPS, Vijayawada (III YEAR & IV Year)	20 th Feb 2020	PO1-PO12	PSO1, PSO2

Academic Year: 2018-19

S. No	Event Name	Date	Supported POs	Supported PSOs
1	Guest Lecture on opportunities to Electrical Engineering	24th June,2019	PO1-PO12	PSO1, PSO2
2	Guest Lecture on Power Systems and Industrial Applications	25th October 2019	PO1-PO8	PSO1
3	Guest Lecture on Switch Gear and Protection	2nd February,2019	PO1-PO8	PSO1
4	National Conference on Evolutionary Computing Applications to Electrical Engineering	2nd and 3rd May 2019	PO1-PO12	PSO1, PSO2
5	A Two Day Workshop on Energy Conservation and auditing	12 th August -14 th August 2019	PO1-PO12	PSO1, PSO2
6	Guest Lecture on SCADA	25 th June 2019	PO1-PO8	PSO1
7	Guest Lecture on Opportunities in Electrical Engineering and Personality Development	14th February 2019	PO1-PO5	PSO1
8	Industrial Visit : KRK Power PVT Ltd (II YEAR)	31 st Aug 2018	PO1-PO12	PSO1, PSO2
9	Industrial Visit : Bharat Heavy Electrical Limited, Hyderabad (III YEAR)	6 th Aug 2018	PO1-PO12	PSO1, PSO2
10	Industrial Visit : CPRI (IV YEAR)	11 th Aug 2018	PO1-PO12	PSO1, PSO2
11	Industrial Visit: Visit to Srisailem Power House (II & IV YEAR)	2 nd Feb 2019	PO1-PO12	PSO1, PSO2
12	Industrial Visit :Shankarpally 400KV Sub-Station (III YEAR)	8 th Mar 2019 & 9 th Mar 2019	PO1-PO12	PSO1, PSO2

Table B 2.2.4 (g) Impact Analysis of Industry Institute Interaction

Initiative	Implementation	Impact Analysis
Industry-Institute Interaction	Arranging Guest Lectures, Workshop and Value-added training to students inside the college with different industrial Experts	<ol style="list-style-type: none"> 1. Students are exposed to real time practical experience of the subjects studied in the class room and realized the practical importance of the subjects 2. Industrial training improves more interest in the subjects. 3. Student's technical skills have improved 4. Student's placement has improved 5. Students will explore the internship outcomes in terms of innovative projects. 6. Network with professionals in the field

2.2.5. Initiatives related to Industry Internship/Summer Training (10)**INDUSTRIAL INTERNSHIP:**

The students are encouraged to take up internship programs during their semester break. Faculty gives guidelines, suggestions, scope and contact details of an internship. They also helped the students by interacting with the industrial experts, provide the students recommendation letters and other necessary support. The alumni coordinator constantly interacts with alumni working in the industries and requests them to provide necessary support for internship.

At the beginning of the semester, a circular will be issued to the III B.Tech. II semester students to apply for the internship in the industries. Faculty will share the contacts of the alumni/personnel working in the industry which will help the students to get permission to complete the internship.

Implementation details:**Table 2.2.5 (a) Industrial Internship****Academic Year: 2020-2021**

S.No	Roll.No	Name of The Student	Name of The Company	From Date	To Date	Duration
1	16911A0223	B.Sireesha	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
2	16911A0263	G Akhilesh	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
3	17911A0204	Arrola Shashikanth	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks

4	17911A0217	Gopa Vigneshwar	VI solutions	17/05/2021	12/6/2021	4 weeks
5	17911A0223	Kotte Venkat Akhil	VI solutions	17/05/2021	12/6/2021	4 weeks
6	17911A0250	Marepally Rajavardhan Reddy	VI solutions	17/05/2021	12/6/2021	4 weeks
7	17911A0251	Amgoth Shirisha	VI solutions	17/05/2021	12/6/2021	4 weeks
8	17911A0292	P.Laxman	VI solutions	17/05/2021	12/6/2021	4 weeks
9	17911A0293	Pendyala Balaji	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
10	18911A0201	Anirudh Soni	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
11	18911A0202	Bandi Aditya	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
12	18911A0203	Bandi Praneeth	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
13	18911A0204	Bhukya Pranay Naik	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
14	18911A0205	Chakravadhanula Sirish Dhaveji	VI solutions	10/5/2021	11/6/2021	5weeks
15	18911A0206	Chandankare Divya	VI solutions	10/5/2021	11/6/2021	5weeks
16	18911A0208	Dangeti Tarun	VI solutions	10/5/2021	11/6/2021	5weeks
17	18911A0209	Dasi Geethika	VI solutions	10/5/2021	11/6/2021	5weeks
18	18911A0210	Desham Akhil Reddy	VI solutions	10/5/2021	11/6/2021	5weeks
19	18911A0211	Dev Kumar Jaiswal	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
20	18911A0212	Enigala Gunateja	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
21	18911A0213	Gangi Sharadha	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
22	18911A0214	Ganthi Sahithi	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
23	18911A0215	Guguloth Ramdas	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
24	18911A0216	Janga Charanya	VI solutions	17/05/2021	12/6/2021	4 weeks
25	18911A0218	K S Keshava Rao	VI solutions	17/05/2021	12/6/2021	4 weeks
26	18911A0219	Kamasani Shyam Kumar	VI solutions	17/05/2021	12/6/2021	4 weeks
27	18911A0220	Kareti Pavankumar	VI solutions	17/05/2021	12/6/2021	4 weeks
28	18911A0221	Khwaja Sohail Ahmed	VI solutions	17/05/2021	12/6/2021	4 weeks
29	18911A0223	Kondoju Prasanna	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
30	18911A0224	Mabbu Saimanitharun	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
31	18911A0225	Mandiga Naveen	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
32	18911A0226	Matam Vignesh	VI solutions	10/5/2021	11/6/2021	5weeks
33	18911A0227	Mohammed Abdul Kareem	VI solutions	10/5/2021	11/6/2021	5weeks
34	18911A0228	Mohammed Ahmed Baig	VI solutions	10/5/2021	11/6/2021	5weeks

35	18911A0230	Mudelli Chandra Vamshi Reddy	VI solutions	10/5/2021	11/6/2021	5weeks
36	18911A0231	Mushanolla Shivani	VI solutions	10/5/2021	11/6/2021	5weeks
37	18911A0232	Naidu Mohannaga Vamsi	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
38	18911A0234	Nama Lakshmi	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
39	18911A0237	Nikhil Bansal	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
40	18911A0238	P Venkata Sandeep Reddy	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
41	18911A0240	Parvataneni Jaya Sindhu Sai	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
42	18911A0241	Rachamalla Manasa	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
43	18911A0242	Reddy Saisushma Tanguturi	Exposys Data Labs	4/3/2021	25/03/2021	3 weeks
44	18911A0243	Sabavat Sachin	VI solutions	10/5/2021	11/6/2021	5weeks
45	18911A0245	Sidduluri Vanaja	VI solutions	10/5/2021	11/6/2021	5weeks
46	18911A0246	Sivaraju Naga Sri Gowri	VI solutions	10/5/2021	11/6/2021	5weeks
47	18911A0247	Subburu Sai Kumar	VI solutions	10/5/2021	11/6/2021	5weeks
48	18911A0248	Tammali Akhil Kumar	VI solutions	10/5/2021	11/6/2021	5weeks
49	18911A0249	Thaviti Reddy Sunil Chandra	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
50	18911A0250	Thota Nikhitha	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
51	18911A0252	Vishnumolakala Deva Harsha	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
52	18911A0254	Belley Mahesh	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
53	18911A0255	Boda Sowjanya	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
54	18911A0256	Chava Naga Vardhan	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
55	18911A0257	Chelakalapelly Sanjay	Vardhan Consulting Engineers	15/03/2021	3/4/2021	3 weeks
56	18911A0258	Chintapalli Samara Simha Reddy	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
57	18911A0259	Chukka Akanksha	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
58	18911A0260	Daravath Linga	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
59	18911A0261	Dharmasagaram Sumanth Kumar	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
60	18911A0262	E Haritha	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
61	18911A0263	Gaini Sai Kiran	skillDzire	5/4/2021	1/5/2021	4 weeks
62	18911A0264	Gali Brahma Reddy	skillDzire	5/4/2021	1/5/2021	4 weeks
63	18911A0265	Goundla Sriilekha	skillDzire	5/4/2021	1/5/2021	4 weeks
64	18911A0266	Gudupally Ashwith Reddy	skillDzire	5/4/2021	1/5/2021	4 weeks
65	18911A0267	Inala Sai Ram	skillDzire	5/4/2021	1/5/2021	4 weeks

66	18911A0268	Janak Urmisha Reddy	Smart knower	1/5/2021	30/06/2021	8 weeks
67	18911A0269	K Tejal	Smart knower	1/5/2021	30/06/2021	8 weeks
68	18911A0270	Kamepalli Likhith Sai Chandra	Smart knower	1/5/2021	30/06/2021	8 weeks
69	18911A0271	Karre Mounika	Smart knower	1/5/2021	30/06/2021	8 weeks
70	18911A0272	Koppula Prashanth Reddy	Smart knower	1/5/2021	30/06/2021	8 weeks
71	18911A0273	Korivi Narsing Sai Kiran	Smart knower	1/5/2021	30/06/2021	8 weeks
72	18911A0275	Kurukuntla Venu Sagar	Smart knower	1/5/2021	30/06/2021	8 weeks
73	18911A0277	Manne Shivakumar	Smart knower	1/5/2021	30/06/2021	8 weeks
74	18911A0278	Md Muzammil Hussain	Smart knower	1/5/2021	30/06/2021	8 weeks
75	18911A0281	Mudavath Naresh	Smart knower	1/5/2021	30/06/2021	8 weeks
76	18911A0282	Munugala Vineetha	skillDzire	5/4/2021	1/5/2021	4 weeks
77	18911A0283	N Shishir Reddy	skillDzire	5/4/2021	1/5/2021	4 weeks
78	18911A0284	Nandyala Swetha	skillDzire	5/4/2021	1/5/2021	4 weeks
79	18911A0285	P Juhitha Reddy	skillDzire	5/4/2021	1/5/2021	4 weeks
80	18911A0286	P Micheal Joseph	skillDzire	5/4/2021	1/5/2021	4 weeks
81	18911A0287	Pasuladi Manisha	Hyderabad institute of electrical engineers	3/5/2021	15/05/2021	2 weeks
82	18911A0288	Patlolla Supriya	Hyderabad institute of electrical engineers	3/6/2021	15/05/2022	2 weeks
83	18911A0289	Peddolla Dinesh Karthik	Hyderabad institute of electrical engineers	3/5/2021	15/05/2021	2 weeks
84	18911A0290	Pogaku Varalakshmi	Hyderabad institute of electrical engineers	3/6/2021	15/05/2022	2 weeks
85	18911A0291	Pothiganti Mounika Reddy	Hyderabad institute of electrical engineers	3/5/2021	15/05/2021	2 weeks
86	18911A0292	Pothula Sai Pranavi	Hyderabad institute of electrical engineers	3/6/2021	15/05/2022	2 weeks
87	18911A0293	Puntikura Rohini	Hyderabad institute of electrical engineers	3/5/2021	15/05/2021	2 weeks
88	18911A0294	R Akshay Kumar	Hyderabad institute of electrical engineers	3/6/2021	15/05/2022	2 weeks
89	18911A0295	Rajesh Janampeta	skillDzire	5/4/2021	1/5/2021	4 weeks
90	18911A0298	Samhitha Sampath	skillDzire	5/4/2021	1/5/2021	4 weeks
91	18911A0299	Seetharampally Aravind Reddy	skillDzire	5/4/2021	1/5/2021	4 weeks
92	18911A02A0	Shubham Maroo	skillDzire	5/4/2021	1/5/2021	4 weeks
93	18911A02A1	Siddavaram Sravan	skillDzire	5/4/2021	1/5/2021	4 weeks
94	18911A02A3	Toorpu Pratyusha	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
95	18911A02A4	Vaddepelly Rohith	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
96	18911A02A5	Vorusu Vamshi	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks

97	18911A02A6	Yalagala Hari Krishna	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
98	18915A0216	K Praneeth	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
99	19915A0201	A Saikishore Reddy	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
100	19915A0202	Arva Arun Kumar	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
101	19915A0203	B Manjula	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
102	19915A0204	Badepally Sai Ganesh	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
103	19915A0205	C Kalyansagar	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
104	19915A0206	Mdmusthafamaveeyamaaza	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
105	19915A0207	Gurrala Shashikumar	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
106	19915A0208	Kona Sai Kumar	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
107	19915A0209	Katam Harshavardhan	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
108	19915A0210	Kuna Ramya	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
109	19915A0211	Lakum Keshini	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
110	19915A0212	M Ashrita	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
111	19915A0213	M Rajesh	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
112	19915A0214	Mangali Sai Kumar	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
113	19915A0215	M Shiva Vara Prasad	TSV Engineering services PVT. Ltd.	26/04/2021	22/05/2021	4 weeks
114	19915A0216	Merugu Pavan Kumar	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
115	19915A0217	Motapalukula Vamshi Krishna	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
116	19915A0218	Nathi Ram Kiran	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
117	19915A0219	N Somashekar	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
118	19915A0220	Pathuri Anjani Reddy	Vardhan Consulting Engineers	5/4/2021	24/04/2021	3 weeks
119	19915A0221	Polaji Sanjay	Hyderabad institute of electrical engineers	3/5/2021	15/05/2021	2 weeks
120	19915A0222	P Santosh	Hyderabad institute of electrical engineers	3/6/2021	15/05/2022	3 weeks
121	19915A0223	Putta Priyanka	skillDzire	5/4/2021	1/5/2021	4 weeks
122	19915A0224	S Jashwanth Kumar	skillDzire	5/4/2021	1/5/2021	4 weeks
123	19915A0225	V Rajeshkumar Reddy	skillDzire	5/4/2021	1/5/2021	4 weeks
124	19915A0226	Vangala Sai Ganesh Reddy	skillDzire	5/4/2021	1/5/2021	4 weeks
125	19915A0227	Veeraboina Sandeep	skillDzire	5/4/2021	1/5/2021	4 weeks

Academic Year: 2019-2020

S. No	Roll No.	Name of the student	Name of the Company	From Date	To Date	Duration
1	17911A0201	A Joshna	Stem Robomatrix	1/1/2021	15/02/2021	45days
2	17911A0202	A Sai Charan	Tsspdcl	17/01/2021	16/02/2021	30days
3	17911A0203	Aashish Kumar	Vi Solutions	28/12/2020	29/01/2021	30days
4	17911A0205	B Krishna Chaitanya	Softwayz It Solutions	28/12/2020	29/01/2021	30days
5	17911A0206	B Vishal Pawar	Softwayz It Solutions	28/12/2020	29/01/2021	30days
6	17911A0209	Bandagonda Siri	Vi Solutions	28/12/2020	29/01/2021	30days
7	17911A0212	Bhupathi Soumya	Vi Solutions	28/12/2020	29/01/2021	30days
8	17911A0214	Byri Saikiran	Tsv Engineering Services Pvt Ltd	1/7/2020	16/08/2020	45 days
9	17911A0215	D Prathibha	Vardhan Consulting Engineers	1/7/2020	16/08/2021	45days
10	17911A0216	Dubba Anil Sai	Stem Robomatrix	12/1/2020	15/01/2021	45days
11	17911A0218	Gudipudi Navya Sri	Vi Solutions	28/12/2020	29/01/2021	30days
12	17911A0219	Hastepuram Namritha Reddy	Vi Solutions	28/12/2020	29/01/2021	30days
13	17911A0220	Jivilikapalli Praveen Kumar	Tsspdcl	17/01/2021	16/02/2021	30days
14	17911A0221	Kamsali Manoj	Stem Robomatrix	1/01/2021	15/02/2021	45days
15	17911A0222	Kanapuram Mounika	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
16	17911A0224	Lokesh Kumar Lohia	Vi Solutions	28/12/2020	29/01/2021	30days
17	17911A0225	Manchali Krishna Yadav	Vi Solutions	30/11/2020	5/1/2021	35days
18	17911A0226	Mayara Shiva Krishna	Vi Solutions	28/12/2020	29/01/2021	30days
19	17911A0227	Mekanaboina Manoj	Vi Solutions	30/11/2020	5/1/2021	35days
20	17911A0228	Metlugari Dayakar	Enrunindia	15/2/2021	15/03/2021	30days
21	17911A0230	N Anil Kumar	Tsspdcl	17/01/2021	16/02/2021	30days
22	17911A0231	Nakkala Chandana	Exposys Data Labs	4/3/2021	25/03/2021	20days
23	17911A0232	Nemmani Ruthvik Varma	Vi Solutions	30/11/2020	5/1/2021	35days
24	17911A0233	Nitta Dimbadhara Rao	Vi Solutions	30/11/2020	5/1/2021	35days
25	17911A0234	Pedapaga Carey Israel	Vi Solutions	28/12/2020	29/01/2021	30days
26	17911A0236	Pogalla Gouthami	Vardhan Consulting Engineers	5/1/2021	6/2/2021	30days
27	17911A0237	S Srineeja	Vi Solutions	28/12/2020	29/01/2021	30days
28	17911A0238	Samaleti Hima Bindu	Exposys Data Labs	10/8/2020	9/9/2020	30days
29	17911A0239	Sankula Sravya	Vardhan Consulting Engineers	1/7/2020	16/08/2021	45days

30	17911A0240	Sureddy Navitha Reddy	Vardhan Consulting Engineers	1/7/2020	30/09/2020	60days
31	17911A0241	Thagaram Sai Siddardha	Enrunindia	15/2/2021	15/03/2021	30days
32	17911A0242	Thallapelli Sai Pranay	Enrunindia	15/2/2021	15/03/2022	30days
33	17911A0247	Vummenthala Sai Pranay Reddy	Tsspdcl	17/01/2021	16/02/2021	30days
34	17911A0248	Y Sai Raghunath	Enrunindia	15/2/2021	15/03/201	30days
35	17911A0249	Yeruva Saiteja	Exposys Data Labs	10/8/2020	9/9/2020	30days
36	18915A0203	Barmavath Bharath	Vardhan Consulting Engineers	4/1/2021	21/02/2021	45days
37	18915A0204	Bhukya Harika	Softwayz It Solutions	28/12/2020	29/01/2021	30days
38	18915A0205	Chintham Anusha	Exposys Data Labs	4/3/2021	23/03/2021	20days
39	18915A0206	D N V Tarun Niranjana	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
40	18915A0207	Damerashetti Vinay	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
41	18915A0208	Danam Naveen	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
42	18915A0209	Dharavath Venkatesh Naik	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
43	18915A0210	Dikonda Nachikethan	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
44	18915A0211	Gaddameedi Vinaykumar	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
45	18915A0212	Gajjela Yella Reddy	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
46	18915A0213	Gurram Anil Kumar	Vi Solutions	28/12/2020	29/01/2021	30days
47	18915A0215	K Jhansi Rani	Exposys Data Labs	4/3/2021	23/03/2021	20days
48	18915A0217	K.Nitisha Sreelatha	Vardhan Consulting Engineers	4/1/2021	21/02/2021	45days
49	18915A0219	Kanchu Sai Koushik	Vardhan Consulting Engineers	1/7/2020	16/8/2020	45days
50	18915A0220	Kathi Abhishek	Stem Robomatrix	1/1/2021	15/02/2021	45days
51	18915A0221	Kesari Aravind Reddy	Vi Solutions	28/12/2020	29/01/2021	30days
52	18915A0222	Kommarajula Venumadhav	Stem Robomatrix	12/1/2020	15/01/2021	45days
53	16911A0206	Belley Satish	Stem Robomatrix	1/1/2021	15/02/2021	45days
54	16911A0239	Nikhil Isaac M	Stem Robomatrix	1/1/2021	15/02/2021	45days
55	16911A0289	R Shiva Charan	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
56	17911A0252	Bejjanki Lavanya	Vi Solutions	28/12/2020	29/01/2021	30days
57	17911A0253	Bingi Naresh	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
58	17911A0254	Boda Vamshi	Vardhan Consulting Engineers	7/14/2020	28/7/2020	15days
59	17911A0255	Challapur Susmitha Goud	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
60	17911A0257	C. Sai Eshwar Reddy	Vi Solutions	28/12/2020	29/01/2021	30days

61	17911A0258	Chinthapanti Priyanka	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
62	17911A0260	Dommeti Radha Keerthi	Vi Solutions	28/12/2020	29/01/2021	30days
63	17911A0261	Durgam Sai Kumar	Vi Solutions	28/12/2020	29/01/2021	30days
64	17911A0262	G Anantharamulu	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
65	17911A0263	Gattu Tharun Kumar	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
66	17911A0264	Gayatri Dharamkar	Vi Solutions	9/21/2020	23/10/2020	30days
67	17911A0265	Gopal Jha	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
68	17911A0266	J Yeshaswini	Tsv Engineering Services Pvt Ltd	15/11/2020	30/12/2020	45days
69	17911A0267	Jadala Madhulatha	Vardhan Consulting Engineers	7/14/2020	28/07/2020	15days
70	17911A0268	Juveriya Samreen	Vi Solutions	28/12/2020	29/01/2020	30days
71	17911A0269	Kairam Konda Pranathi	Galaxy Sun Power Systems	10/9/2020	10/10/2020	30days
72	17911A0270	Kakularam Rahul	Vi Solutions	28/12/2020	29/01/2021	30days
73	17911A0271	Kappala Srinivas	Vi Solutions	28/12/2020	29/01/201	30days
74	17911A0272	Katla Sannith Kumar	Vardhan Consulting Engineers	14/7/2020	28/07/2020	15days
75	17911A0274	Kolani Pranavi	Vi Solutions	28/12/2020	29/01/201	30days
76	17911A0275	Konka Mani Chaitanya	Vi Solutions	28/12/2020	29/01/201	30days
77	17911A0276	Kooturu Nalini	Vardhan Consulting Engineers	14/6/2020	28/07/2020	45days
78	17911A0277	Kota Nireekshan Nishi	Vi Solutions	28/12/2020	29/01/201	30days
79	17911A0279	M Girish	Vi Solutions	28/12/2020	29/01/201	30days
80	17911A0281	M Srimannarayana	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
81	17911A0282	Madiregama Bhanu Gupta	Tsv Engineering Services Pvt Ltd	15/2/2021	3/15/2021	30days
82	17911A0284	Maram Maneesh Reddy	Vardhan Consulting Engineers	6/14/2020	7/28/2020	30days
83	17911A0287	Muppuna Sudheer	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
84	17911A0288	Noola Sai Kumar	Vi Solutions	28/12/2020	29/01/2021	30days
85	17911A0289	P Priyanka	Vardhan Consulting Engineers	1/7/2020	16 Aug 20.	45days
86	17911A0290	Papani Manikanta	Vardhan Consulting Engineers	14/6/2020	7/28/2020	45days
87	17911A0294	Sangishetty Vinay	Vi Solutions	28/12/2020	29/01/2021	30days
88	17911A0295	Sanjay S	Vardhan Consulting Engineers	1/7/2020	16 Aug 20.	45days
89	17911A0296	Sankuri Jitendra	Tsv Engineering Services Pvt Ltd	15/2/2021	3/15/2021	30days
90	17911A0298	Shankari Karthik	Tsv Engineering Services Pvt Ltd	15/2/2021	3/15/2021	30days
91	17911A0299	Thokali Rajesh	Vardhan Consulting Engineers	1/7/2020	16 Aug 20.	45days

92	17911A02A0	Undadi Shiva Kumar	Tsv Engineering Services Pvt Ltd	15/2/2021	3/15/2021	30days
93	17911A02A1	Vankudoth Shekar	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
94	17911A02A2	Allu Sripriya Reddy	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
95	18915A0223	Kommu Naveen	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
96	18915A0224	Kunta Srikanth	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
97	18915A0225	Mailaram Vikas	Vi Solutions	28/12/2020	29/01/2021	30days
98	18915A0226	Mohd Fayaz Ahmed	Highlight Electrical Constructions	8/1/2020	30/09/2020	60days
99	18915A0227	Namu Sai Vishnu	Vi Solutions	28/12/2020	29/01/2021	30days
100	18915A0228	P Mounika	Vi Solutions	28/12/2020	29/01/2021	30days
101	18915A0229	P Narsimha Nayak	Vardhan Consulting Engineers	1/7/2020	16/08/2020	45days
102	18915A0230	Pabbathi Mani Krishna	Softwayz It Solutions	28/12/2020	29/01/2021	30days
103	18915A0231	Padamati Saikiran	Vardhan Consulting Engineers	9/1/2020	10/15/2020	45days
104	18915A0232	Paripelli Yashwanth Kumar	Vi Solutions	28/12/2020	29/01/2021	30days
105	18915A0233	Poola Ravalika	Vi Solutions	28/12/2020	29/01/2021	30days
106	18915A0235	Punekar Ratnaprabha	Vi Solutions	30/11/2020	1/5/2021	35days
107	18915A0236	Sameer Sahani	Vi Solutions	28/12/2020	29/01/2021	30days
108	18915A0237	Shaik Feroz	Vi Solutions	28/12/2020	29/01/2021	30days
109	18915A0238	Singireddy Sampath Kumar	Vardhan Consulting Engineers	1/8/2020	16/09/2020	45days
110	18915A0239	Telugu Balaraju	Vardhan Consulting Engineers	20/01/2020	17/03/2021	30days
111	18915A0240	Thagaram Sagar Kumar	Vi Solutions	28/12/2020	29/01/2021	30days
112	18915A0241	Thokati Haveela	Stem Robomatrix	1/1/2021	15/02//2021	45days
113	18915A0242	Tokapur Avinash	Vardhan Consulting Engineers	1/7/2020	16/08/2020.	45days
II Year						
114	18911A0201	Anirudh Soni	Hyderabad Institute of Electrical Engineers,Hyderabad	25/11/2019	7/12/2019	2 weeks
115	18911A0227	Mohammed Abdul Kareem	Hyderabad Institute of Electrical Engineers,Hyderabad	25/11/2019	7/12/2019	2 weeks
116	18911A0218	K S Keshava Rao	CMR Engineering,Hyderabad	19/05/2020	08/06/2020	3 weeks
117	18911A0221	Khwaja Sohail Ahmed	Hyderabad Institute of Electrical Engineers,Hyderabad	25/11/2019	7/12/2019	2 weeks
118	18911A0285	P Juhitha Reddy	Hyderabad Institute of Electrical	25/11/2019	7/12/2019	2 weeks

			Engineers,Hyderabad			
119	18911A0268	Janak Urmisha Reddy	Hyderabad Institute of Electrical Engineers,Hyderabad	25/11/2019	7/12/2019	2 weeks
120	18911A0259	Chukka Akanksha	Hyderabad Institute of Electrical Engineers,Hyderabad	25/11/2019	7/12/2019	2 weeks

Academic Year: 2018-2019

S. No	Roll No.	Name of the student	Name of the Company	From Date	To Date	Duration
1	16911A0241	Rishab Shukla	Galaxy Solar Power Systems	15/05/2019	5/6/2019	20 days
2	16911A0213	Gogireddy Prashanth Kumar Reddy				
3	16911A0233	Mattepally Deekshith				
4	16911A0218	Kakumanu Bharath Kumar	Galaxy Solar Power Systems	15/05/2019	5/6/2019	20 days
5	16911A0216	K Raja Rajeshwari				
6	16911A0245	Thoka Laxmikanth Goud				
7	16911A0212	Ganta Sujith				
8	16911A0205	B Krishna Vamsi	Robicrufarm India Pvt Ltd	20/05/2019	10/6/2019	20 days
9	16911A0230	Mangolla Rushikesh				
10	16911A0249	Voodi Sai Ganesh				
11	17915A0202	Bayyaram Vinayaka Bhoopathi	Pro Imaginations	20/05/2019	10/6/2019	20 days
12	17915A0206	G Raghuram Reddy				
13	17915A0212	Kalikota Sreedhara Chary				
14	17915A0215	Maddi Abhilash Goud				
15	17915A0203	Bodige Shirisha	Hyderabad Institute of Electrical Engineers	20/06/2019	10/6/2019	20 days
16	17915A0210	K Kapil Kumar				
17	16911A0202	Anantha Sreeja				
18	17915A0208	Hadwala Akhil	Hyderabad Institute of Electrical Engineers	20/06/201	10/6/2019	20 days
19	17915A0213	Kunapuri Kishan				
20	16911A0203	Anthamgari Manisha	Hyderabad Institute of Electrical Engineers	20/06/201	10/6/2019	20 days
21	16911A0226	Lakkavaram V Subrahmanya P L Gayatri				

22	16911A0238	Lavudiya Neha	Hyderabad Institute of Electrical Engineers	20/06/201	10/6/2019	20 days
23	16911A0243	Shraddha Kulkarni				
24	16911A0204	Appaji Nagender Patel				
25	16911A0224	Kottha Ambika				
26	16911A0227	Lalusari Anil				
27	16911A0234	Md Awaiz	National Small Industries Corporation Technical Services Centre	15/05/2019	5/6/2019	20 days
28	16911A0201	Alavala Sai Priyanka				
29	16911A0209	Bolavena Anjali				
30	16911A0214	Hirekari Abhishek Raj				
31	16911A0223	Kothakaapu Shravani				
32	16911A0211	Eamani Lakshmi Sarada Pravallika	National Small Industries Corporation Technical Services Centre	15/05/2019	5/6/2019	20 days
33	16911A0208	Boini Avinash Kumar				
34	16911A0225	Kurva Malleshwar				
35	16911A0228	Lavudiya Neha				
36	16911A0231	Marati Ramya Sri				
37	17915A0201	B Shashikumar	Chaitanya Metal Industries	15/05/2019	5/6/2019	20 days
38	17915A0205	Dhatrika Akhil Raj				
39	17915A0211	Kadiyam Abhinav				
40	17915A0204	C Swathi	Central Power Training Institute	20/05/2019	10/6/2019	20 days
41	17915A0209	Janupalli Srilatha				
42	17915A0207	Gugulothu Renuka				
43	17915A0214	Kusukuntla Mamatha				
44	16911A0237	Mudavath Ganesh	Central Power Training Institute	20/05/2019	10/6/2019	20 days
45	16911A0221	Katravath Prajo Nayak				
46	16911A0222	Kesarapu Naveen Kumar				
47	16911A0210	Cheruku Chandra Shekar Goud	Central Power Training Institute	20/05/2019	10/6/2019	20 days
48	16911A0219	Kandari Sai Prasad				
49	16911A0220	Kasireddy Raghavendra Reddy				
50	15911A0212	Ganta Sujith	RAMKYENVIRO Engineers Ltd.	20/05/2019	10/6/2019	20 days
51	15911A0292	Samineni Sravika Chowdary				
52	16911A0256	Bhukya Himabindu	Galaxy Sun Power Systems	15/05/2019	5/6/2019	20days

53	16911A0251	Ahmed Ahtesham Uddin				
54	16911A0275	Mir Farazuddin Hamza				
55	16911A0254	Bamandla Nikhil	Galaxy Sun Power Systems	15/05/2019	5/6/2019	20days
56	16911A0252	Aluvala Shivachaitanya				
57	16911A0292	Samineni Sravika Chowdary				
58	16911A0294	Tummala Mounisha				
59	16911A0270	Kanugula Tarun	Galaxy Sun Power Systems	15/05/2019	5/6/2019	20days
60	16911A0272	Koppoju Aravinda Chary				
61	16911A0274	Manati Manisha				
62	16911A0281	Pedda Bomma Divya Sree				
63	16911A0282	Pisupati Sai Chandana	Galaxy Sun Power Systems	15/05/2019	5/6/2019	20days
64	16911A0286	Punnamraj Harishchandra Prasad				
65	16911A0262	Dhanishetti Krishna Priya				
66	16911A0291	Sai Sree Yallavula				
67	16911A0287	R Bindu	National Small Industries Corporation	15/05/2019	5/6/2019	20days
68	16911A0271	Kolanu Vani				
69	15911A0230	Bhavana K				
70	16911A0296	Sheru Saikumar	Vidya Jyothi Institute of Technology	10/5/2019	5/6/2019	20days
71	16911A0266	Gujjula Vidya				
72	16911A0273	Kottam Akshita				
73	16911A0288	Ravali Chandankare				
74	17915A0225	Sirimalla Kusuma	Bharat Heavy Electrical Limited, Hyderabad	20/05/2019	10/6/2019	20days
75	17915A0217	Mogilipuri Pavani				
76	17915A0222	Sailla Ashok				
77	17915A0216	Mendye Naveen				
78	17915A0224	Sirigiri Harinath	Bharat Heavy Electrical Limited, Hyderabad	20/05/2019	10/6/2019	20days
79	17915A0226	Souda Raj Kumar				
80	17915A0227	Talari Naresh				
81	17915A0228	Thundla Praveen				
82	17915A0221	Pasupula Pavan Kalyan	RAMKYENVIRO Engineers Ltd.	20/05/2019	10/6/2019	20days

83	17915A0223	Samala Sujith Sunny				
84	17915A0231	P Saikumar Goud				
85	15911A0296	V Sarayu Reddy				
86	15911A0278	Nimmagadda Harish Kumar	Bharat Heavy Electrical Limited, Hyderabad	20/05/2019	10/6/2019	20days
87	16915A0226	S Vinay Singh				
88	16911A0260	Chilakuri Pawan Reddy	J-Hub, JNTU - Hyderabad	20/05/2019	10/6/2019	20days
89	16911A0257	Bolleboina Srinath Yadav				
90	16911A0259	Chakali Srisailam				
91	16911A0268	Kaasula Adarsh	J-Hub, JNTU - Hyderabad	20/05/2019	10/6/2019	20days
92	16911A0264	Gosangi Sohith Babu				
93	16911A0265	Guduri Vishnu Vardhan				
94	16911A0261	D Ganesh Kumar Reddy	Galaxy Sun Power Systems	15/05/2019	5/6/2019	20days
95	16911A0278	Nimmagadda Harish Kumar				
96	16911A0285	Puduru Pramod				
97	16911A0250	Addhanki Sitaram Prasad				
98	16911A0277	Motam Sudarshan	Galaxy Sun Power Systems	15/05/2019	5/6/2019	20days
99	16911A0258	Bommakanti Anjaiah				
100	16911A0295	Uda Ramesh				
101	16911A0253	B Srikanth Goud				
102	17915A0219	Nalla Vinay Kumar	Medha Servo Drives	10/5/2019	30/05/2019	20days
103	17915A0218	Muchumari Mahesh				
104	17915A0230	Karnam Pavan Kumar Goud				
105	15911A0280	M Shashank	Pro Imagination	10/5/2019	30/05/2019	20days
106	17915A0220	P Hari Krishna				
107	17915A0229	G Shashank				
108	17915A0232	Bantu Vijay				
109	15915A0275	Sujan Reddy	Kakathiya thermal Power Station	10/5/2019	30/05/2019	20days
110	15911A0261	Bommana Akhileshwar				

Table 2.2.5 (b) Measuring Parameters for industrial internship

Q1	The experience gave me a realistic preview of this career field
Q2	As a result of my internship, I have a better understanding concepts, Theories and skills in my course of study.
Q3	I had a regular meetings with my superior and received constructive, Ongoing feedback
Q4	I was provided levels of responsibilities consistent with my ability and was given additional responsibility as my experience increased
Q5	The work I performed was challenging and submitting
Q6	I was treated on the same level as other employees.
Q7	I had a good working relationship with my coworkers
Q8	There were opportunities for learning
Q9	I feel that I am better to enter world of work after this experience
Q10	Would you recommend this internship to other students a) Highly recommended b) Recommend c) Recommend with reservation d)would not Recommend

Table 2.2.5 (c) Students Feedback Analysis for Industrial Internship: 2020-2021

NAME OF THE STUDENT	ROLL NUMBER	YEAR/SEM	NAME OF THE INDUSTRY	PERIOD OF TRAINING	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
B.Sireesha	16911A0223	III/II	Vardhan Consulting Engineers	3 weeks	3	2	3	2	3	3	3	3	2	2
G Akhilesh	16911A0263	III/II	Vardhan Consulting Engineers	3 weeks	3	2	3	2	3	3	3	3	2	2
Arrola Shashikanth	17911A0204	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	3	2	3	2	3	2

Gopa Vigneshwar	17911A0217	III/II	VI solutions	4 weeks	3	2	3	2	3	3	3	3	2	2
Kotte Venkat Akhil	17911A0223	III/II	VI solutions	4 weeks	3	2	3	2	3	3	3	3	2	2
Marepally Rajavardhan Reddy	17911A0250	III/II	VI solutions	4 weeks	2	3	3	1	2	3	3	3	2	2
Amgoth Shirisha	17911A0251	III/II	VI solutions	4 weeks	3	2	3	2	3	3	3	3	2	2
P.Laxman	17911A0292	III/II	VI solutions	4 weeks	2	3	3	3	3	2	3	3	2	3
Pendyala Balaji	17911A0293	III/II	Vardhan Consulting Engineers	3 weeks	3	3	2	2	3	3	2	2	3	3
Anirudh Soni	18911A0201	III/II	Vardhan Consulting Engineers	3 weeks	3	3	2	2	3	3	2	2	3	3
Bandi Aditya	18911A0202	III/II	Vardhan Consulting Engineers	3 weeks	3	2	3	2	3	3	2	3	3	2
Bandi Praneeth	18911A0203	III/II	Vardhan Consulting Engineers	3 weeks	3	3	2	2	3	3	2	2	3	3
Bhukya Pranay Naik	18911A0204	III/II	Vardhan Consulting Engineers	3 weeks	3	3	2	2	3	3	2	2	3	3
Chakravadhanula Sirish Dhaveji	18911A0205	III/II	VI solutions	5weeks	3	2	3	2	3	3	3	3	2	2
Chandankare Divya	18911A0206	III/II	VI solutions	5weeks	3	3	2	2	3	3	3	2	3	2
Dangeti Tarun	18911A0208	III/II	VI solutions	5weeks	3	2	3	2	3	3	3	3	2	2
Dasi Geethika	18911A0209	III/II	VI solutions	5weeks	3	2	3	2	3	3	3	3	2	2
Desham Akhil Reddy	18911A0210	III/II	VI solutions	5weeks	3	2	3	2	3	3	3	3	2	2
Dev Kumar Jaiswal	18911A0211	III/II	Vardhan Consulting	3 weeks	3	3	2	3	3	1	3	3	2	3

			Engineers											
Enigala Gunateja	18911A0212	III/II	Vardhan Consulting Engineers	3 weeks	3	3	2	3	3	2	2	3	2	3
Gangi Sharadha	18911A0213	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Ganthi Sahithi	18911A0214	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Guguloth Ramdas	18911A0215	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Janga Charanya	18911A0216	III/II	VI solutions	4 weeks	3	3	2	3	3	2	2	2	3	2
K S Keshava Rao	18911A0218	III/II	VI solutions	4 weeks	3	3	2	2	3	3	2	2	3	3
Kamasani Shyam Kumar	18911A0219	III/II	VI solutions	4 weeks	3	3	2	2	3	3	2	2	3	3
Kareti Pavankumar	18911A0220	III/II	VI solutions	4 weeks	3	3	3	2	2	3	3	3	2	3
Khwaja Sohail Ahmed	18911A0221	III/II	VI solutions	4 weeks	3	3	3	2	2	3	3	3	2	3
Kondoju Prasanna	18911A0223	III/II	Exposys Data Labs	3 weeks	3	3	3	2	2	3	3	3	2	3
Mabbu Saimanitharun	18911A0224	III/II	Exposys Data Labs	3 weeks	3	3	2	3	3	2	3	2	2	3
Mandiga Naveen	18911A0225	III/II	Exposys Data Labs	3 weeks	3	2	2	2	3	3	3	3	2	2
Matam Vignesh	18911A0226	III/II	VI solutions	5 weeks	3	3	3	2	2	3	3	3	2	3

Mohammed Abdul Kareem	18911A0227	III/II	VI solutions	5weeks	3	3	3	2	2	3	3	3	2	3
Mohammed Ahmed Baig	18911A0228	III/II	VI solutions	5weeks	3	2	3	2	3	3	3	3	2	2
Mudelli Chandra Vamshi Reddy	18911A0230	III/II	VI solutions	5weeks	3	2	3	2	3	3	3	3	2	2
Mushanolla Shivani	18911A0231	III/II	VI solutions	5weeks	3	3	2	2	3	3	3	3	2	2
Naidu Mohannaga Vamsi	18911A0232	III/II	Exposys Data Labs	3 weeks	3	2	3	2	3	3	3	3	2	2
Nama Lakshmi	18911A0234	III/II	Exposys Data Labs	3 weeks	3	2	3	2	3	3	3	3	2	2
Nikhil Bansal	18911A0237	III/II	Exposys Data Labs	3 weeks	3	2	2	3	3	3	3	3	3	2
P Venkata Sandeep Reddy	18911A0238	III/II	Exposys Data Labs	3 weeks	3	2	3	2	3	3	3	3	2	2
Parvataneni Jaya Sindhu Sai	18911A0240	III/II	Exposys Data Labs	3 weeks	3	2	3	2	2	3	1	1	3	3
Rachamalla Manasa	18911A0241	III/II	Exposys Data Labs	3 weeks	3	3	2	2	3	3	2	2	3	3
Reddy Sai Sushma Tanguturi	18911A0242	III/II	Exposys Data Labs	3 weeks	3	3	2	2	3	3	2	2	3	3
Sabavat Sachin	18911A0243	III/II	VI solutions	5weeks	2	3	2	3	3	2	3	2	1	2
Sidduluri Vanaja	18911A0245	III/II	VI solutions	5weeks	2	1	3	3	1	3	2	3	1	2

Sivaraju Naga Sri Gowri	18911A0246	III/II	VI solutions	5weeks	3	2	3	2	3	3	3	3	2	2
Subburu Sai Kumar	18911A0247	III/II	VI solutions	5weeks	1	3	3	1	3	3	1	3	2	1
Tammali Akhil Kumar	18911A0248	III/II	VI solutions	5weeks	3	2	3	2	3	3	3	3	2	2
Thaviti Reddy Sunil Chandra	18911A0249	III/II	Vardhan Consulting Engineers	3 weeks	3	2	3	2	3	3	3	3	2	2
Thota Nikhitha	18911A0250	III/II	Vardhan Consulting Engineers	3 weeks	3	1	3	3	3	1	3	2	2	3
Vishnumolakala Deva Harsha	18911A0252	III/II	Vardhan Consulting Engineers	3 weeks	3	2	3	2	3	3	3	3	2	2
Belley Mahesh	18911A0254	III/II	Vardhan Consulting Engineers	3 weeks	3	3	2	3	1	2	3	2	2	3
Boda Sowjanya	18911A0255	III/II	Vardhan Consulting Engineers	3 weeks	3	2	3	2	3	3	3	3	2	2
Chava Naga Vardhan	18911A0256	III/II	Vardhan Consulting Engineers	3 weeks	3	2	3	2	2	3	1	2	3	3
Chelakalapelly Sanjay	18911A0257	III/II	Vardhan Consulting Engineers	3 weeks	3	3	2	2	3	3	2	2	3	3
Chintapalli Samara Simha Reddy	18911A0258	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	2	2	3	3	2	2	3	3

Chukka Akanksha	18911A0259	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	2	3	3	3	1	3	3
Daravath Linga	18911A0260	III/II	TSV Engineering services pvt ltd	4 weeks	3	2	3	2	3	3	3	3	2	2
Dharmasagaram Sumanth Kumar	18911A0261	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	2	3	3	3	3	2	3	3
E Haritha	18911A0262	III/II	TSV Engineering services pvt ltd	4 weeks	3	2	3	2	3	3	3	3	2	2
Gaini Sai Kiran	18911A0263	III/II	skillDzire	4 weeks	3	3	3	2	3	3	2	2	3	2
Gali Brahma Reddy	18911A0264	III/II	skillDzire	4 weeks	3	3	3	3	2	1	3	2	2	3
Goundla Sriilekha	18911A0265	III/II	skillDzire	4 weeks	3	2	3	2	3	3	3	3	2	2
Gudupally Ashwith Reddy	18911A0266	III/II	skillDzire	4 weeks	3	2	3	2	3	3	3	3	2	2
Inala Sai Ram	18911A0267	III/II	skillDzire	4 weeks	3	3	3	2	2	3	2	3	3	3
Janak Urmisha Reddy	18911A0268	III/II	Smart knower	8 weeks	3	2	3	2	3	3	3	3	2	2
K Tejal	18911A0269	III/II	Smart knower	8 weeks	2	3	3	3	2	3	2	2	2	3
Kamepalli Likhith Sai Chandra	18911A0270	III/II	Smart knower	8 weeks	3	2	3	2	3	3	3	3	2	2
Karre Mounika	18911A0271	III/II	Smart knower	8 weeks	3	3	2	2	3	3	3	2	2	3
Koppula Prashanth Reddy	18911A0272	III/II	Smart knower	8 weeks	3	3	3	2	2	3	3	3	2	3

Korivi Narsing Sai Kiran	18911A0273	III/II	Smart knower	8 weeks	3	3	3	2	2	3	3	3	2	3
Kurukuntla Venu Sagar	18911A0275	III/II	Smart knower	8 weeks	3	3	3	2	2	3	3	3	2	3
Manne Shivakumar	18911A0277	III/II	Smart knower	8 weeks	2	2	3	2	2	3	3	2	3	3
Md Muzammil Hussain	18911A0278	III/II	Smart knower	8 weeks	3	3	2	2	3	3	2	2	3	3
Mudavath Naresh	18911A0281	III/II	Smart knower	8 weeks	3	3	2	2	3	3	2	2	3	3
Munugala Vineetha	18911A0282	III/II	skillDzire	4 weeks	2	3	3	2	2	3	3	3	2	3
N Shishir Reddy	18911A0283	III/II	skillDzire	4 weeks	3	2	3	2	3	3	3	3	2	2
Nandyala Swetha	18911A0284	III/II	Skill Dzire	4 weeks	3	2	2	3	2	3	3	3	2	2
P Juhitha Reddy	18911A0285	III/II	Skill Dzire	4 weeks	3	2	3	2	3	3	3	3	2	2
P Micheal Joseph	18911A0286	III/II	Skill Dzire	4 weeks	3	2	3	2	3	3	3	3	2	2
Pasuladi Manisha	18911A0287	III/II	Hyderabad institute of electrical engineers	2 weeks	2	3	3	2	2	3	3	2	2	3
Patlolla Supriya	18911A0288	III/II	Hyderabad institute of electrical engineers	2 weeks	3	3	3	2	2	3	3	3	2	3
Peddolla Dinesh Karthik	18911A0289	III/II	Hyderabad institute of electrical	2 weeks	3	3	3	2	2	3	3	3	2	3

			engineers											
Pogaku Varalakshmi	18911A0290	III/II	Hyderabad institute of electrical engineers	2 weeks	3	3	3	2	2	3	3	3	2	3
Pothiganti Mounika Reddy	18911A0291	III/II	Hyderabad institute of electrical engineers	2 weeks	3	2	3	2	3	3	3	3	2	2
Pothula Sai Pranavi	18911A0292	III/II	Hyderabad institute of electrical engineers	2 weeks	3	3	2	2	3	3	2	2	3	3
Puntikura Rohini	18911A0293	III/II	Hyderabad institute of electrical engineers	2 weeks	3	3	2	2	3	3	2	2	3	3
R Akshay Kumar	18911A0294	III/II	Hyderabad institute of electrical engineers	2 weeks	3	3	2	2	3	3	2	2	3	3
Rajesh Janampeta	18911A0295	III/II	Skill Dzire	4 weeks	3	3	2	2	3	3	2	2	3	3
Samhitha Sampath	18911A0298	III/II	Skill Dzire	4 weeks	3	3	2	2	3	3	2	2	3	3
Seetharampally Aravind Reddy	18911A0299	III/II	Skill Dzire	4 weeks	3	3	2	2	3	3	2	2	3	3
Shubham Maroo	18911A02A0	III/II	Skill Dzire	4 weeks	3	3	3	2	2	3	3	3	2	3

Siddavaram Sravan	18911A02A1	III/II	Skill Dzire	4 weeks	3	3	3	2	2	3	3	3	2	3
Toorpu Pratyusha	18911A02A3	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	2	2	3	3	3	2	3
Vaddepelly Rohith	18911A02A4	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	2	2	3	3	2	2	2
Vorusu Vamshi	18911A02A5	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	2	2	3	3	3	2	3
Yalagala Hari Krishna	18911A02A6	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	2	2	3	3	3	2	3
K Praneeth	18915A0216	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	2	2	3	3	2	2	2
A Saikishore Reddy	19915A0201	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Arva Arun Kumar	19915A0202	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
B Manjula	19915A0203	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	2	2	2
Badepally Sai Ganesh	19915A0204	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
C Kalyan Sagar	19915A0205	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	2	2	2
Md Musthafa Maveeya Maaza	19915A0206	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3

Gurrala Shashikumar	19915A0207	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	3	2	3	3	2	2	2
Kona Sai Kumar	19915A0208	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	3	2	3	3	3	2	3
Katam Harshavardhan	19915A0209	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	3	2	3	3	3	2	3
Kuna Ramya	19915A0210	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	3	2	3	3	3	2	3
Lakum Keshini	19915A0211	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	3	2	3	3	3	2	3
M Ashrita	19915A0212	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	3	2	3	3	3	2	3
M Rajesh	19915A0213	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	3	2	3	3	3	2	3
Mangali Sai Kumar	19915A0214	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	3	2	3	3	3	2	3
M Shiva Vara Prasad	19915A0215	III/II	TSV Engineering services pvt ltd	4 weeks	3	3	3	2	2	3	3	3	2	3
Merugu Pavan Kumar	19915A0216	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Motapalukula Vamshi Krishna	19915A0217	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Nathi Ram Kiran	19915A0218	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3

N Somashekar	19915A0219	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Pathuri Anjani Reddy	19915A0220	III/II	Vardhan Consulting Engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Polaji Sanjay	19915A0221	III/II	Hyderabad institute of electrical engineers	2 weeks	3	3	3	2	2	3	2	2	3	3
P Santosh	19915A0222	III/II	Hyderabad institute of electrical engineers	3 weeks	3	3	3	2	2	3	3	3	2	3
Putta Priyanka	19915A0223	III/II	skillDzire	4 weeks	3	3	3	2	2	3	3	3	2	3
S Jashwanth Kumar	19915A0224	III/II	skillDzire	4 weeks	3	3	3	3	2	3	3	3	2	3
V Rajeshkumar Reddy	19915A0225	III/II	skillDzire	4 weeks	3	3	3	2	2	3	3	3	2	3
Vangala Sai Ganesh Reddy	19915A0226	III/II	skillDzire	4 weeks	3	2	2	3	3	3	3	2	2	3
Veeraboina Sandeep	19915A0227	III/II	skillDzire	4 weeks	3	3	3	3	2	3	3	3	2	3
					2.9	2.6	2.7	2.2	2.5	2.9	2.8	2.7	2.2	2.6

Impact Analysis of Industrial Internship

1. Students are exposed to real time practical experience of the subjects studied in the class room and realized the practical importance of the subjects

2. Industrial training improves more interest in the subjects.
3. Student's technical skills have improved
4. Communication skills of the students have improved
5. Student's placement has improved
6. Gain valuable work experience
7. Students gain valuable hands on experience
8. Students will explore the internship outcomes in terms of innovative projects.
9. Network with professionals in the field

Industrial Visit:

The Department organizes industrial visits for students to relevant organizations/companies to enable the students to experience the practical implementation of theoretical knowledge in real world. This gave them an insight of exposure to the industrial environment and the work culture ethics in Industries. The visits also help the students to learn about people management, which was essential in any organization.

Table B. 2.2.5 (d) Industrial Visit

Academic Year (2020-2021)

S.No	Company Name	Year	Date of Visit	No. of Students
1	Virtual Site visit on Rooftop Solar PV Plant	II	26/12/2021	65
2	Virtual tour to Switchgear panel Manufacturing	III & IV	24/7/2021	90

Academic Year (2019-2020)

S.No	Company Name	Date of Visit	No. of Students
I SEM			
1	Bharat Heavy Electrical Limited, Hyderabad (II YEAR)	3/08/2019	80
2	Shankarpally 400KV Sub-Station (III YEAR)	11/09/2019 & 13/09/2019	110

3	CPRI (IV YEAR)	05/08/2019	95
II SEM			
1	Shankarpally 400KV Sub-Station (II YEAR)	6/03/2020& 07/03/2020	75
2	VTPS,Vijayawada (III YEAR & IV YEAR)	20/02/2020	105

Academic Year (2018-2019)

S.No	Company Name	Date of Visit	No. of Students
I SEM			
1	KRK Power Pvt Ltd(II YEAR)	31/08/2018	115
2	Bharat Heavy Electrical Limited,Hyderabad(III YEAR)	6/08/2018	98
3	CPRI(IV YEAR)	11/08/2018	115
II SEM			
1	Visit To Srisailam Power House (II YEAR & IV YEAR)	2/2/2019	120
2	Shankarpally 400KV Sub-Station (III YEAR)	8/03/2019 & 9/03/2019	93

Implementation and Impact Analysis of Industrial Visit:

1. Exposure to student's work place realities, challenges and culture thereby ensuring that on completion of their Program, the students are industry / corporate ready
2. Students understand the importance of ethical practices at the workplace.
3. It enables the students and faculty to analyze gaps in the knowledge / skill sets being imparted at the University which then are supplemented by additional courses / trainings during the remaining duration of the Program.
4. Select projects to find solutions to the problems faced by the industries.
5. The student is able to identify emerging job opportunities and the corresponding skill sets required.
6. Students also develops a network of associations / relationships in the organizations
7. Students learn to appreciate the inter-disciplinary nature of work environment
8. Students gain an insight into managerial approaches and importance of teamwork
9. Students wish to pursue higher education are able to choose their future area of specialization in a more focused manner

3.1. Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PSOs) (25)

The curriculum of the program is designed with core and elective courses by considering the Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs), requirements of stakeholders, suggestions from industries.

Course Outcomes (CO) are statements that are framed in the view of what the students are expected to attain at the end of the course. Each course has 5 course outcomes, depending on its significance which are mapped to the Program Outcomes (POs) and Program Specific Outcomes (PSOs).

Program Specific Outcomes

PSO1: Conceptualize electrical and electronics systems, employ control strategies for power electronics related applications to prioritize societal requirements.

PSO 2: Apply the appropriate techniques and modern engineering hardware and software tools in electrical engineering to engage in multi-disciplinary environments

Program Articulation Matrix:

Program Articulation Matrix is formed by the strength of correlation of COs with POs and PSOs. The strength of correlation of COs with POs and PSOs is indicated as “3” for substantial (high) correlation, “2” for moderate (medium) correlation and “1” for slight (low) correlation and “-”, if there is no correlation. If the course outcomes are attained, the POs correlated to these course outcomes are also attained.

Selected Courses (One per Semester)

Year / Semester	Course Code	Course Name
II / I	C213	Network Theory
II / II	C224	Electrical Machines-Ii
III / I	C312	Power Electronics
III / II	C327	Power Electronics And Simulation Lab
IV / I	C413	Computer Methods In Power Systems
IV / II	C421	Utilization Of Electrical Energy

C213	Network Theory
C213.1	Understand the concepts of three phase circuits for both balanced and unbalanced loads
C213.2	Apply transient response analysis on RLC circuits with initial conditions for both DC and AC excitations.
C213.3	Analyze network functions – pole-zero plots – and obtain time response from pole-zero plots.
C213.4	Evaluate impedance, admittance, and transmission and hybrid parameters for two port networks.
C213.5	Design low pass, high pass, band pass and band stop prototype filters.

C224	Electrical Machines – II
C224.1	Understand the construction and working operations of single phase transformers
C224.2	Distinguish different types of three phase transformers and able to obtain the load sharing of transformers
C224.3	Analyze the performance of induction motors and effect of harmonics.
C224.4	Compare the operation of induction motor using different speed control methods and analyze the circle diagram.
C224.5	Infer the performance of single phase induction motors

C312	Power Electronics
C312.1	Understand various power electronic devices and their commutation procedure.
C312.2	Illustrate the operation of various phase-controlled converters.
C312.3	Examine the operation of AC-AC Converters
C312.4	categorize the operation of various DC-DC converters
C312.5	analyze the operation of DC-AC converters

C327	Power Electronics And Simulation Lab
C327.1	Examine the characteristics of SCR, MOSFET, & IGBT, and analyze triggering circuits
C327.2	Analyze input and output waveforms of AC-DC converters.
C327.3	Identify input and output waveforms of AC-AC converters
C327.4	Identify input and output waveforms of DC-DC Converters
C327.5	Design converters and inverters using p-spice.

C413	Computer Methods In Power Systems
C413.1	Compute Y-bus and Z-bus matrices
C413.2	Apply the concepts of load flow studies in power systems.
C413.3	Analyze faults using for unit system
C413.4	Examine steady state stability of power system.
C413.5	Investigate transient stability of power system.

C421	Utilization Of Electrical Energy
C421.1	Understand illumination methods & solutions for illumination.
C421.2	Apply principles of electrical heating & welding and acquire skills to solve problems.
C421.3	Categorize electrical drives, their characteristics & applications.
C421.4	Analyze features of electric traction movement.
C421.5	Investigate the effects of varying acceleration and braking retardation, adhesive weight and coefficient of adhesion.

CO – PO Mappings

C213	Network Theory											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C213.1	3	3	3	3	-	-	-	-	-	-	-	2
C213.2	3	3	3	3	-	-	-	-	-	-	-	2
C213.3	3	3	2	3	-	-	-	-	-	-	-	3
C213.4	3	3	3	3	-	-	-	-	-	-	-	-
C213.5	3	3	3	2	-	-	-	-	-	-	-	-
	3	3	2.8	2.8	-	-	-	-	-	-	-	2.33

C224	Electrical Machines - II											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C224.1	3	2	2	2	-	-	-	-	-	-	-	3
C224.2	3	2	3	2	-	-	-	-	-	-	-	3
C224.3	3	3	3	3	-	-	-	-	-	-	-	3
C224.4	3	3	3	3	-	-	-	-	-	-	-	3
C224.5	3	3	3	3	-	-	-	-	-	-	-	-
	3	2.6	2.8	2.6	-	-	-	-	-	-	-	3

C312	Power Electronics											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312.1	2	2	2	2	-	-	-	-	-	-	-	2
C312.2	3	3	2	2	-	-	-	-	-	-	-	2
C312.3	3	3	3	2	-	-	-	-	-	-	-	3
C312.4	3	3	3	2	-	-	-	-	-	-	-	3
C312.5	3	3	3	2	-	-	-	-	-	-	-	3
	2.8	2.8	2.6	2	-	-	-	-	-	-	-	2.6

C327	Power Electronics & Simulation Lab											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C327.1	3	2	2	2	-	-	-	-	3	-	-	3
C327.2	3	3	3	2	-	-	-	-	3	-	-	3
C327.3	3	3	3	2	-	-	-	-	3	-	-	3
C327.4	3	3	3	2	-	-	-	-	3	-	-	3
C327.5	3	3	3	2	3	-	-	-	3	-	-	3
	3	2.8	2.8	2	3	-	-	-	3	-	-	3

C413	Computer Methods in Power Systems											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C413.1	3	3	2	2	2	-	-	-	-	-	-	2
C413.2	3	3	3	3	2	-	-	-	-	-	-	2
C413.3	3	3	3	3	2	-	-	-	-	-	-	2
C413.4	3	3	3	3	2	-	-	-	-	-	-	2
C413.5	3	3	3	3	2	-	-	-	-	-	-	2
	3	3	2.8	2.8	2	-	-	-	-	-	-	2

C421	Utilization Of Electrical Energy											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C421.1	3	2	2	2	2	-	-	-	-	-	-	2
C421.2	3	2	2	2	2	-	-	-	-	-	-	-
C421.3	3	3	2	2	2	-	-	-	-	-	-	2
C421.4	3	2	2	3	3	-	-	-	-	-	-	3
C421.5	3	3	2	3	3	-	-	-	-	-	-	-
	3	2.4	2	2.4	2.4	-	-	-	-	-	-	2.33

CO- PSO Mappings

Network Theory		
C213	PSO1	PSO2
C213.1	3	-
C213.2	3	-
C213.3	3	-
C213.4	3	-
C213.5	3	-
	3	-

Electrical Machines - II		
C224	PSO1	PSO2
C224.1	3	-
C224.2	3	-
C224.3	3	-
C224.4	3	-
C224.5	3	-
	3	-

Power Electronics		
C312	PSO1	PSO2
C312.1	3	-
C312.2	3	-
C312.3	3	-
C312.4	3	-
C312.5	3	-
	3	-

Power Electronics And Simulation Lab		
C327	PSO1	PSO2
C327.1	3	-
C327.2	3	-
C327.3	3	-
C327.4	3	-
C327.5	3	3
	3	3

Computer Methods in Power Systems		
C413	PSO1	PSO2
C413.1	2	-
C413.2	2	-
C413.3	3	-
C413.4	3	-
C413.5	3	-
	2.6	-

Utilization Of Electrical Energy		
C421	PSO1	PSO2
C421.1	3	-
C421.2	3	-
C421.3	3	-
C421.4	3	3
C421.5	3	3
	3	3

Program Articulation Matrix

Table 3.1.1 Program Articulation Matrix

S.No	Code	Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	C111	English-I	-	2.33	2.00	-	3.00	2.50	2.00	2.75	-	2.60	2.00	3.00
2	C112	Mathematics - I	2.60	2.80	2.00	2.67	2.00	2.20	2.00	-	2.00	-	-	2.60
3	C113	Engineering Physics-I	2.60	2.67	2.20	2.00	-	-	2.50	2.00	-	-	2.00	2.60
4	C114	C Programming – I	2.80	2.80	2.80	3.00	2.00	-	-	-	-	-	2.00	2.75
5	C115	Engineering Chemistry	3.00	2.67	2.50	2.00	2.00	2.00	2.00	-	-	-	2.20	2.40
6	C116	Electrical circuits	3.00	3.00	2.75	2.00	2.20	2.40	-	-	2.00	-	-	2.60
7	C117	English Language Communication Skills Lab-I	3.00	3.00	-	2.00	-	2.33	-	3.00	2.50	3.00	-	3.00
8	C118	C Programming Lab – I	2.80	3.00	3.00	2.80	2.33	2.00	-	-	-	-	2.00	3.00
9	C119	Engineering Physics and Chemistry Lab	2.67	2.50	2.00	2.00	2.00	-	2.00	-	-	2.33	-	2.67
10	C11A	IT & Engineering Workshop	2.75	2.00	2.40	2.00	2.00	2.00	2.40	2.50	2.20	2.60	-	2.40
11	C121	English-II	-	2.50	-	2.00	-	2.00	2.00	2.50	2.00	2.50	2.50	2.80
12	C122	Engineering Graphics	3.00	3.00	3.00	3.00	2.00	2.00	-	-	2.50	3.00	-	2.40
13	C123	Engineering Physics-II	2.60	2.50	2.40	2.25	-	-	2.50	-	-	-	2.00	2.60
14	C124	C Programming – II	3.00	3.00	2.80	3.00	2.00	2.20	-	-	-	-	2.60	2.60
15	C125	Mathematics – II	2.60	2.75	2.60	2.25	2.00	2.67	2.00	-	2.20	-	-	2.40
16	C126	Mathematics – III	3.00	2.67	2.25	2.00	2.33	2.20	2.50	-	-	-	2.40	2.60
17	C127	English Language Communication Skills Lab-II	-	2.00	-	-	-	2.00	-	2.50	2.50	2.80	2.33	2.80
18	C128	C Programming Lab –II	2.60	2.50	2.40	2.40	2.00	-	2.40	-	2.50	2.50	-	2.40
19	C129	Engineering Physics Lab	3.00	3.00	2.50	2.67	2.50	-	2.00	-	-	2.00	-	2.40
20	C211	Mathematics-IV	2.40	2.50	-	2.50	-	-	-	-	-	-	1.33	-
21	C212	Electronic Devices &	2.40	2.40	2.20	2.40	1.00	2.60	-	-	2.00	-	-	-

		Circuits												
22	C213	Network Theory	3.00	3.00	2.80	2.80	-	-	-	-	-	-	-	2.33
23	C214	Electro Magnetic Fields	3.00	3.00	2.80	3.00	-	-	-	-	-	-	-	-
24	C215	Electrical Machines –I	3.00	2.80	2.60	2.60	-	-	-	-	-	-	-	-
25	C216	Environmental Science	2.40	2.40	2.00	2.00	1.00	3.00	3.00	3.00	-	-	-	2.60
26	C217	Basic Simulation Tools Lab	3.00	3.00	2.80	2.60	3.00	-	-	-	3.00	-	-	2.75
27	C218	Electrical Circuits Lab	3.00	3.00	2.80	2.60	-	-	-	-	3.00	-	-	2.60
28	C219	PEHVSD						3.00	3.00	3.00	3.00	3.00	-	3.00
29	C221	Electronic Circuits	3.00	3.00	3.00	3.00		2.00			2.00			1.00
30	C222	STLD	3.00	3.00	3.00	3.00		2.00			2.00			2.00
31	C223	Fluid Mechanics and Hydraulic Machines	3.00	3.00	1.00	2.00	-	-	-	-	-	-	-	-
32	C224	Electrical Machines-II	3.00	2.60	2.80	2.60	-	-	-	-	-	-	-	3.00
33	C225	Power Systems-I	3.00	3.00	2.60	2.60	2.60	-	-	-	-	-	-	3.00
34	C226	Control Systems	3.00	2.80	2.60	2.00	3.00	-	-	-	-	-	-	3.00
35	C227	Electrical Machines Lab-I	3.00	3.00	2.00	3.00	-	-	-	-	3.00	-	-	2.60
36	C228	Electronic Devices and Circuits lab	2.40	2.40	2.20	2.40	-	2.60	-	-	2.00	-	-	-
37	C229	DISASTER MANAGEMENT	-	-	-	-	-	3.00	3.00	3.00	3.00	3.00	-	-
38	C311	Managerial Economics and Financial Accounts	3.00	1.00	3.00		3.00	2.00	-		2.00	3.00	3.00	-
39	C312	Power Electronics	2.80	2.80	2.60	2	-	-	-	-	-	-	-	2.60
40	C313	Power Systems-II	2.80	2.80	2.60	2.60	-	-	-	-	-	-	-	2.40
41	C314	Electrical Machines-III	2.80	2.80	2.00	3.00	-	-	-	-	-	-	-	2.00
42	C315A	Smart City	2.20	2.20	1.80	2.00	2.70	-	2.20	1.80	2.00	1.20	1.50	2.30
43	C315B	Elements of Mechanical Engineering	2.50	2.25	2.50	2.00	1.25	-	2.25	1.00	2.25	2.00	-	2.00
44	C315C	Java Programming	3.00	3.00	3.00	3.00	3.00	2.00	1.00	1.00	3.00	1.40	-	2.00

45	C315D	Operating Systems	3.00	2.60	2.40	2.40	2.40	2.00	1.67	1.67	1.60	2.00	1.80	1.60
46	C315E	Total Quality Management	2.00	1.00	2.60	2.33	2.25	2.00	3.00	1.00	3.00	2.50	1.50	3.00
47	C315F	Industrial Engineering	2.00	1.00	3.00	1.00	-	-	-	-	-	-	-	2.00
48	C316	High Voltage Engineering	2.66	3.00	2.50	3.00	-	-	-	-	-	-	-	3.00
49	C317	Electrical Machines Lab-II	3.00	3.00	2.00	2.40	2.00				3.00			3.00
50	C318	Control Systems & Simulation Lab	3.00	2.60	2.00	2.75	3.00				3.00			2.20
51	C319	Personality Development & Behavioral Skills	-	-	1.00	-	3.00	3.00	3.00	3.00	2.33	2.33	2.00	3.00
52	C321	IC Applications	3.00	3.00	3.00	3.00	-	-	-	-	-	-	-	2.00
53	C322	Electrical Measurements & Measuring Instruments	3.00	2.80	2.80	2.80	-	-	-	-	-	-	-	2.00
54	C323	Power Semiconductor Drives	3.00	2.80	2.80	2.80	-	-	-	-	-	-	-	2.60
55	C324	Switchgear & Protection	3.00	2.80	2.80	2.75	-	-	-	-	-	-	-	2.60
56	C325A	Environment Pollution & Control Methods	1.80	2.00	1.70	1.50	2.00	-	-	-	1.00	1.00		1.00
57	C325B	Green Building Technologies	2.20	2.00	1.80	2.00	2.00	2.20	2.80	1.60	2.20	1.00	1.50	1.40
58	C325C	Basic Automobile Engineering	2.40	1.20	1.20	2.40	-	-	3.00	2.00	-	-	-	1.40
59	C325D	Material Science Engineering	1.60	1.00	2.40	2.20	2.00	2.20	2.25	-	3.00	2.00	-	3.00
60	C325E	Data Base Management Systems	3.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00
61	C325F	Software Engineering	3.00	2.00	3.00	3.00	2.00	3.00	3.00	1.00	2.00	2.00	3.00	3.00
62	C325G	Financial Institutions and Markets	-	-	-	-	3.00	-	-	-	-	2.00	3.00	3.00

63	C325H	Fundamentals of Nano Science and Technology	3.00	2.33	2.25	2.33	1.75	2.25	2.80	-	-	-	-	3.00
64	C326	Renewable Energy Sources	3.00	3.00	2.60	2.40			3.00					2.00
65	C327	Power Electronics and Simulation Lab	3.00	2.80	2.80	2.00	3.00				3.00			3.00
66	C328	Advanced Communication Skills Lab	2.60	2.00	2.00	1.50	1.75		1.00	-	1.00	3.00	2.00	2.00
67	C329	Quantitative Methods & Logical Reasoning	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	3.00	-
68	C411	Microprocessors and Interfacing Devices	3.00	3.00	3.00	3.00	2.00				1.50	1.00		2.00
69	C412	Power Systems Operation & Control	3.00	3.00	2.80	2.50								2.00
70	C413	Computer Methods In Power Systems	3.00	3.00	2.80	2.80	2.00							2.00
71	C414	Electrical Distribution Systems	2.80	2.60	2.00	2.00							-	2.00
72	C415	Electrical Estimation and Costing	3.00	2.80	2.60	2.60								3.00
73	C416A	Elements of Civil Engineering	1.00	2.00	2.00	2.00	2.00	2.00	2.00	-	2.50	2.50	2.50	2.60
74	C416B	Introduction to Earthquake Engineering	3.00	2.40	2.00		-	2.00	1.60	-				1.00
75	C416C	Optimization Techniques	1.60	3.00	2.40	2.20	2.00	2.20	1.00	-	1.00	2.00	-	3.00
76	C416D	Maintenance and Safety Engineering	3.00	2.00	3.00	3.00	2.00	3.00	3.00	-	2.00	2.00	3.00	3.00
77	C416E	Web Design	3.00	2.00	3.00	3.00	2.00	3.00	3.00	-	2.00	2.00	3.00	3.00
78	C416F	Fundamentals of Entrepreneurship	-	2.50	3.00	-	3.00	2.00	2.33	3.00	-	-	2.50	2.60
79	C417	Electrical Measurements	3	3	2.6	2					3	3		2

		Lab												
80	C418	Microprocessors and Interfacing Devices Lab	3.00	3.00	3.00	3.00	3.00	1.00	-	-	2.00	3.00	-	3.00
81	C419	Industry Oriented Mini Project	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
82	C421	Utilization Of Electrical Energy	3.00	2.40	2.00	2.40	2.40	-	-	-	-	-	-	2.33
83	C422	Fundamentals of HVDC and FACTS Devices	3.00	3.00	2.50	3.00								2.00
84	C423	EHVAC Transmission	3.00	2.20	1.00	2.25							-	2.00
85	C424	Seminar	3.00	3.00	3.00	3.00	3.00	-	-	-	1.00	3.00	-	2.00
86	C425	Comprehensive Viva Voce	3.00	2.00	2.00	2.00	2.00	3.00	3.00	-	-	3.00	3.00	2.00
87	C426	Major Project	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

CO – PSO Mapping

Table 3.1.2 CO-PSO Mapping

S.No	Code	Course	PSO1	PSO2
1	C111	English-I	2.50	2.00
2	C112	Mathematics - I	3.00	3.00
3	C113	Engineering Physics-I	2.40	2.20
4	C114	C Programming – I	2.00	-
5	C115	Engineering Chemistry	3.00	-
6	C116	Electrical circuits	3.00	-
7	C117	English Language Communication Skills Lab-I	3.00	2.00
8	C118	C Programming Lab – I	3.00	-
9	C119	Engineering Physics and Chemistry Lab	3.00	2.40
10	C11A	IT & Engineering Workshop	3.00	-
11	C121	English-II	3.00	-

12	C122	Engineering Graphics	3.00	2.00
13	C123	Engineering Physics-II	2.50	2.20
14	C124	C Programming – II	2.80	-
15	C125	Mathematics – II	3.00	3.00
16	C126	Mathematics – III	2.60	3.00
17	C127	English Language Communication Skills Lab-II	3.00	-
18	C128	C Programming Lab –II	2.50	-
19	C129	Engineering Physics Lab	2.40	-
20	C211	Mathematics-IV	1.80	2.20
21	C212	Electronic Devices & Circuits	3.00	-
22	C213	Network Theory	3.00	-
23	C214	Electro Magnetic Fields	3.00	-
24	C215	Electrical Machines –I	3.00	-
25	C216	Environmental Science	2.30	1.50
26	C217	Basic Simulation Tools Lab	3.00	3.00
27	C218	Electrical Circuits Lab	3.00	-
28	C219	PEHVSD		
29	C221	Electronic Circuits	3.00	-
30	C222	Switching Theory & Logic Design	3.00	-
31	C223	Fluid Mechanics and Hydraulic Machines	2.00	-
32	C224	Electrical Machines-II	3.00	-
33	C225	Power Systems-I	3.00	-
34	C226	Control Systems	3.00	-
35	C227	Electrical Machines Lab-I	3.00	-
36	C228	Electronic Devices and Circuits lab	3.00	-
37	C229	Disaster Management	-	-
38	C311	Managerial Economics and Financial Accounts	-	2.66
39	C312	Power Electronics	3.00	-
40	C313	Power Systems-II	3.00	-
41	C314	Electrical Machines-III	3.00	-
42	C315A	Smart City	-	-

43	C315B	Elements of Mechanical Engineering	-	-
44	C315C	Java Programming	-	-
45	C315D	Operating Systems	-	-
46	C315E	Total Quality Management	-	-
47	C315F	Industrial Engineering	-	-
48	C316	HVE	3.00	-
49	C317	Electrical Machines Lab-II	3.00	-
50	C318	Control Systems & Simulation Lab	3.00	3.00
51	C319	Personality Development & Behavioral Skills	-	-
52	C321	IC Applications	2.00	2.00
53	C322	Electrical Measurements & Measuring Instruments	3.00	-
54	C323	Power Semiconductor Drives	3.00	-
55	C324	Switchgear & Protection	3.00	-
56	C325A	Environment Pollution & Control Methods	-	-
57	C325B	Green Building Technologies	-	-
58	C325C	Basic Automobile Engineering	-	-
59	C325D	Material Science Engineering	-	-
60	C325E	Data Base Management Systems	-	-
61	C325F	Software Engineering	-	-
62	C325G	Financial Institutions and Markets	-	-
63	C325H	Fundamentals of Nano Science and Technology	-	-
64	C326	Renewable Energy Sources	3.00	-
65	C327	Power Electronics and Simulation Lab	3.00	3.00
66	C328	Advanced Communication Skills Lab	2.25	1.50
67	C329	Quantitative Methods & Logical Reasoning	-	-
68	C411	Microprocessors and Interfacing Devices	3.00	-
69	C412	Power Systems Operation & Control	3.00	-
70	C413	Computer Methods In Power Systems	2.60	-
71	C414	Electrical Distribution Systems	3.00	-
72	C415	Electrical Estimation and Costing	3.00	-
73	C416A	Elements of Civil Engineering	-	-

74	C416B	Introduction to Earthquake Engineering	-	-
75	C416C	Optimization Techniques	-	-
76	C416D	Maintenance and Safety Engineering	-	-
77	C416E	Web Design	-	-
78	C416F	Fundamentals of Entrepreneurship	-	-
79	C417	Electrical Measurements Lab	3.00	-
80	C418	Microprocessors and Interfacing Devices Lab	2.00	2.00
81	C419	Industry Oriented Mini Project	3.00	3.00
82	C421	Utilization Of Electrical Energy	3.00	3.00
83	C422	Fundamentals of HVDC and FACTS Devices	3.00	-
84	C423	EHVAC Transmission	3.00	-
85	C424	Seminar	3.00	-
86	C425	Comprehensive Viva Voce	3.00	3.00
87	C426	Major Project	3.00	3.00

3.2 Attainment of Course Outcomes (75)

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

Assessment Process

The evaluation of Course Outcomes is done through Direct Assessment Method and Indirect Assessment Method whose composition is as follows.

Overall COs Assessment = 80% of Direct Assessment of COs + 20% of Indirect Assessment of COs

Direct Assessment Method is applied to assess the student's knowledge and skills from their performance in the Continuous Internal Evaluation, Semester End Examinations, Seminars, Assignments and Projects.

Indirect Assessment Method is carried out by conducting a survey among the students at the end of every semester which reflects level of inculcation of the courses.

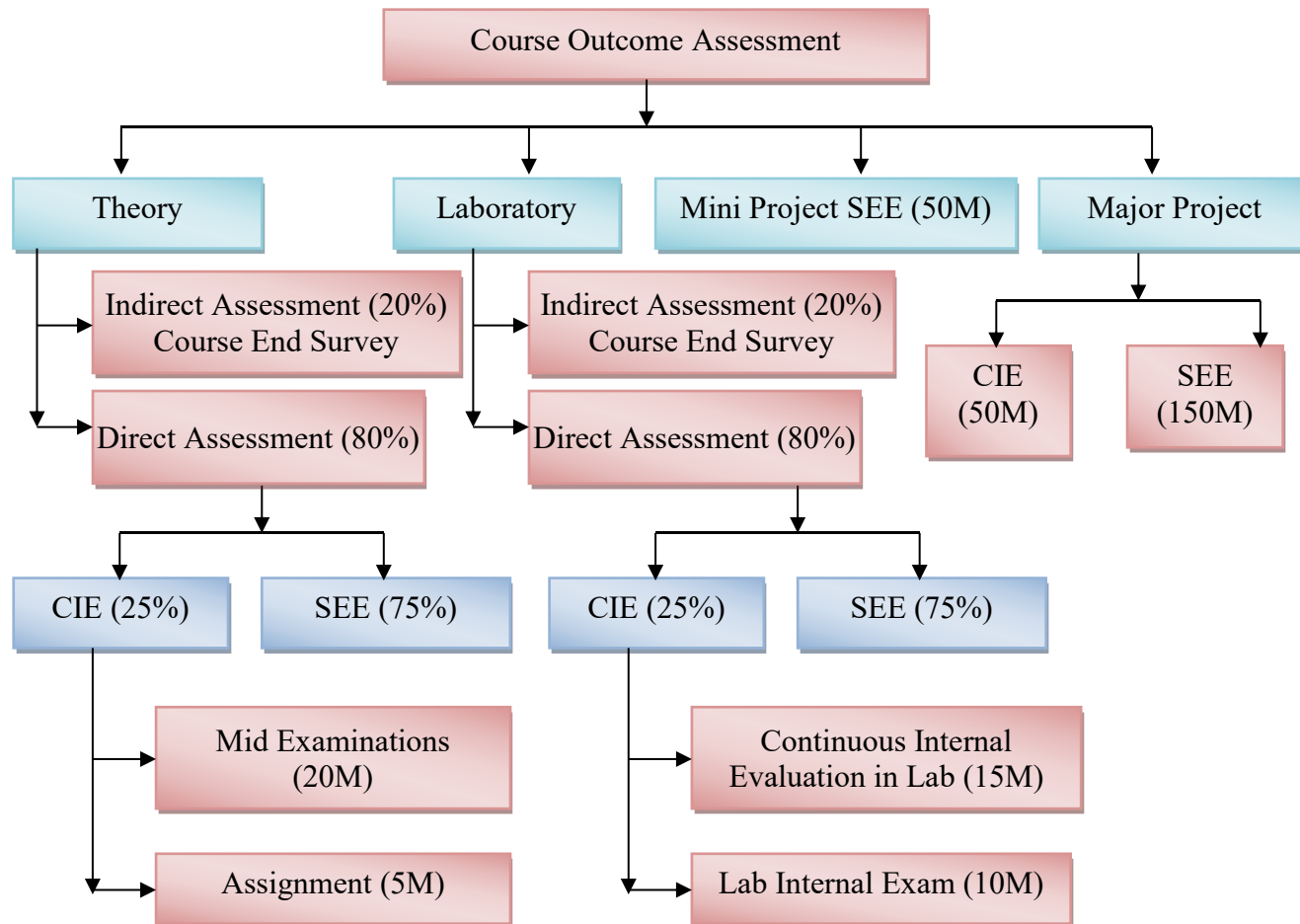


Fig 3.2.1 CO Assessment Process

Assessment process for the attainment of Course Outcomes for R15 Course Structure

The course outcomes were prepared by the action verbs of blooms taxonomy. All the course outcomes are defined in such a way that they are measurable by means of written, oral skills, assignments, presentations and demonstrations.

The following are the direct assessment tools adopted for collection of data for evaluation of course outcomes:

1. Continuous Internal Evaluation (CIE)
2. Semester End Examinations (SEE)
3. Laboratory Evaluation
4. Industry Oriented Mini Project
5. Technical Seminar
6. Comprehensive Viva Voce
7. Major Project

Direct Assessment Tools

1. Continuous Internal Evaluation (CIE)

Table 3.2.1(a) Continuous Internal Evaluation

Assessment Tool: Continuous Internal Evaluation(CIE)(Mid Exams + Assignments)				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
Two Mid Exams of 90 minutes duration are conducted for 20Marks, for two and half units each.	20 + 5 = 25Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
Two Assignments are given to the students before MID exams which has a weightage of 5M			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1

2. Semester End Examinations (SEE)

Table 3.2.1(b) Semester End Examinations

Assessment Tool: Semester End Examinations (SEE)				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
At the end of each semester, Semester End Examination for duration of three hours will be conducted for all the courses covering the entire syllabus and satisfies all course outcomes for the particular course.	75 Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1

3. Laboratory Evaluation

Table 3.2.1(c) Laboratory Evaluation

Assessment Tool: Laboratory Evaluation				
Tool Description	Weightage	Threshold	Attainment level Criteria	Attainment

	of Marks	level (%)		level
<p>Continuous Evaluation of Laboratory courses are carried out as per the lab schedule where day to day performance of a student is evaluated as per a defined rubric, which covers all the experiments by the laboratory in-charge(s) . Apart from CIE, two lab internal assessments are done for the lab courses for a weightage of 10 M.</p> <p>Total Lab Marks (25M) = Average of the marks obtained by the students in the two assessments (10M) + CIE (15M). The end semester examinations are of three hour duration and cover all the experiments of the course and satisfy all course outcomes, which will be evaluated for 50Marks.</p>	25M (Internal) + 50M (External) = 75Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1

4. Industry Oriented Mini Project

Table 3.2.1(d) Industry Oriented Mini Project

Assessment Tool: Industry Oriented Mini Project				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
It provides an opportunity for students to observe the process and practices implemented in an industry, thereby plan and carry out a Mini Project, implementing the techniques unders tood.	50Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted.	1

Table 3.2.1(e) Rubrics for Evaluation of Industry Oriented Mini Project

RUBRICS FOR EVALUATION OF INDUSTRY ORIENTED MINI PROJECT		MARKS
I	Relevance of the Area chosen with societal Problems and Eco-friendly solutions	5M
II	Literature Survey on the innovations in technology applicable to the area chosen	5M
III	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness	10M
IV	Theoretical Analysis/Experimental Observation with ethical values	10M
V	Implementation ,Presentation of Results & Discussion	10M
VI	Conclusions and scope for future work	10M
Total Marks		50M

5. Technical Seminar Evaluation

Table 3.2.1(f) Technical Seminar Evaluation

Assessment Tool: Technical Seminar				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
There shall be a technical seminar presentation in IV year II semester, for which the student shall collect information on a specialized topic in the field of engineering and technology, prepare a technical report, and submit the same to the Department Review Committee (DRC). DRC consisting of Head of the Department, seminar supervisor and three senior faculty members shall evaluate the report. Performance response with respect to technical seminar shall be evaluated for 50 internal marks.	50	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1

Table 3.2.1(g) Rubrics for Technical Seminar

Rubrics For Technical Seminar		MARKS
I	Literature Review	10M
II	Subject Knowledge	10M
III	Communication Skills	10M
IV	Presentation	10M
V	Report	10M
Total Marks		50M

6. Comprehensive Viva Voce**Table 3.2.1(h) Comprehensive Viva Voce**

Assessment Tool: Comprehensive Viva				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
Comprehensive Viva-Voce will be conducted by a committee consisting of Head of the Department and Course Coordinators. The Comprehensive Viva-Voce is intended to assess the student's competency on the subjects he / she studied during the course of study. It is conducted for 100M.	100 Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1

Table 3.2.1(i) Rubrics for Comprehensive Viva Voce

Rubrics For Comprehensive Viva Voce		MARKS
I	Knowledge in basic engineering	20M
II	Problem solving ability	20M
III	Presentation Ability	20M
IV	Communication Skills	20M
V	Critical Thinking	20M
Total Marks		100M

7. Major Project

Table 3.2.1(j) Major Project

Assessment Tool: Major Project				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
Projects will be selected based on the student's interest. Students are given freedom to form batches of their choice, comprising of a maximum of 4 students. Each batch will be mentored by a faculty (guide). Project batches are allotted to the guide(s) by the project coordinators, mapping the interest of the students with the area of interest/research work carried by the faculty. Three Internal Project Reviews are conducted by a panel of project coordinators, internal project guide and HoD. The internal reviews are conducted for 50M and External Project viva voce is conducted for 150M. Total Marks of 200M for Project are awarded based on the rubrics defined.	200M = 50M (Internal Evaluation) + 150M (External Evaluation)	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1

Table 3.2.1(k) Rubrics for Internal evaluation of Major Project

Rubrics For Internal Evaluation Of Major Project		
S.No.	Project Review I	MARKS
I	Understanding background and topic	3M
II	Specific Project goals	2M
III	Literature Survey	2M
IV	Project Planning	4M
V	Presentation skills	4M
Project Review II		
I	Specific Project goals	2M
II	Specific testing platforms and bench mark systems	3M
III	Project Planning	2M
IV	Technical Design	3M
V	Summary of the findings of Project	2M
VI	Presentation Skills	3M
Final Project Review		
I	Abstract	2M
II	Research Methodology	4M
III	Results obtained and performance Evaluation	5M
IV	Pre - final draft of entire project	5M
V	Presentation skills	4M
Total Marks		50M

Table 3.2.1(l) Rubrics for evaluation of Major Project by External Examiner

RUBRICS FOR EVALUATION OF MAJOR PROJECT BY EXTERNAL EXAMINER		MARKS
I	Relevance of the Area chosen with societal Problems and Eco-friendly solutions	15M
II	Literature Survey on the innovations in technology applicable to the area chosen	15M
III	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness	30M
IV	Theoretical Analysis/Experimental Observation with ethical values	30M
V	Implementation ,Presentation of Results & Discussion	40M
VI	Conclusions and scope for future work	20M
Total Marks		150M

Table 3.2.1(m) Indirect Assessment Tools

Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
To aid and improvise on the Teaching Learning Process, students are provided an opportunity to express in the form of a feedback on their inculcation and understanding of the course content summarized in the form of COs and is taken as indirect assessment tool for the attainment of COs.	-	-	The strength of correlation of COs with Course is indicated as “3” for substantial (high) correlation, “2” for moderate (medium) correlation and “1” for slight (low) correlation and “-“.	The strength of correlation of COs with course as indicated as “3” for substantial (high) correlation, “2” for moderate (medium) correlation and “1” for slight (low) correlation and “-“ are opted by students in Course End Survey

3.2.2 Record the attainment of course outcomes of all courses with respect to set attainment levels (65)

Assessment of course outcomes:

Table 3.2.2(a) Assessment of course outcomes

Course outcome	Course outcome attainment level from internal assessment	Course outcome attainment level from university exams (Semester End Examinations)	CO Direct Attainment	CO Indirect Attainment	Overall CO Attainment
<i>CO Attainment</i>	a_1	b_1	c_1	d_1	$0.8c_1+0.2d_1$

$$a_1 = \frac{(Mid - 1 + Mid - 2)}{2}$$

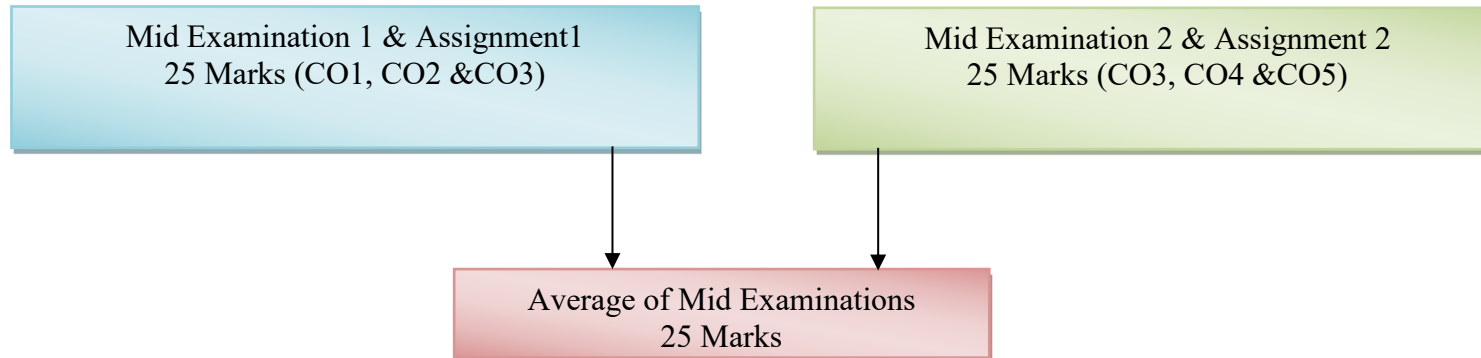
$$c_1 = 0.25 (a_1) + 0.75 (b_1)$$

$$d_1 = \frac{(1*x)+(2*y)+(3*z)}{x+y+z}$$

x – Number of students opted for low option

y - Number of students opted for medium option

z – Number of students opted for high option

CO - Direct Assessment Evaluation**1. Continuous Internal Evaluation (CIE)****Fig 3.2.2(a) Division of COs Continuous Internal Evaluation**

- Total Duration: 90 Minutes
- Subjective Paper: 20 Marks
- Assignment: 5M
- Minimum Expected Marks for Course Attainment : 60% of Maximum Marks(25) is 15 Marks

2. Semester End Examinations(SEE)

- Total Duration: 3 Hours
- Subjective Paper: 75 Marks
- Minimum Marks for Pass: 26M (35% of Maximum Marks 75)
- Minimum Expected Marks for Course Attainment: 60% of Maximum Marks (75) is 45 Marks.

Direct Assessment Evaluation Process

Table 3.2.2(b) Metrics for Direct Assessment’s Attainment Levels

Attainment Level Criteria	Set Attainment Level
60% of marks are obtained by more than or equal to 70% of students attempted.	3
60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
60% of marks are obtained by more than 50% and less than 60% of students attempted	1

Sample Assessment Sheet for Direct CO Attainment

Name of the Sample Course: Power Electronics

Year/ Sem: III EEE I Semester

Academic Year: 2018-19

BATCH: 2016-20

		MID I Threshold 60%								MID II Threshold 60%						Threshold 60%		
S.No	Reg.No	ASM - I (5)	PART-A				PART-B				ASM - II (5)	PART-A			PART-B			End Exam (75M)
			Q1(2M)	Q2(2M)	Q3(2M)	Q4(5M)	Q5(5M)	Q6(4M)	Q1(2M)	Q2(2M)		Q3 (2M)	Q4(4M)	Q5(5M)	Q6(5M)			
1	15911A0230	5	AB	AB	AB	AB	AB	AB	AB	5	0	0	2	4	5	4	11	
2	15911A0261	5	1	1	2	4	4	4	5	2	2	2	4	4	4	26		
3	15911A0275	5	2	2	2	4	4	4	5	2	2	2	4	5	4	46		
4	15911A0278	5		2	2	1	2	3	5	2	2	2	4	2	2	26		
5	15911A0280	5	2	2	2	2			5	2		2	4	4	4	5		
6	16911A0201	5	2	2	2	4	4	4	5	2		2	2		2	47		
7	16911A0202	5	2	2	2	4	5	4	5	2	2	2	4	4	4	55		
Average marks		5	2.0	1.9	1.7	3.8	4.0	3.4	5	1.9	1.8	1.7	3.3	3.5	3.4	41.3		
No of students attempted		109	100	97	106	95	92	94	109	102	99	105	101	97	97	109		
No of students scored 60% and above		109	95	93	70	80	81	82	109	93	84	27	75	69	74	66		
%of students scored 60% and above		100	95.00	95.88	66.04	84.21	88.04	87.23	100	91.18	84.85	74.29	74.26	71.13	76.29	60.55		
CO ATTAINMENT LEVEL		3	3.0	3.0	2.0	3.0	3.0	3.0	3	3.0	3.0	3.0	3.0	3.0	3.0	2.0		

Fig. 3.2.2(b) Sample of Direct CO Attainment

ASSESSMENT OF COs FOR THE COURSE						
CO	Method	value	Average	Internal Exam	External Exam	Overall CO Attainment
CO 1	MID I Q1	3.0	2.75	2.90	2.00	2.23
	MID I Q3	2.0				
	MID I Q4	3.0				
	ASM-I	3.0				
CO 2	MID I Q2	3.0	2.75			
	MID1 Q3	2.0				
	MID I Q5	3.0				
	ASM-I	3.0				
CO 3	MID I Q6	3.0	3.00			
	MID 2 Q4	3.0				
	ASM-I	3.0				
	ASM-II	3.0				
CO 4	MID 2 Q1	3.0	3.00			
	MID 2 Q3	3.0				
	MID 2 Q5	3.0				
	ASM-II	3.0				
CO5	MID 2 Q2	3.0	3.00			
	MID 2 Q3	3.0				
	MID 2 Q6	3.0				
	ASM-II	3.0				

Fig. 3.2.2(c) Sample of Direct CO Attainment from Internal Exam and External Exam

CO - Indirect Attainment Evaluation:

Course End Survey: At the end of each semester a questionnaire is distributed to all the enrolled students and feedback is collected on effectiveness of the course. The questionnaire is prepared to know the level mapping of the Course Outcome with the framed Course content.



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(An Autonomous Institution)
 (Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)
 Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic year: 2017-18

Regulation: R15

Name of the student		Year & Sem	II/I
Roll number		Subject	MATHEMATICS-IV

Dear Student,

We need your help in evaluating the courses offered, by responding the short survey below.

Your feedback is very valuable for us in order to continually improve our program. The aim of this survey is to evaluate how well each of the courses has prepared you to have necessary skills.

Your responses will be kept confidential and will not be revealed to anyone outside the department without your permission.

Please indicate (✓) the level to which you agree with the following criterion:
 (1: Low 2: Moderate 3: High)

Name of The Course: MATHEMATICS IV		RATING		
After completing this course the student must demonstrate the knowledge and ability		3	2	1
CO 1	Acquire the knowledge of Special functions.			
CO 2	Work with the functions of complex variables and evaluation of complex differentiation.			
CO 3	Acquire the knowledge of complex power series and integration.			
CO 4	Work with contour integration and evaluation of real definite integrals			
CO 5	Acquire the knowledge of evaluating conformal mapping and bilinear transformations.			

Any other comments/suggestions:

Signature

Fig. 3.2.2(d) Sample of Course End Survey Form

CO - Indirect Attainment Calculation:**Power Electronics Course End Survey Report:**

$$\text{CO - Indirect Attainment (b1)} = \frac{(1*x)+(2*y)+(3*z)}{x+y+z}$$

x – Number of students opted for low option

y - Number of students opted for medium option

z – Number of students opted for high option

$$\text{CO1 Attainment} = \frac{(1*2)+(2*10)+(3*97)}{2+10+97} = 2.87$$

Table 3.2.2(c) CO – Indirect Attainment for Power Electronics Course

PE COURSE	Slight	Moderate	Substantial High	Total	Attainment
CO1	2	10	97	109	2.87
CO2	2	9	96	109	2.82
CO3	2	10	97	109	2.87
CO4	2	10	97	109	2.87
CO5	2	10	97	109	2.87
				Average	2.86

CO - Attainment:

CO Attainment of each course is obtained from 80% of Direct Attainment and 20% of Indirect Attainment.

Name of the Sample Course: Power Electronics

Year/ Sem: III EEE I Semester

Table 3.2.2(d) CO Attainment for Power Electronics Course

Type Of Assessment	Co Attainment
Direct Attainment(DA)	2.23
Indirect Attainment(IDA)	2.86
Course Co Attainment (80% of DA+20% of IDA)	2.36

CO Attainment (2016-2020 BATCH)**Table 3.2.2(e) CO Attainment of 2016-2020 Batch B.Tech EEE Students**

S.No	Code	Course	CO Direct Attainment	CO Indirect Attainment	CO Overall Attainment
1	C111	English-I	2.25	2.68	2.34
2	C112	Mathematics - I	2.12	2.68	2.23
3	C113	Engineering Physics-I	2.23	2.86	2.36
4	C114	C Programming – I	2.21	2.85	2.34
5	C115	Engineering Chemistry	2.24	2.65	2.32
6	C116	Electrical circuits	2.14	2.55	2.22
7	C117	English Language Communication Skills Lab-I	3	2.78	2.96
8	C118	C Programming Lab – I	3	2.56	2.91
9	C119	Engineering Physics and Chemistry Lab	3	2.78	2.96
10	C11A	IT & Engineering Workshop	3	2.88	2.98
11	C121	English-II	3	2.78	2.96
12	C122	Engineering Graphics	2.14	2.73	2.26
13	C123	Engineering Physics-II	2.15	2.84	2.29
14	C124	C Programming – II	2.14	2.83	2.28
15	C125	Mathematics – II	2.11	2.79	2.25
16	C126	Mathematics – III	2.12	2.69	2.23
17	C127	English Language Communication Skills Lab-II	3	2.81	2.96
18	C128	C Programming Lab –II	3	2.78	2.96

19	C129	Engineering Physics Lab	3	2.88	2.98
20	C211	Mathematics-IV	2.22	2.78	2.33
21	C212	Electronic Devices & Circuits	2.25	2.73	2.35
22	C213	Network Theory	2.26	2.84	2.38
23	C214	Electro Magnetic Fields	2.31	2.83	2.41
24	C215	Electrical Machines –I	2.23	2.79	2.34
25	C216	Environmental Science	2.25	2.69	2.34
26	C217	Basic Simulation Tools Lab	3	2.85	2.97
27	C218	Electrical Circuits Lab	3	2.78	2.96
28	C219	PEHVSD	2.51	2.81	2.57
29	C221	Electronic Circuits	2.23	2.78	2.34
30	C222	STLD	2.34	2.69	2.41
31	C223	Fluid Mechanics and Hydraulic Machines	2.24	2.77	2.35
32	C224	Electrical Machines-II	2.24	2.89	2.37
33	C225	Power Systems-I	2.23	2.86	2.36
34	C226	Control Systems	2.19	2.77	2.31
35	C227	Electrical Machines Lab-I	3	2.89	2.98
36	C228	Electronic Devices and Circuits lab	3	2.89	2.98
37	C229	DISASTER MANAGEMENT	2.52	2.68	2.55
38	C311	Managerial Economics and Financial Accounts	2.52	2.68	2.55
39	C312	Power Electronics	2.23	2.86	2.36
40	C313	Power Systems-II	2.52	2.85	2.59
41	C314	Electrical Machines-III	2.16	2.65	2.26
42	C315A	Smart City	2.89	2.55	2.82
43	C315B	Elements of Mechanical Engineering	2.8	2.78	2.80
44	C315C	Java Programming	2.08	2.56	2.18
45	C315D	Operating Systems	2.8	2.78	2.80
46	C315E	Total Quality Management	2.8	2.88	2.82
47	C315F	Industrial Engineering	2.14	2.9	2.29
48	C316	HVE	2.45	2.78	2.52
49	C317	Electrical Machines Lab-II	3	2.73	2.95

50	C318	Control Systems & Simulation Lab	3	2.84	2.97
51	C319	Personality Development & Behavioral Skills	2.21	2.83	2.33
52	C321	IC Applications	2.2	2.79	2.32
53	C322	Electrical Measurements & Measuring Instruments	2.45	2.69	2.50
54	C323	Power Semiconductor Drives	2.24	2.81	2.35
55	C324	Switchgear & Protection	2.24	2.81	2.35
56	C325A	Environment Pollution & Control Methods	2.81	2.78	2.80
57	C325B	Green Building Technologies	2.65	2.69	2.66
58	C325C	Basic Automobile Engineering	2.16	2.77	2.28
59	C325D	Material Science Engineering	2.13	2.89	2.28
60	C325E	Data Base Management Systems	2.2	2.84	2.33
61	C325F	Software Engineering	2.2	2.86	2.33
62	C325G	Financial Institutions and Markets	2.25	2.68	2.34
63	C325H	Fundamentals of Nano Science and Technology	2.11	2.84	2.26
64	C326	Renewable Energy Sources	2.16	2.68	2.26
65	C327	Power Electronics and Simulation Lab	3	2.86	2.97
66	C328	Advanced Communication Skills Lab	3	2.85	2.97
67	C329	Quantitative Methods & Logical Reasoning	2.25	2.65	2.33
68	C411	Microprocessors and Interfacing Devices	2.2	2.55	2.27
69	C412	Power Systems Operation & Control	2.34	2.78	2.43
70	C413	Computer Methods In Power Systems	2.32	2.56	2.37
71	C414	Electrical Distribution Systems	2.45	2.78	2.52
72	C415	Electrical Estimation and Costing	2.18	2.88	2.32
73	C416A	Elements of Civil Engineering	2.18	2.78	2.30
74	C416B	Introduction to Earthquake Engineering	3	2.73	2.95
75	C416C	Optimization Techniques	2.18	2.84	2.31
76	C416D	Maintenance and Safety Engineering	2.2	2.83	2.33
77	C416E	Web Design	2.95	2.79	2.92
78	C416F	Fundamentals of Entrepreneurship	2.2	2.69	2.30
79	C417	Electrical Measurements Lab	3	2.81	2.96
80	C418	Microprocessors and Interfacing Devices Lab	3	2.83	2.97

81	C419	Industry Oriented Mini Project	3	2.79	2.96
82	C421	Utilization Of Electrical Energy	2.98	2.69	2.92
83	C422	Fundamentals of HVDC and FACTS Devices	2.96	2.78	2.92
84	C423	EHVAC Transmission	2.98	2.83	2.95
85	C424	Seminar	3	2.89	2.98
86	C425	Comprehensive Viva Voce	3	2.85	2.97
87	C426	Major Project	3	2.85	2.97

3.3. Attainment of POs and PSOs (75)

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

The Program Outcome and Program Specific Outcome are assessed through the following Direct and Indirect assessment tools.

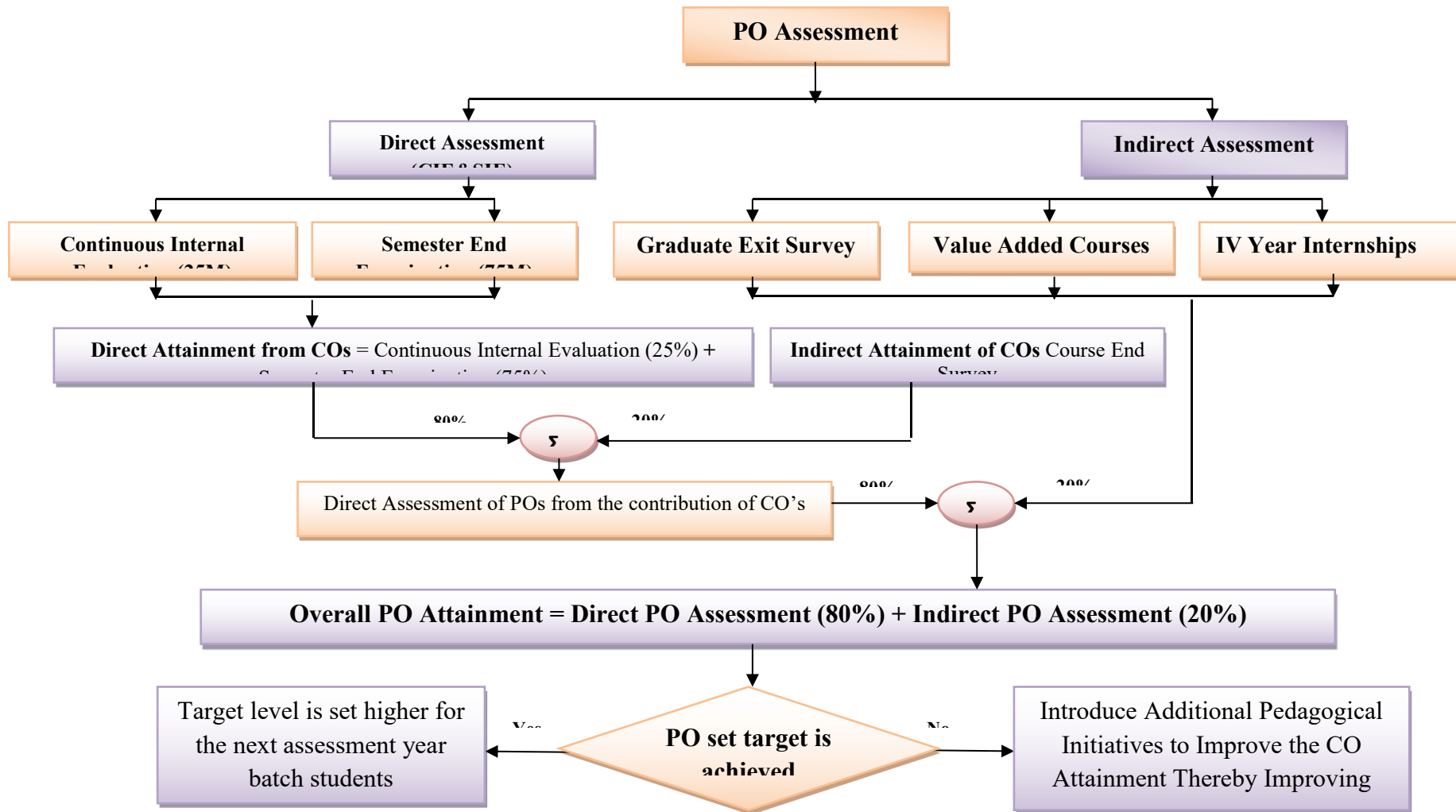


Fig 3.3.1 PO Assessment Process

The direct and indirect assessment tools tabulated in following table are used for the evaluation of POs and PSOs.

Table 3.3.1(a) PO and PSO Assessment Tools

Assessment Tools	Assessment Frequency	Assessed by	Reviewed by	Assessing PO'S
Direct Assessment Tools				
(Theory & Lab) Mid Examination	Twice in Semester	Course coordinator & Course Faculty	PAC	PO1 – PO12 PSO1 & PSO2
Laboratory Examination	Twice in Semester	Course coordinator & Course Faculty	PAC	PO1 – PO12 PSO1 & PSO2
Semester End Examination	Once in Semester	External Evaluators	External Evaluators	PO1 – PO12 PSO1 & PSO2
Seminar & Comprehensive Viva Voce	Once	DRC	PAC	PO1 – PO12 PSO1 & PSO2
Mini Project	Once	DRC	PAC	PO1 – PO12 PSO1 & PSO2
Major Project	Four times in a semester	DRC	PAC	PO1 – PO12 PSO1 & PSO2
Indirect Assessment Tools				
Graduate Exit Survey	At the end of the Program	Program Coordinator & PAC	PAC	PO1 – PO12 PSO1 & PSO2
Value Added Courses	At the end of the Program	Program Coordinator & PAC	PAC	PO1 – PO12 PSO1 & PSO2
IV Year Internships	At the end of the Program	Program Coordinator & PAC	PAC	PO1 – PO12 PSO1 & PSO2

Calculation of PO Attainment**Table 3.3.1(b) Calculation of PO and PSO Attainment**

PO Attainment	Direct Assessment	Continuous Internal Evaluation, Semester End Examination, Assignments, Seminar and Projects	80%
	Indirect assessment	Graduate Exit Survey, Value Added Courses and IV Year Internships(Average of all the three is considered)	20%

3.3.2 Provide results of evaluation of PO & PSO (65)

The 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 matrices as indicated.

PO and PSO Attainment of 2016-2020 Batch**Table 3.3.2(a) PO Direct Attainment**

S.No	Code	Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	C111	English-I	-	2.23	1.91	-	2.87	2.39	1.91	2.63	-	2.49	1.91	2.87
2	C112	Mathematics - I	2.09	2.25	1.61	2.14	1.61	1.77	1.61	-	1.61	-	-	2.09
3	C113	Engineering Physics-I	2.13	2.19	1.80	1.64	-	-	2.05	1.64	-	-	1.64	2.13
4	C114	C Programming – I	1.85	1.85	1.85	1.98	1.32	-	-	-	-	-	1.32	1.81
5	C115	Engineering Chemistry	2.40	2.14	2.00	1.60	1.60	1.60	1.60	-	-	-	1.76	1.92
6	C116	Electrical circuits	2.27	2.27	-	1.51	1.66	1.82	-	-	1.51	-	-	1.97
7	C117	English Language Communication Skills Lab-I	2.96	2.96	-	1.97	-	2.30	-	2.96	2.46	2.96	-	2.96
8	C118	C Programming Lab – I	2.72	2.91	2.91	2.72	2.26	1.94	-	-	-	-	1.94	2.91
9	C119	Engineering Physics and Chemistry Lab	2.63	2.46	-	1.97	1.97	-	1.97	-	-	2.30	-	2.63
10	C11A	IT & Engineering Workshop	-	-	-	-	-	-	2.38	2.48	-	2.58	-	2.38
11	C121	English-II	-	2.41	-	1.93	-	1.93	1.93	2.41	1.93	2.41	2.41	2.70
12	C122	Engineering Graphics	1.96	1.96	1.96	1.96	1.31	1.31	-	-	1.64	1.96	-	1.57
13	C123	Engineering	2.13	2.05	1.96	1.84	-	-	2.05	-	-	-	1.64	2.13

		Physics-II												
14	C124	C Programming – II	1.98	1.98	1.85	1.98	1.32	1.45	-	-	-	-	1.72	1.72
15	C125	Mathematics – II	1.72	1.82	1.72	1.49	1.33	1.77	-	-	1.46	-	-	1.59
16	C126	Mathematics – III	-	2.11	-	1.59	-	-	-	-	-	-	1.90	-
17	C127	English Language Communication Skills Lab-II	-	1.97	-	-	-	1.97	-	2.47	2.47	2.76	2.30	2.76
18	C128	C Programming Lab –II	2.56	2.46	2.36	2.36	1.97	-	-	-	-	-	-	2.36
19	C129	Engineering Physics Lab	2.98	2.98	-	2.65	2.48	-	1.98	-	-	-	-	2.38
20	C211	Mathematics-IV	1.87	1.94	-	1.94	-	-	-	-	-	-	1.03	-
21	C212	Electronic Devices & Circuits	1.88	1.88	1.72	1.88	0.78	2.03	-	-	1.56	-	-	-
22	C213	Network Theory	2.38	2.38	2.22	2.22	-	-	-	-	-	-	-	1.85
23	C214	Electro Magnetic Fields	2.41	2.41	2.25	2.41	-	-	-	-	-	-	-	-
24	C215	Electrical Machines –I	2.34	2.19	2.03	2.03	-	-	-	-	-	-	-	-
25	C216	Environmental Science	1.87	1.87	1.56	1.56	-	2.34	2.34	2.34	-	-	-	2.03
26	C217	Basic Simulation Tools Lab	2.97	2.97	2.77	2.57	2.97	-	-	-	2.97	-	-	2.72
27	C218	Electrical Circuits Lab	2.96	2.96	-	2.56	-	-	-	-	2.96	-	-	2.56
28	C219	PEHVSD	-	-	-	-	-	2.57	2.57	2.57	2.57	2.57	-	2.57
29	C221	Electronic Circuits	2.34	2.34	2.34	2.34	-	1.56	-	-	1.56	-	-	0.78
30	C222	STLD	2.41	2.41	2.41	2.41	-	1.61	-	-	1.61	-	-	1.61
31	C223	Fluid Mechanics and Hydraulic Machines	2.35	2.35	0.78	1.56	-	-	-	-	-	-	-	-

32	C224	Electrical Machines-II	2.37	2.05	2.21	2.05	-	-	-	-	-	-	-	2.37
33	C225	Power Systems-I	2.36	2.36	2.04	2.04	2.04	-	-	-	-	-	-	2.36
34	C226	Control Systems	2.31	2.15	2.00	1.54	2.31	-	-	-	-	-	-	2.31
35	C227	Electrical Machines Lab-I	2.98	2.98	1.99	2.98	-	-	-	-	2.98	-	-	2.58
36	C228	Electronic Devices and Circuits lab	-	-	-	2.38	-	2.58	-	-	1.99	-	-	-
37	C229	Disaster Management	-	-	-	-	-	2.55	2.55	2.55	2.55	2.55	-	-
38	C311	Managerial Economics and Financial Accounts	2.55	0.85	2.55	-	2.55	1.70	-	-	1.70	2.55	2.55	-
39	C312	Power Electronics	2.20	2.20	2.04	-	-	-	-	-	-	-	-	2.04
40	C313	Power Systems-II	2.41	2.41	2.24	2.24	-	-	-	-	-	-	-	2.07
41	C314	Electrical Machines-III	2.11	2.11	1.51	2.26	-	-	-	-	-	-	-	1.51
42	C315A	Smart City	2.07	2.07	1.69	1.88	2.54	-	2.07	1.69	1.88	1.13	1.41	2.16
43	C315B	Elements of Mechanical Engineering	2.33	2.10	2.33	1.86	1.17	-	2.10	0.93	2.10	1.86	-	1.86
44	C315C	Java Programming	2.18	2.18	2.18	2.18	2.18	1.45	0.73	0.73	2.18	1.02	-	1.45
45	C315D	Operating Systems	2.80	2.42	2.24	2.24	2.24	1.86	1.55	1.55	1.49	1.86	1.68	1.49
46	C315E	Total Quality Management	1.88	0.94	2.44	2.19	2.11	1.88	2.82	0.94	2.82	2.35	1.41	2.82
47	C315F	Industrial Engineering	1.53	0.76	2.29	0.76	-	-	-	-	-	-	-	1.53
48	C316	HVE	2.23	2.52	2.10	2.52	-	-	-	-	-	-	-	2.52
49	C317	Electrical Machines Lab-II	2.95	2.95	1.96	2.36	1.96	-	-	-	2.95	-	-	2.95
50	C318	Control Systems &	-	-	1.98	2.72	2.97	-	-	-	2.97	-	-	2.18

		Simulation Lab												
51	C319	Personality Development & Behavioral Skills	-	-	0.78	-	2.33	2.33	2.33	2.33	1.82	1.82	1.56	2.33
52	C321	IC Applications	2.32	2.32	2.32	2.32	-	-	-	-	-	-	-	1.55
53	C322	Electrical Measurements & Measuring Instruments	2.50	2.33	2.33	2.33	-	-	-	-	-	-	-	1.67
54	C323	Power Semiconductor Drives	2.35	2.20	2.20	2.20	-	-	-	-	-	-	-	2.04
55	C324	Switchgear & Protection	2.35	2.20	2.20	2.16	-	-	-	-	-	-	-	2.04
56	C325A	Environment Pollution & Control Methods	1.68	1.87	1.59	1.40	1.87	-	-	-	0.93	0.93	-	0.93
57	C325B	Green Building Technologies	1.95	1.77	1.59	1.77	1.77	1.95	2.48	1.42	1.95	0.89	1.33	1.24
58	C325C	Basic Automobile Engineering	1.83	0.91	0.91	1.83	-	-	2.28	1.52	-	-	-	1.06
59	C325D	Material Science Engineering	1.22	0.76	1.83	1.67	1.52	1.67	1.71	-	2.28	1.52	-	2.28
60	C325E	Data Base Management Systems	2.33	2.33	2.33	2.33	2.33	2.33	1.55	1.55	1.55	1.55	1.55	1.55
61	C325F	Software Engineering	2.33	1.55	2.33	2.33	1.55	2.33	2.33	0.78	1.55	1.55	2.33	2.33
62	C325G	Financial Institutions and Markets	-	-	-	-	2.34	-	-	-	-	1.56	2.34	2.34
63	C325H	Fundamentals of	2.26	1.75	1.69	1.75	1.32	1.69	2.11	-	-	-	-	2.26

		Nano Science and Technology												
64	C326	Renewable Energy Sources	2.26	2.26	1.96	1.81	-	-	2.26	-	-	-	-	1.51
65	C327	Power Electronics and Simulation Lab	2.97	2.77	2.77	1.98	-	-	-	-	2.97	-	-	2.97
66	C328	Advanced Communication Skills Lab	2.57	1.98	1.98	1.49	1.73	-	0.99	-	0.99	2.97	1.98	1.98
67	C329	Quantitative Methods & Logical Reasoning	2.33	2.33	2.33	2.33	2.33	-	-	-	-	-	2.33	-
68	C411	Microprocessors and Interfacing Devices	2.27	2.27	2.27	2.27	1.51	-	-	-	1.14	0.76	-	1.51
69	C412	Power Systems Operation & Control	2.43	2.43	2.27	2.02	-	-	-	-	-	-	-	1.62
70	C413	Computer Methods In Power Systems	2.37	2.37	2.21	2.21	1.58	-	-	-	-	-	-	1.58
71	C414	Electrical Distribution Systems	2.35	2.18	1.68	1.68	-	-	-	-	-	-	-	1.68
72	C415	Electrical Estimation and Costing	2.32	2.17	2.01	2.01	-	-	-	-	-	-	-	2.32
73	C416A	Elements of Civil Engineering	0.77	1.53	1.53	1.53	1.53	1.53	1.53	-	1.92	1.92	1.92	1.99
74	C416B	Introduction to Earthquake Engineering	2.95	2.36	1.96	-	-	1.96	1.57	-	-	-	-	0.98
75	C416C	Optimization	1.23	2.31	1.85	1.70	1.54	1.70	0.77	-	0.77	1.54	-	2.31

		Techniques												
76	C416D	Maintenance and Safety Engineering	2.33	1.55	2.33	2.33	1.55	2.33	2.33	-	1.55	1.55	2.33	2.33
77	C416E	Web Design	-	1.95	2.92	2.92	1.95	2.92	2.92	-	1.95	1.95	2.92	2.92
78	C416F	Fundamentals of Entrepreneurship	-	1.92	2.30	-	2.30	1.53	1.78	2.30	-	-	1.92	1.99
79	C417	Electrical Measurements Lab	2.96	2.96	2.57	1.97	-	-	-	-	2.96	-	-	1.97
80	C418	Microprocessors and Interfacing Devices Lab	2.97	2.97	2.97	2.97	2.97	0.99	-	-	1.98	2.97	-	2.97
81	C419	Industry Oriented Mini Project	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
82	C421	Utilization Of Electrical Energy	2.92	2.34	1.95	2.34	2.34	-	-	-	-	-	-	2.27
83	C422	Fundamentals of HVDC and FACTS Devices	2.92	2.92	2.44	2.92	-	-	-	-	-	-	-	1.95
84	C423	EHVAC Transmission	2.95	2.16	0.98	2.21	-	-	-	-	-	-	-	1.97
85	C424	Seminar	2.98	2.98	2.98	2.98	2.98	-	-	-	0.99	2.98	-	1.99
86	C425	CVV	2.97	1.98	1.98	1.98	1.98	2.97	2.97	-	-	-	2.97	1.98
87	C426	Major Project	2.97	2.97	2.96	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97
			2.36	2.21	2.08	2.12	2.02	2.02	2.03	1.97	2.02	2.04	1.99	2.08

Table 3.3.2(b) PO Indirect Attainment

	Graduate Exit Survey	Value Added Courses survey	IV Year Internships survey	Overall PO Indirect Attainment
PO1	2.89	2.90	2.85	2.88
PO2	2.88	2.90	2.83	2.87
PO3	2.89	2.82	2.9	2.87
PO4	2.88	2.92	2.93	2.91
PO5	2.86	2.85	2.72	2.81
PO6	2.76	2.73	2.82	2.77
PO7	2.73	2.60	2.62	2.65
PO8	2.74	2.81	2.82	2.79
PO9	2.83	2.81	2.79	2.81
PO10	2.83	2.90	2.73	2.82
PO11	2.86	2.88	2.84	2.86
PO12	2.88	2.94	2.85	2.89

Table 3.3.2(c) PO Overall Attainment

	PO Direct Attainment	PO Indirect Attainment	PO Overall Attainment
PO1	2.36	2.88	2.47
PO2	2.21	2.87	2.34
PO3	2.09	2.87	2.25
PO4	2.11	2.91	2.27
PO5	1.99	2.81	2.15
PO6	1.99	2.77	2.14
PO7	2.02	2.65	2.15
PO8	1.93	2.79	2.10
PO9	2.01	2.81	2.17
PO10	2.02	2.82	2.18
PO11	1.99	2.86	2.16
PO12	2.09	2.89	2.25

Table 3.3.2(d) PSO Direct Attainment

S.NO	CODE	COURSE	PSO1 ATTAINMENT	PSO2 ATTAINMENT
1	C111	English-I	1.95	1.56
2	C112	Mathematics - I	2.23	2.23
3	C113	Engineering Physics-I	1.88	1.73
4	C114	C Programming – I	1.56	-
5	C115	Engineering Chemistry	2.32	-
6	C116	Electrical circuits	2.22	-
7	C117	English Language Communication Skills Lab-I	2.96	1.97
8	C118	C Programming Lab – I	2.91	-
9	C119	Engineering Physics and Chemistry Lab	2.96	2.36
10	C11A	IT & Engineering Workshop	2.98	-
11	C121	English-II	2.96	-
12	C122	Engineering Graphics	2.26	1.51
13	C123	Engineering Physics-II	1.91	1.68
14	C124	C Programming – II	2.13	-
15	C125	Mathematics – II	2.25	2.25
16	C126	Mathematics – III	1.94	2.23
17	C127	English Language Communication Skills Lab-II	2.96	-
18	C128	C Programming Lab –II	2.46	-
19	C129	Engineering Physics Lab	2.38	-
20	C211	Mathematics-IV	1.40	1.71
21	C212	Electronic Devices & Circuits	2.35	-
22	C213	Network Theory	2.38	-
23	C214	Electro Magnetic Fields	2.41	-
24	C215	Electrical Machines –I	2.34	-
25	C216	Environmental Science	1.79	1.17
26	C217	Basic Simulation Tools Lab	2.97	2.97
27	C218	Electrical Circuits Lab	2.96	-

28	C219	PEHVSD	0.00	-
29	C221	Electronic Circuits	2.34	-
30	C222	STLD	2.41	-
31	C223	Fluid Mechanics and Hydraulic Machines	1.56	-
32	C224	Electrical Machines-II	2.37	-
33	C225	Power Systems-I	2.36	-
34	C226	Control Systems	2.31	-
35	C227	Electrical Machines Lab-I	2.98	-
36	C228	Electronic Devices and Circuits lab	2.98	-
37	C229	DISASTER MANAGEMENT	-	-
38	C311	Managerial Economics and Financial Accounts	-	2.26
39	C312	Power Electronics	2.36	-
40	C313	Power Systems-II	2.59	-
41	C314	Electrical Machines-III	2.26	-
42	C315A	Smart City	-	-
43	C315B	Elements of Mechanical Engineering	-	-
44	C315C	Java Programming	-	-
45	C315D	Operating Systems	-	-
46	C315E	Total Quality Management	-	-
47	C315F	Industrial Engineering	-	-
48	C316	HVE	2.52	-
49	C317	Electrical Machines Lab-II	2.95	-
50	C318	Control Systems & Simulation Lab	2.97	2.97
51	C319	Personality Development & Behavioral Skills	-	-
52	C321	IC Applications	1.55	1.55
53	C322	Electrical Measurements & Measuring Instruments	2.50	-
54	C323	Power Semiconductor Drives	2.35	-
55	C324	Switchgear & Protection	2.35	-
56	C325A	Environment Pollution & Control Methods	-	-
57	C325B	Green Building Technologies	-	-

58	C325C	Basic Automobile Engineering	-	-
59	C325D	Material Science Engineering	-	-
60	C325E	Data Base Management Systems	-	-
61	C325F	Software Engineering	-	-
62	C325G	Financial Institutions and Markets	-	-
63	C325H	Fundamentals of Nano Science and Technology	-	-
64	C326	Renewable Energy Sources	2.26	-
65	C327	Power Electronics and Simulation Lab	2.97	2.97
66	C328	Advanced Communication Skills Lab	2.23	1.49
67	C329	Quantitative Methods & Logical Reasoning	-	-
68	C411	Microprocessors and Interfacing Devices	2.27	-
69	C412	Power Systems Operation & Control	2.43	-
70	C413	Computer Methods In Power Systems	2.05	-
71	C414	Electrical Distribution Systems	2.52	-
72	C415	Electrical Estimation and Costing	2.32	-
73	C416A	Elements of Civil Engineering	-	-
74	C416B	Introduction to Earthquake Engineering	-	-
75	C416C	Optimization Techniques	-	-
76	C416D	Maintenance and Safety Engineering	-	-
77	C416E	Web Design	-	-
78	C416F	Fundamentals of Entrepreneurship	-	-
79	C417	Electrical Measurements Lab	2.96	-
80	C418	Microprocessors and Interfacing Devices Lab	1.98	1.98
81	C419	Industry Oriented Mini Project	2.96	2.96
82	C421	Utilization Of Electrical Energy	2.92	2.92
83	C422	Fundamentals of HVDC and FACTS Devices	2.92	-
84	C423	EHVAC Transmission	2.95	-
85	C424	Seminar	2.98	-
86	C425	CVV	2.97	2.97
87	C426	Major Project	2.97	2.97
			2.45	2.20

Table 3.3.2(e) PSO Indirect Attainment

	Graduate Exit Survey	Value Added Courses	IV Year Internships	Overall PSO Indirect Attainment
PSO1	2.88	2.84	2.86	2.86
PSO2	2.87	2.85	2.83	2.85

Table 3.3.2(f) PSO Overall Attainment

PSO	Direct	Indirect	Overall PSO Attainment
PSO1	2.45	2.86	2.53
PSO2	2.20	2.85	2.33

CRITERION 4	STUDENTS' PERFORMANCE	100
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Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY 2020-21	CAYm1 2019-20	CAYm2 2018-19	CAYm3 2017-18	CAYm4 2016-17	CAYm5 2015-16	CAYm6 2014-15
Sanctioned intake of the program (N)	120	120	120	120	120	120	120
Total number of students admitted in first year minus number of students migrated to other programs/institutions, plus no. of students migrated to this program (N1)	59	74	105	98	97	105	99
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	30	25	27	42	32	34	22
Separate division students, if applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the Program (N1 + N2 + N3)	89	99	132	140	129	139	121

Table B.4a

CAY – Current Academic Year

CAYm1- Current Academic Year minus1= Current Assessment Year

CAYm2 - Current Academic Year minus2=Current Assessment Year minus 1LYG – Last Year Graduate minus 1

LYGm1 – Last Year Graduate minus 1LYGm2 – Last Year Graduate minus 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)			
		I Year	II Year	III Year	IV Year
CAY 2020-21	59	41			
CAYm1 2019-20	99	53	77		
CAYm2 2018-19	132	75	95	86	
CAYm3 2017-18	140	70	98	89	87
CAYm4 (LYG) 2016-17	129	95	85	82	79
CAYm5 (LYGm1) 2015-16	139	102	105	93	82
CAYm6 (LYGm2) 2014-15	121	96	86	82	70

Table B.4b

Year of entry	N1 + N2 + N3 (As defined above)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I Year	II Year	III Year	IV Year
CAY 2020-21	59	59			
CAYm1 2019-20	99	73	99		
CAYm2 2018-19	132	92	116	116	
CAYm3 2017-18	140	94	124	122	113
CAYm4 (LYG) 2016-17	129	97	103	101	95
CAYm5 (LYGm1) 2015-16	139	105	133	126	117
CAYm6 (LYGm2) 2014-15	121	98	115	108	102

*Table B.4c***4.1 Enrolment Ratio (20)**

	N(from Table 4.1)	N1(From table 4.1)	Enrollment Ratio[(N1/N)*100]
2020-2021	120	59	49.17
2019-2020	120	74	61.67
2018-2019	120	105	87.5

Enrolment Ratio= N1/N*100
Average of last 3 AYs = 66.12

Item (Students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year)	Marks
>=90% students enrolled	20
>=80% students enrolled	18
>=70% students enrolled	16
>=60% students enrolled	14
Otherwise	0

*Table B.4.1***4.2 Success Rate in the stipulated period of the program (20)****4.2.1 Success rate without backlogs in any semester/year of study (15)**

SI= (Number of students who have graduated from the program without backlog)/(Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry and separate division, if applicable)

Item	Last Year of Graduate , LYG 2016-17	Last Year of Graduate minus 1, LYGm1 2015-16	Last Year of Graduate minus 2, LYGm2 2014-15
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	129	139	121
Number of students who have graduated without backlogs in the stipulated period	79	82	70
Success Index (SI)	0.61	0.59	0.58

Table B.4.2.1

Average SI = Mean of Success Index (SI) for past three batches = 0.59

Success rate without backlogs in any semester/year of study = 15 × Average SI = 15* 0.59= 8.85

4.2.2 Success rate in stipulated period of study [Total of with backlog + without backlog](5)

SI= (Number of students who graduated from the program in the stipulated period of courseduration)/ (Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry and separate division, if applicable)

Average SI = mean of Success Index (SI) for past three batches

Success rate = $5 \times$ Average SI

Item	Last Year of Graduate , LYG 2016-17	Last Year of Graduate minus 1, LYGm1 2015-16	Last Year of Graduate minus 2, LYGm2 2014-15
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	129	139	121
Number of students who have graduated in the stipulated period	95	117	102
Success Index (SI)	0.74	0.84	0.84
Average SI	0.81		

Table B.4.2.2

Average SI= 0.81

Success rate = $5 \times$ Average SI = $5 \times 0.81 = 4.03$ Marks

Note: If 100% students clear without any backlog then also total marks scored will be 20 as both 4.2.1 & 4.2.2 will be applicable simultaneously

4.3 Academic Performance in Second Year (10)

Academic Performance = Average API (Academic Performance Index), where

API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) x (number of successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the Third year.

Academic Performance	CAYm1 2019-20	CAYm2 2018-19	CAYm3 2017-18	LYG 2016-17
Mean of CGPA or Mean Percentage of all successful students(X)	7.81	7.98	7.92	7.53
Total no. of successful students (Y)	99	116	124	103
Total no. of students appeared in the examination (Z)	99	119	136	129
API = X* (Y/Z)	7.81	7.77	7.22	6.01

Table B.4.3

$$\text{Average API} = (\text{AP1} + \text{AP2} + \text{AP3})/3 = 7.60$$

$$\text{Assessment} * 1.5 = 1.5 * 6.67 = 11.4$$

4.4 Placement, Higher Studies and Entrepreneurship (30)

Item	LYG (2017-18)	LYGm1 (2016-17)	LYGm2 (2015-16)	LYGm3 (2014-15)
Total No. of Final Year Students (N)	122	101	126	108
No. of students placed in companies or Government Sector (x)	79	59	63	62
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y)	4	5	5	7
No. of students turned entrepreneur in engineering/technology (z)	1	2	3	2
$x + y + z$	84	66	71	71
Placement Index : $(x + y + z)/N$	0.69	0.65	0.56	0.66
Average placement = $(P1 + P2 + P3)/3$	0.63			-
Assessment Points = $30 \times$ average placement	18.90			

*Table B.4.4***Assessment Year: 2020-21 (CAY)**

S.No	Student Name	Enrollment No	Employee Name	Appointment Letter Reference No.
1	S SANJAY	17911A0295	CAPGEMINI	176120
2	Balguri Ajay	17911A0208	wipro	2021
3	Bandagonda Siri	17911A0209	HCL	2021
4	Bhupathi Soumya	17911A0212	APPSHARK	AS/HYD/EOO/21/141
5	ByriSaikiran	17911A0214	Byjus	2021

6	HastepuramNamritha Reddy	17911A0219	Mahindra & Mahindra	2021
7	J Praveen	17911A0220	Wipro	2021
8	Kanapuram Mounika	17911A0222	CAPGEMINI	176119
9	Nakkala Chandana	17911A0231	DoubtNut	2021
10	careyisrael	17911A0234	Wipro	2021
11	PogallaGouthami	17911A0236	Mahindra & Mahindra	2021
12	SamaletiHima Bindu	17911A0238	Wipro	2021
13	SUREDDY NAVITHA REDDY	17911A0240	Jaro	2020
14	Thagaram Sai Siddardha	17911A0241	Vedantu	2021
15	Thallapelli Sai Pranay	17911A0242	ThermopadsPvt.Ltd.	2021
16	Y.Sai Raghunath	17911A0248	Entiretyin Pvt Ltd	2021
17	YeruvaSaiteja	17911A0249	DoubtNut	2021
18	MarepallyRajavardhan Reddy	17911A0250	Multiplier Solutions	2021
19	AmgothShirisha	17911A0251	Entiretyin Pvt Ltd	2021
20	Bejjanki Lavanya	17911A0252	Wipro	2021
21	Bingi Naresh	17911A0253	CTS	17947679
22	Boda Vamshi	17911A0254	Entiretyin Pvt Ltd	2021
23	ChallapurSusmitha Goud	17911A0255	wipro	2021
24	Chinthalapally Sai Eshwar Reddy	17911A0257	TVSTS- RNAILNAPS (Nissan)	2021
25	Ch Priyanka	17911A0258	Wipro	2021
26	Dommeti Radha Keerthi	17911A0260	Multiplier Solutions	2021
27	GollaAnantharamulu	17911A0262	CTS	17947814
28	G THARUN KUMAR	17911A0263	CLIMBER- MY CAPTAIN	2020
29	Gayatri Dharamkar	17911A0264	Vedantu	2021
30	Jha Gopal	17911A0265	TCS	TCSL/DT20206729924
31	JerripothulaYeshaswini	17911A0266	Entiretyin Pvt Ltd	2021
32	JadalaMadhulatha	17911A0267	Accenture	C9634015
33	Kairam Konda Pranathi	17911A0269	Mphasis	RH8847857/264940
34	KatlaSannith Kumar	17911A0272	TCS	TCSL/DT20206730074

35	KolaniPranavi	17911A0274	HCL	2021
36	Konka Mani Chaitanya	17911A0275	DoubtNut	2021
37	Kooturu Nalini	17911A0276	Wipro	2021
38	M Abhishek Reddy	17911A0278	Multiplier Solutions	2021
39	Manikonda Sneha	17911A0280	DoubtNut	2021
40	M SRIMANNARAYANA	17911A0281	Accenture	C9821408
41	Bhanu Guptha	17911A0282	Accenture	C10237996
42	Maram Maneesh Reddy	17911A0284	DoubtNut	2021
43	Muppana Sudheer	17911A0287	HCL	2021
44	P Priyanka	17911A0289	DoubtNut	2021
45	PapaniManikanta	17911A0290	Multiplier Solutions	2021
46	Sangishetty Vinay	17911A0294	Entiretyin Pvt Ltd	2021
47	SeelamKrishnasri	17911A0297	Entiretyin Pvt Ltd	2021
48	Thokali Rajesh	17911A0299	Harman Kardon	2021
49	Undadi Shiva Kumar	17911A02A0	DoubtNut	2021
50	Allu SriPriya Reddy	17911A02A2	Vedantu	2021
51	Akula Naresh Chandra	18915A0201	Vedantu	2021
52	Barmavath Bharath	18915A0203	DoubtNut	2021
53	Bhukya Harika	18915A0204	Entiretyin Pvt Ltd	2021
54	Chintham Anusha	18915A0205	Vedantu	2021
55	Danam Naveen	18915A0208	Multiplier Solutions	2021
56	Dharavath Venkatesh Naik	18915A0209	DoubtNut	2021
57	DikondaNachikethan	18915A0210	DoubtNut	2021
58	GaddameediVinaykumar	18915A0211	TCS	TCSL/DT20218903708
59	GajjelaYella Reddy	18915A0212	Cyient	C445684
60	K Jhansi Rani	18915A0215	DoubtNut	2021
61	K Nitisha Sreelatha	18915A0217	DoubtNut	2021
62	K SAI KOUSHIK	18915A0219	Byjus	2021
63	Kathi Abhishek	18915A0220	Multiplier Solutions	2021

64	Kesari Aravind Reddy	18915A0221	Multiplier Solutions	2021
65	K Srikanth	18915A0224	ThermopadsPvt.Ltd.	2021
66	Mailaram Vikas	18915A0225	Multiplier Solutions	2021
67	MohdFayaz Ahmed	18915A0226	OLA Electric	2021
68	Namu Sai Vishnu	18915A0227	DoubtNut	2021
69	P Mounika	18915A0228	TCS	TCSL/DT20207158978
70	Pabbathi Mani Krishna	18915A0230	ThermopadsPvt.Ltd.	2021
71	ParipelliYashwanth Kumar	18915A0232	DoubtNut	2021
72	PoolaRavalika	18915A0233	Mahindra & Mahindra	2021
73	Alluri Pranay	18915A0234	DoubtNut	2021
74	Shaik Feroz	18915A0237	DoubtNut	2021
75	Singireddy Sampath Kumar	18915A0238	ThermopadsPvt.Ltd.	2021
76	Telugu Balaraju	18915A0239	Hyundai	2021
77	Thagaram Sagar Kumar	18915A0240	Vedantu	2021
78	TokapurAvinash	18915A0242	Paladian Networks Pvt Ltd	PAL211231
79	Kommu Naveen	18915A0223	DoubtNut	2021

Assessment Year: 2019-20(CAY m1)

S.No	Student Name	Enrollment No	Employee Name	Appointment Letter Reference No.
1	Anantha Sreeja	16911A0202	Capgemini	LO2020401966/1
2	Bayyaram Vinayaka Bhoopati	17915A0202	Digilogic	2020
3	Bolleboina Srinath Yadav	16911A0257	Capgemini	LO2020401981/1
4	Chilakuri Pawan Reddy	16911A0260	Rmsi	2020
5	Addhanki sitaram Prasad	16911A0250	Virtusa	2020
6	Anthamgari Manisha	16911A0203	HDFC Bank	132967

7	Aravind Chary	16911A0272	Affluence	2020
8	Kuruva Malleshwar	16911A0225	Primier Energy ltd	2020
9	Mangola Rushikesh	16911A0230	Tes	DT20195355263
10	S Sravika Chowdary	16911A0292	Netcracker	2021
11	Mir Farazuddin Hamza	16911A0275	Prokarma software	2020
12	Guduri Vishnu Vardhan	16911A0265	Pathpartner	2021
13	Hadwala Akhil	17915A0208	Thermopads	2020
14	Janupallisrilatha	17915A0209	Primier Energy ltd	2020
15	K Kapil Kumar	17915A0210	Prokarma software	2020
16	Kaasula Adarsh	16911A0268	Cisco	2020
17	Kattoju Ajay	15911A0278	Thermopads	2020
18	Kolanu Vani	16911A0271	Primelogic	2021
19	Kottam Akshita	16911A0273	Genpact	2019
20	Krishna Vamsi	16911A0205	Cognizant	13978482
21	Kusukuntla Mamatha	17915A0214	Thermocables	2020
22	Lakkavaram V Subrahmanya	16911A0226	Apswreis	2020
23	Gogireddy Prashanth Kumar	16911A0213	Genpact	2020
24	Nalla Vinay Kumar	17915A0219	Capgemini	LO2020401979/1
25	P Harish Chandra Prasad	16911A0286	Primelogic	2021
26	Pisupati Sai Chandana	16911A0282	Cisco	2020
27	Rishab Shukla	16911A0241	Packet Prep	2019
28	Shraddha Kulkarni	16911A0243	Capgemini	LO2020401989/1
29	Talari Naresh	17915A0227	Thermopads	2020
30	Thundla Praveen	17915A0228	Thermopads	2020
31	Tummala Mounisha	16911A0294	Capgemini	LO2020402005/1
32	V Sarayu Reddy	16911A0296	Packet Prep	2019
33	Voodi Sai Ganesh	16911A0249	Cisco	2020

34	Deekshith	16911A0233	Primier Energy ltd	2020
35	Naredla Pavan Kalyan	16911A0283	Infosys	1002022577/21-22
36	Kandari Sai Prasad	16911A0219	Packet Prep	2019
37	Puduru Pramod	16911A0285	Primelogic	2021
38	Mudavath Ganesh	16911A0237	Primier Energy ltd	2020
39	Hirekari Abhishek Raj	16911A0214	Virtusa	2021
40	Pedda Bomma Divya Sree	16911A0281	Primelogic	2021
41	Bamandla nikhil	16911A0254	Prokarma software	2020
42	Marati Ramya Sri	16911A0231	Value lab	VLI/9756/A2/21
43	Ganta Sujith	16911A0212	Prokarma software	2020
44	Ahmed Ahtesham Uddin	16911A0251	Packet Prep	2019
45	Dhanishetty Krishna Priya	16911A0262	Tes	DT20217616756
46	Gugulothu Renuka	17915A0207	Primier energy Ltd	2020
47	Saisree Yallavula	16911A0291	Maintec	2020
48	K Raja Rajeshwari	16911A0216	Prokarma software	2020
49	Kesarapu Naveen Kumar	16911A0222	Primelogic	2021
50	Gosangi Sohith Babu	16911A0264	Packet Prep	2019
51	Gujjula Vidya	16911A0266	Maintec	2020
52	D Ganesh Kumar Reddy	16911A0261	Primier energy Ltd	2020
53	Kanugula Tarun	16911A0270	Maintec	2020
54	Manati Manisha	16911A0274	Infosys	1001810837
55	Nimmagadda Harish Kumar	16911A0278	Packet Prep	2019
56	Mendye Naveen	17915A0216	Primelogic	2021
57	Sailla Ashok	17915A0222	Packet Prep	2019
58	Ravali Chandankare	16911A0288	Maintec	2020
59	P Saikumar Goud	17915A0231	Primier Energy ltd	2020

Assessment Year: 2018-19(CAY m2)

S.No	Student Name	Enrollment No	Employee Name	Appointment Letter Reference No.
1	Abdul Wahed	15911A0201	Capgemini	LO2020402017/1
2	Afreen Pathan	15911A0289	Go Speedy	2018
3	Ajay Bairy	15911A0205	Genpact	2019
4	Alwala Sharanya	15911A0203	Amazon	2019
5	B Ranjith Kumar	15911A0206	Zenq	2018
6	B.Ravi Prakhya Sree	15911A0258	Capgemini	LO201940442/1
7	Bakki Sahith	15911A0207	Go Speedy	2018
8	Bandaru Prasanna	15911A0208	Amazon	2019
9	Bandi Saikrishna	15911A0209	Genpact	2019
10	Banoth Nageshwar Rao	15911A0210	Amazon	2019
11	Bommakanti Ashvitha	15911A0213	Go Speedy	2018
12	Chandra Vamshi	15911A0219	Go Speedy	2018
13	D.Vamshi Krishna	16915A0207	Go Speedy	2018
14	G V Maruthi Rao	15911A0217	Go Speedy	2018
15	Ganga Lavanya	15911A0220	Capgemini	LO2020402194/1
16	Gummedelli Saarika	15911A0216	Thermo Cables	2019
17	Gundla Sai Kumar	15911A0221	Rmsi	2020
18	Jalla Rahul	15911A0223	Go Speedy	2018
19	Joshi Manasa	15911A0222	Adp	2020
20	Jyothirmayee Ghantasala	15911A0270	Icici Bank	1384008944
21	K.Sai Samanvith Reddy	16915A0218	Go Speedy	2018
22	Kammari Sinduja	16915A0213	Go Speedy	2018
23	Keerthana Boorgula	15911A0262	Genpact	2019

24	Khwaja Tayyab Tahrool Haq	16915A0215	Zenq	2018
25	Konireddy Vineeth Reddy	15911A0227	Go Speedy	2018
26	Kotla Saipriya	15911A0224	Zenq	2018
27	Kowtikwar Sachin	15911A0228	Genpact	2018
28	Lakshmi Tanmaye	15911A0288	Pernord Ricard	2019
29	Madhuri Siddamalla	15911A0297	Amazon	2019
30	Malipatel Akash	15911A0231	Capgemini	4436743/734070
31	Mohammed Feroz	15911A0283	Go Speedy	2018
32	Mazumdar Jayasree	15911A0236	Collin Aerospace	2019
33	Parthanari Gopi Krishna	16915A0209	Go Speedy	2018
34	Pranay Rageev Reddy Akki	15911A0202	Wipro	2019
35	Rachakonda Rajkumar	15911A0291	Go Speedy	2018
36	Rakesh Katne	16915A0214	Genpact	2019
37	Rama Krishna Matta	16885A0208	Go Speedy	2018
38	Ramgiri Sai Kranthi	16915A0225	Ramky	2020
39	Ramyasri Vasamshetti	15911A02A2	Capgemini	LO201940274/1
40	Ravi Teja Nagamalla	15911A0237	Go Speedy	2018
41	S Srinivas Goud	16915A0230	Genpact	2019
42	Sai Baba Kammari	16915A0212	Go Speedy	2018
43	Sai Kiran Burra	15911A0263	Go Speedy	2018
44	Sai Teja Yetchu	15911A02A5	Jaro	2019
45	Samaleti Sinduja	15911A0247	Paragon	2019
46	Sandeep Nagasamudram	16915A0221	Go Speedy	2018
47	Sandhya Pilly	16915A0229	Amazon	2019
48	Senapati Hareesh	15911A0293	Go Speedy	2018
49	Shashidhar Kota	15911A0295	Amazon	2019
50	Shireesha Udidhi	15911A02A1	Genpact	2019

51	Shivaprasad Reddy	15911A0214	Go Speedy	2018
52	Sowjanya Reddy Kapuram	15911A0277	Wipro	2019
53	Suman Konda	16915A0216	Go Speedy	2018
54	Sunil Sai Thatikonda	15911A02A0	Amazon	2019
55	Surya Ravi Kumar	16915A0232	Go Speedy	2018
56	Syed Shahid Afridi	16915A0233	Go Speedy	2018
57	Talari Yadagiri	16915A0234	Go Speedy	2018
58	Tejaswini Reddy	16915A0217	Go Speedy	2018
59	Thalari Mahesh	16915A0235	Go Speedy	2018
60	Unnam Nikhila	15911A0253	Accenture	C9409812
61	Vedati Shravani	15911A02A3	Genpact	2019
62	Venkateshwar Reddy Gatla	15911A0269	Zenq	2018
63	Vijay Kumar B	16915A0203	Cognizant	13932080

Assessment Year: 2017-18(CAY m3)

S.No	Student Name	Enrollment No	Employee Name	Appointment Letter Reference No.
1	Ganji Aravind	149110A255	Caiman Auto Ltd	2018
2	Bh.Soma Sekhara	14911A0206	Caiman Auto Ltd	2018
3	Ellabelli SriVamshi	15915A0207	Wipro	2017
4	Gowdigama Sravanthi	14911A0209	Wipro	2017
5	Nishanth	14911A0210	Caiman Auto Ltd	2018
6	Sathwik Gulbam	14911A0212	Caiman Auto Ltd	2018
7	J. Swathi	14911A0214	Genpact	2017

8	Sruthi	14911A0217	netcore	2018
9	Nagaswathi K	14911A0218	Hrx Next	2018
10	Raghu k	14911A0219	Caiman Auto Ltd	2018
11	Santhosh Reddy	14911A0221	Genpact	2017
12	Manisha D	14911A0227	Wipro	2017
13	N Vigneshwar Goud	14911A0228	Caiman Auto Ltd	2018
14	Pokala Surya Teja	14911A0231	Amazon	2017
15	P.Vineeth Kumar	14911A0232	Capgemini	201831118
16	Arun	14911A0235	Genpact	2017
17	Saggurthi Nirmal Kumar	14911A0238	Amazon	2017
18	Tandra Abhishek	14911A0243	Genpact	2017
19	Abhinav Kumar	14911A0246	Caiman Auto Ltd	2018
20	B.Saiprasanna	14911A0249	Repherrals	2018
21	Keerthana	14911A0250	Caiman Auto Ltd	2018
22	Purnima Chikkala	14911A0253	Repherrals	2018
23	G V Akhila Devi	14911A0254	cigniti	2018
24	Prabhanjan H	14911A0256	Tele India	2018
25	Hitesh Chowdary	14911A0257	Caiman Auto Ltd	2018
26	Bhawana K	14911A0258	Accenture	2019
27	Ravalika	14911A0259	Capgemini	2018
28	Kondabathula Sai Charan	14911A0260	Genpact	2017
29	Kacham Aparna	14911A0262	Wipro	2017
30	Sairam Kandukuri	14911A0263	Hrx Next	2018
31	Barath M	14911A0264	Wipro	2017
32	Srilatha	14911A0266	Caiman Auto Ltd	2018
33	Madasu Donalika	14911A0268	Genpact	2017
34	Maddela Anilkumar	14911A0269	Wipro	2017

35	Madikanti Prashanth	14911A0270	Genpact	2017
36	Megavath Vamshi Krishna	14911A0272	Wipro	2017
37	Arif	14911A0274	Amazon	2017
38	Laxmi Kanth	14911A0275	Caiman Auto Ltd	2018
39	Pusala Sai Charan	14911A0276	Caiman Auto Ltd	2018
40	P. Saiprasanna	14911A0277	Genpact	2017
41	S Ajay Kumar	14911A0280	Tele India	2018
42	Seelam Vinod	14911A0281	Caiman Auto Ltd	2018
43	Manasa Reddy	14911A0286	Tele India	2018
44	T.Sandeep Kumar	14911A0288	Caiman Auto Ltd	2018
45	V.Akhil	14911A0290	Wipro	2017
46	Ravinder Reddy	14911A0292	Wipro	2017
47	Upendher Reddy	14911A0297	Wipro	2017
48	Meesal Vishal	14911A0298	Caiman Auto Ltd	2018
49	P.Sravan Kumar	14911A0299	Wipro	2017
50	Dheeraj	14911A0224	Amazon	2017
51	A.Vinod	15915A0202	Genpact	2017
52	Archana	15915A0204	Wipro	2017
53	G Pavani	15915A0209	Tele India	2018
54	Gajji Srikanth	15915A0208	KTPS	2018
55	Manoj Gattu	15915A0210	Tele India	2018
56	Kalyan	15915A0213	Tele India	2018
57	P.Arun	15915A0215	MRF	2018
58	B Manju	15915A0203	Wipro	2017
59	Senapati Hareesh	14911A0293	Genpact	2017
60	N Srikanth Reddy	14911A0285	Tele India	2018
61	Shaik Javid	14911A0240	Tele India	2018

62	Thimmanolla Thirumal Reddy	15915A0219	Capgemini	2018
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4.5. Professional Activities (20)

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

The Department of EEE has three professional chapters namely IEEE Power and Energy Society, Indian Society for Technical Education(ISTE) and Institute of Engineers of India(IEI) .Many activities are conducted under these student chapters. Various events are organized on regular basis for the benefit of students under these chapters. These events provide a platform to students to exchange ideas and information on the topics of their interest related to Electrical and Electronics Engineering. Encourage team work and self-reliance among students. Augment various aspects relating to professional development of students.

a) Professional Societies

S. No	Professional Society	Incorporation Date
1.	IEEE Power and Energy Society Student Chapter	14 th August 2021
2.	IEI Student Chapter	6 th November 2018
3.	ISTE Student Chapter	23 rd November 2013

b) Events Organized

Academic Year	IEEE	IEI	ISTE	TOTAL
2020-21	4	4	5	13
2019-20	-	14	5	19
2018-19	-	5	3	7

Events Organized under IEEE**Academic Year 2020-21**

S.No	Event Name	Date
1	Energy Conservation Day	14 th December,2021
2	A Webinar on Introduction to Battery Technology for Electric Vehicles	25 th September,2021
3	A Webinar on All about IEEE	24 th August,2021
4	An online Quiz on Control Systems	24 th August,2021

Events Organized under IEI**Academic Year 2020-21**

S.No	Event Name	Date
1	A Technical talk on job Opportunities to Electrical Engineers	6 th December,2021
2	A Webinar on Electrical Vehicle Design and Manufacturing	7 th May,2021
3	A Three Day Online workshop on Electrical Vehicles	8 th April -10 th ,April 2021
4	A Webinar on Power Semiconductor Technology	25 th March ,2021

Photographs of Events Organized under IEI in A.Y:2020-2021

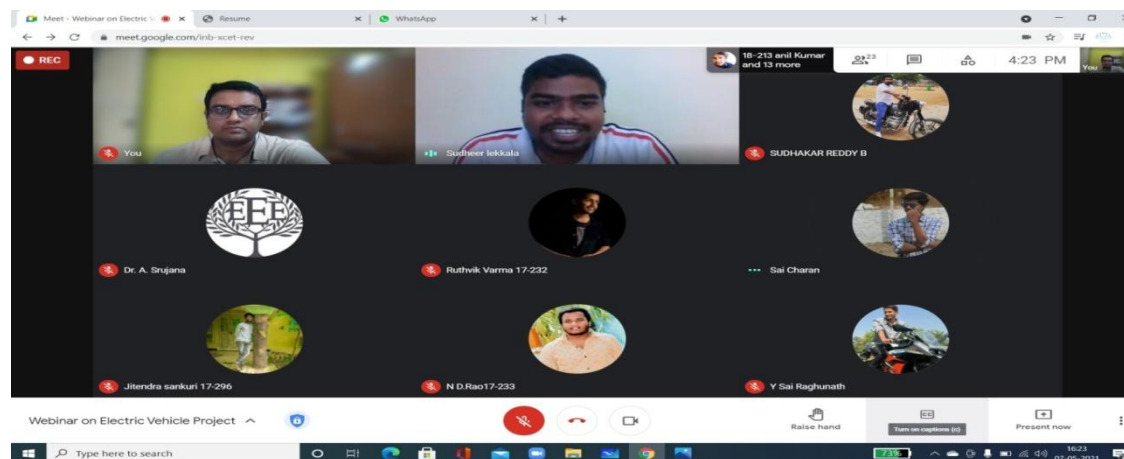


Fig 4.1 A Webinar on Electrical Vehicle Design and Manufacturing

Academic Year 2019-20

S.No	Event Name	Date
1	A National Level Webinar on Smart Grid Automation	6th October,2020
2	A Webinar on Modern Control Techniques and design of Electric Vehicles	3rd October ,2020
3	A Webinar on Power Quality in Micro grid	23 rd September ,2020
4	A Webinar on Digital Transformation in TSGENCO	15th September,2020
5	A National Technical Quiz on Power Systems	4 th July,2020
6	A National Webinar on Energy Billing Systems and Energy Conservation	2nd July 2020
7	A National level Technical Quiz on Utilization of Electrical Energy	1 st June,2020
8	A National level Technical Quiz on Electrical Measurements	10 th May,2020
9	Guest Lecture on Substations(Erection of Power Transformers)	2nd February ,2020
10	Guest Lecture on RES	21st December,2019
11	Faraday's Memorial Lectures	21 st September,2019
12	A Two day workshop on ML and its applications	4 th September -5 th September 2019
13	Guest Lecture on Power Systems Applications and High Voltage Engineering	26th June,2019
14	Guest Lecture On Opportunities to Electrical Engineering	24th June,2019

Photographs of Events Organized under IEI in A.Y:2019-

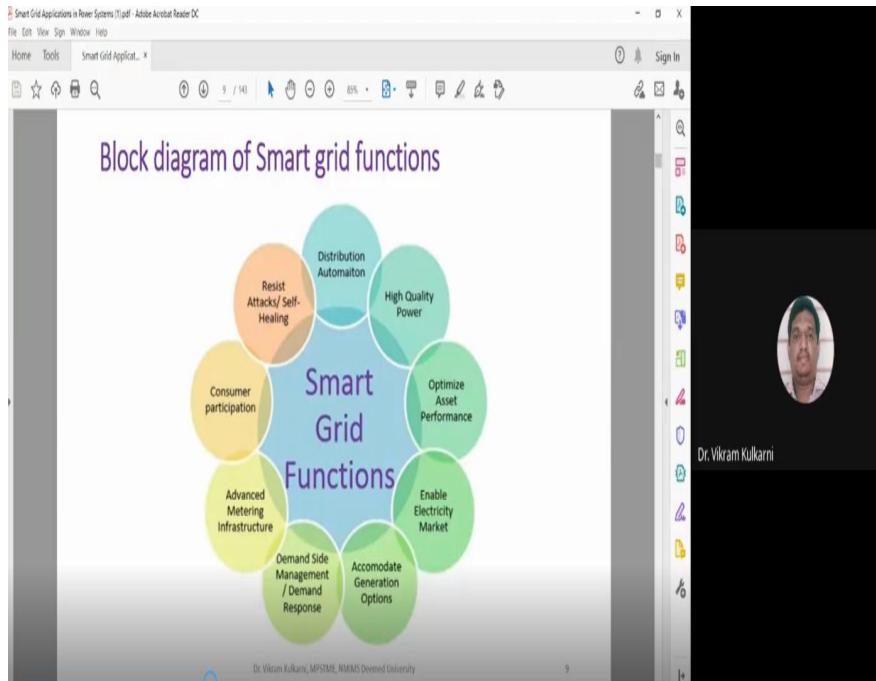


Fig 4.2 A National Level Webinar on Smart Grid Automation Conservation

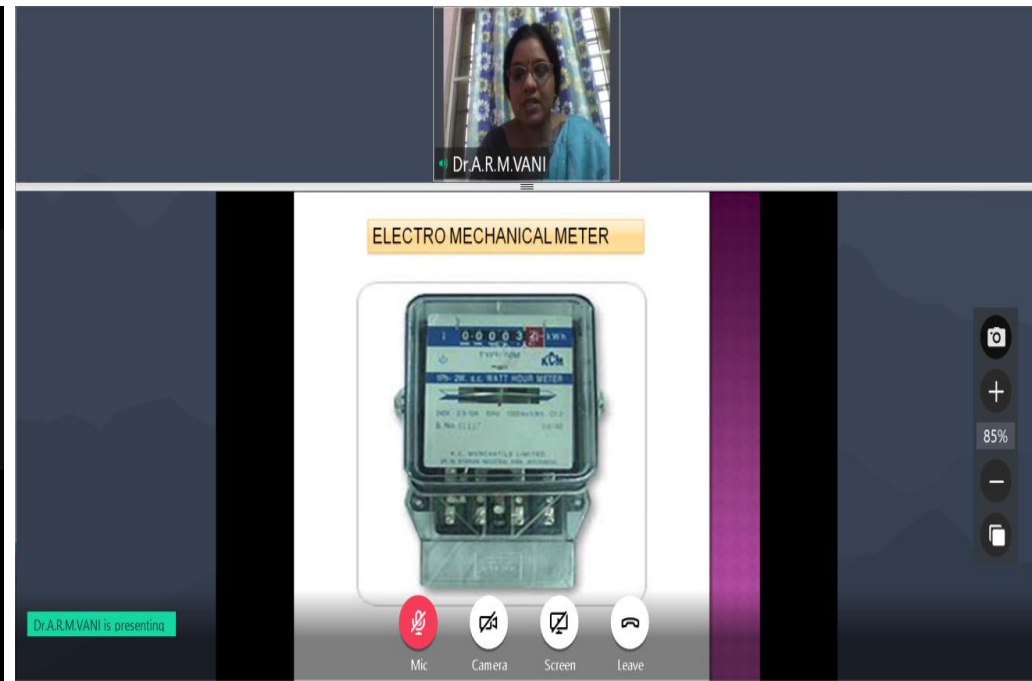


Fig 4.3 A National Level Webinar on Energy Billing System and Energy



Fig 4.4 a Two day workshop on ML and its applications



Fig 4.5 Faraday's Memorial Lectures

Academic Year 2018-19

S.No	Event Name	Date
1	Guest Lecture On Power Systems and Industrial Applications	25th October 2019
2	National Conference on Evolutionary Computing Applications to Electrical Engineering	2nd and 3rd May 2019
3	Guest Lecture On Switch Gear and Protection	2nd February, 2019
4	A Three Day Hands on training on PLC and SCADA	16 th -18 th November 2018
5	Inaugural of Institute of Engineers Chapter A Technical Quiz on Electrical Machines	9 th November, 2018

Photographs of Events Organized under IEI in A.Y:2018-2019



Fig.4.6 Guest Lecture On Power Systems and Industrial Applications



Fig.4.8 A Three Day Hands on training on PLC and SCADA

Reports from Engineering College Students' Chapter

PES's College of Engineering (Karnataka)

The Students' Chapter of Civil Engineering Department of PES College of Engineering organized two days workshop on "Project Management" during 6-7 October 2019.



Participants during the workshop

Engineering' during 2-3 May 2019. They also conducted a Guest lecture on Power Systems and Industrial Applications on 25 October 2019.



Release of Proceedings during the International Conference

PSCMR College of Engineering & Technology (Andhra Pradesh)

The Students' Chapter of Department of Electrical and Electronics Engineering of PSCMR College of Engineering & Technology celebrated Engineers Day on 15 September 2019 by organizing various competition like Essay Writing, slogan competition, quiz competition, etc.



Participants during the celebration of Engineers Day

Vidya Jyothi Institute Of Technology (Telangana)

The Students' Chapter of Department of Electrical & Electronics of Vidya Jyothi Institute of Technology, organized Faraday's Memorial fest on 21 September 2019, a Field Visit to Shankarpally Substation on 11 and 13 September 2019, a three-day Meditation Program from 24 June to 26 June 2019, Guest Lecture on 'Power Systems Applications and High Voltage Engineering' on 26 June 2019 and a National Conference on



Participants during the technical visit

Tulsiramji Galkwad-Patil College of Engineering and Technology (Maharashtra)

The IEI Student Chapter of Tulsiramji Galkwad Patil College of Engineering and Technology organized various activities like expert lectures, quiz competitions, group discussions, seminars, workshops, symposia etc.



Participants during the technical visit



Participants during the technical visit

Fig 4.9 A Report from IEI News Letter

Events Organized under ISTE

Academic Year: 2020-21

S.No	Event Name	Date
1	A Webinar on Renewable Sector in India	24 th April 2021
2	A Webinar on Universal Human Values(Role of Education)	23 rd April 2021
3	A Webinar on Importance of Transmission line in Vertically Integrated and Deregulated Power systems	7 th May,2021
4	A Webinar on Motivation towards Success	8 th May 2021
5	A three day online workshop on simulation tools for Electrical engineering applications	22 nd July-24 th July 2020

Photographs of Events Organized under ISTE in A.Y:2020-2021



Fig 4.10 A Webinar on Renewable Sector in India

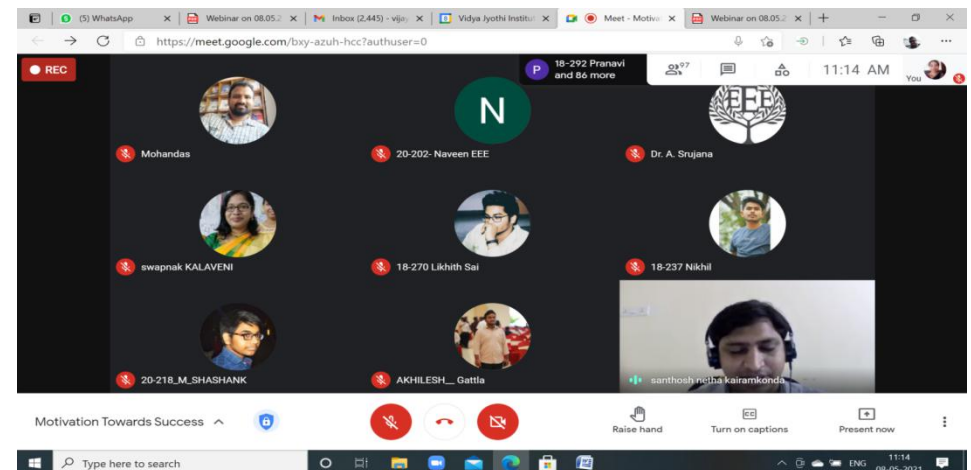


Fig 4.11 A Webinar on Motivation Towards Success

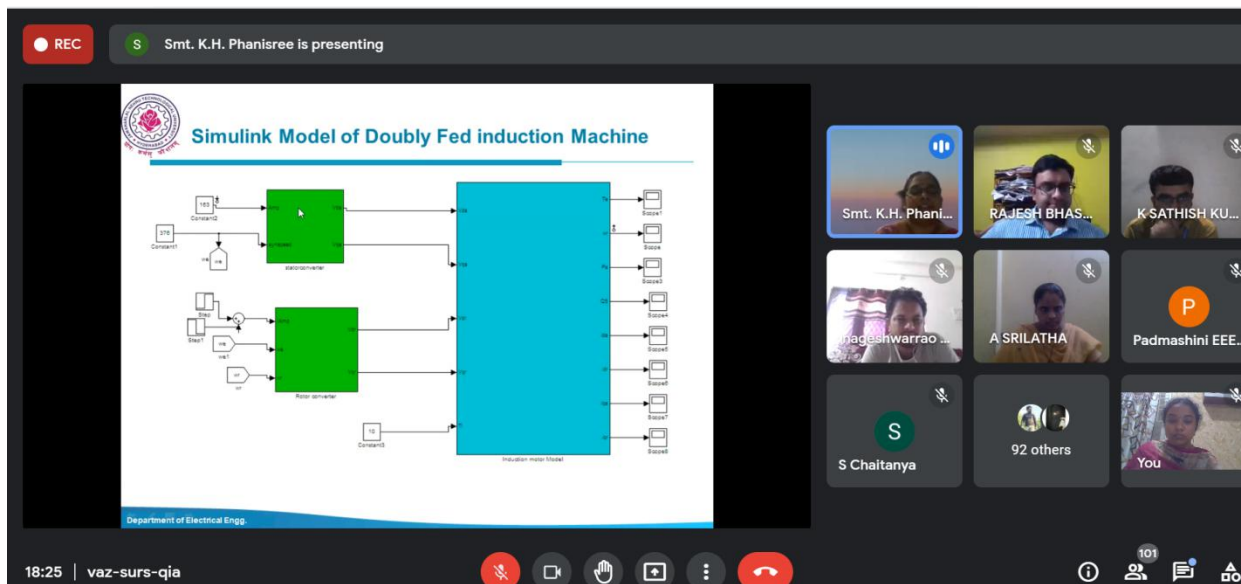


Fig 4.12 A Three Day online workshop on Simulation tools for Electrical Engineering Applications

Academic Year: 2019-20

S.No	Event Name	Date
1	A Webinar on IOT Applications in Electrical Engineering	30th September,2020
2	Guest Lecture on Career Opportunities in EEE	2nd February,2020
3	Guest Lecture on Internship	21st January,2020
4	A One day workshop on hands on training to assemble LED bulbs	14 th December, 2019
5	Guest Lecture on Opportunities to Electrical Engineering	24th June,2019

Photographs of Events Organized under ISTE in A.Y:2019-2020

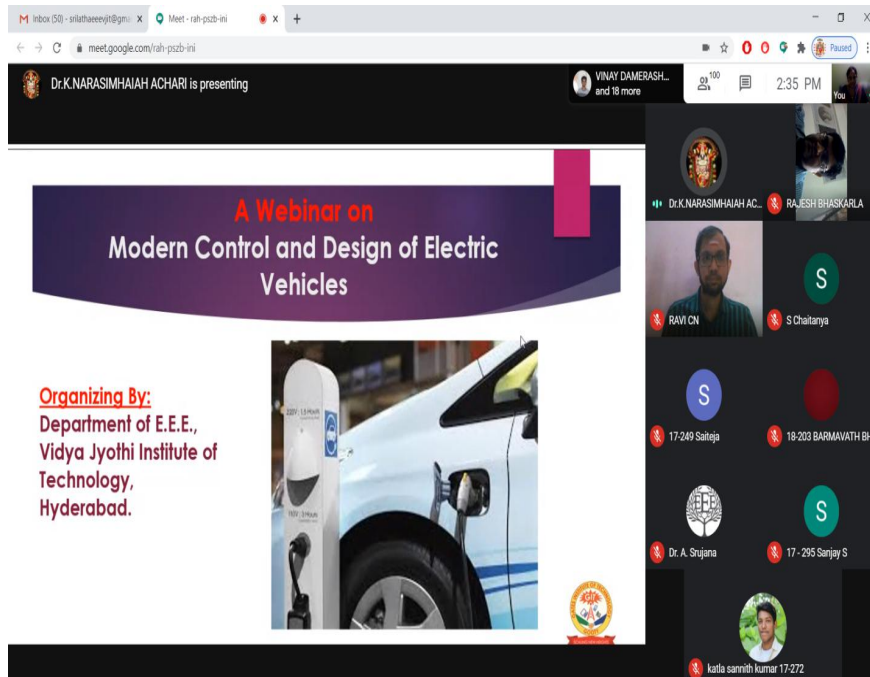


Fig 4.13 A Webinar on Modern Control and Design of Electric Vehicles



Fig 4.14 A One day workshop on hands on training to assemble LED bulbs



Fig 4.15 Guest lecture on Internship

Academic Year: 2018-19

S.No	Event Name	Date
1	A Two Day Workshop on Energy Conservation and auditing	12 th August -14 th August 2019
2	Guest Lecture On SCADA	25 th June 2019
3	Guest Lecture On Opportunities in Electrical Engineering and Personality Development	14th February 2019



Fig 4.16 A Two Day Workshop on Energy Conservation and Auditing



Fig 4.17 Guest Lecture on Opportunities in Electrical Engineerin and Personality Development

Student Clubs:

Student's Clubs are actively involved in conducting Technical, Non- Technical events through **IGNITE and APRICUS**. These clubs are formed to conduct technical activities and competitions among students. Students organize all the activities of the clubs. The activities of these clubs help the students develop organizing skills, leadership qualities, management skills, team spirit, many other soft skills and technical skills.

Instagram link for APRICUS club-https://instagram.com/apricus_vjit?utm_medium=copy_link

S.No	Academic Year	Name of the Student club	Name of the Event Organized	Date of the Event
1	2020-21	APRICUS	Unlock with Adarsh	17 th July 2021
2	2020-21	APRICUS	Skill Hunt	29 th June 2021
3	2020-21	APRICUS	Kick off	4 th June 2021
4	2020-21	IGNITE	Technical Fest	18 th -19 th February 2021
5	2019-20	IGNITE	Technical Fest	1 st -2 nd February 2020
6	2018-19	IGNITE	A Two day Technical Fest	27 th -28 th March 2019

**Activities Organized under IGNITE Student Club
Academic Year: 2020-2021**

Technical fest

S.No	Name of the Event	Type of the Event	Team Size	Duration of the Event	Room .No of the Event	Timings	Judges for the Events
Technical Events(Day 1)							
1	Paper Presentation	Technical	1 No's	Each Presentation 5 Min	N107	1:30 pm	1.Dr.D.B.G.Reddy 2.Dr.C.N.Ravi 3.Mr.D.Srinivas 4.Mr.A.Mohandas
2	Bill board(Poster Presentation)	Technical	2 No's	1 hour	N007	2:30 pm	1.Mr.Ch.Vikram 2.Mr.P.Nageshwara Rao
3	Tower It	Technical	2 No's	2 Rounds	N005	3.00 pm	1.Mr.K.Satish

				1 hour			Kumar. 2.Mrs.V.Vijaya Lakshmi 3.Mr.S.Suresh
4	CircuiTech	Technical	1 No	15 Min	N106	3:30 pm	1.Mrs.A.Srilatha 2.Mrs.S.Chaitanya
5	Short Gun	Technical	2 No	3 Rounds 1 hour	N306	12.00 pm	1.Mrs.P.Vaishnavi Devi 3.Mr.Hussain Shaik
6	Minute to Win It	Technical	1 No	15 Min	N105	11:00 a.m	1.Dr.S.Siva Prasad 2.Mr.M.Vijay Kumar
Non Technical Events(Day 2)							
7	Gaming	Non Technical	2 No's	1 hour	N107	10:00 a.m	1.Mr.Hussain Shaik 2.Mr.L.Raju
8	Review It	Non Technical	1 No's	1 Hour	N106	11:00 a.m	1.Mrs.K.Haritha 2.Mrs.K.Swapna
9	Adzap	Non Technical	1 No's	5 min	N105	12:00 pm	1.Mrs.K.Swapna 2.Mr.S.Suresh

Academic Year: 2019-2020

Technical Fest

S.No	Name of the Event	Type of the Event	Team Size	Duration of the Event	Room .No of the Event	Timings	Judges for the Events
Technical Events(Day 1)							
1	Paper Presentation	Technical	2 No's	Each Presentation 5 Min	N104	1:00 pm	1.Mr.A.Narasimha rao 2.Dr.C.N.Ravi 3.Mr.B.Rajesh 4.Mr.B.Sudhakar Reddy
2	Poster Presentation	Technical	2 No's	1 hour	N005	2:00 pm	1.Dr.S.Siva Prasad 2.Dr.D.B.G.Reddy 3.Mr.K.Satish Kumar 4.Mr.S.Suresh
3	Turn Coat	Technical	4 No's	3 Rounds 1 hour	N006	2:30 pm	1.Mr.P.Nageswara Rao. 2.Mrs.K.Haritha 3.Mrs.A.B.Bhavana Reddy
4	CircuiTricks	Technical	1 No	15 Min	N306	3:00 pm	1.Mrs.V.Vijaya lakshmi 2.Mrs.A.Srilatha 3.Mrs.P.Vaishnavi Devi
5	Technical Quiz	Technical	2 No	3 Rounds 1 hour	N106	10:00 a.m	1.Mr.D.Srinivas 2.Mrs.K.Haritha 3.Mr.K.Rajeev 4.Mrs.A.B.Bhavana Reddy
6	Technical Short Film	Technical	1 No	1hour	N105	11:00 a.m	1.Dr.S.Siva Prasad 2.Mr.M.Vijay Kumar
Technical/Non Technical Events(Day 2)							
7	Project Expo	Technical	4 No's	1 hour	N107	12:00 p.m	1.Dr.G.Madhusudhan rao 2.Mr.Ch.Vikram 3.Mr.K.Dheeraj
8	Ad-It	Non Technical	1 No's	1 Hour	N106	12:30 p.m	1.Mrs.K.Swapna 2.Mrs.M.Jhnasi Lakshmi
9	Buzz-Bar	Technical/ Non Technical	1 No's	5 min	N005	12:00 pm	1.Mrs.K.Swapna 2.Mr.S.Suresh

Academic Year: 2018-2019
Technical Fest

S.No	Name of the Event	Type of the Event	Team Size	Duration of the Event	Room .No of the Event	Timings	Judges for the Events
Technical Events(Day 1)							
1	Paper Presentation	Technical	2 No's	Each Presentation 5 Min	B108	1:00 pm	1.Dr.S.Siva Prasad 2.Prof.S.M.Zafarullah
2	Poster Presentation	Technical	2 No's	1 hour	B109	2:00 pm	1.Dr.D.B.G.Reddy 2. Dr.C.N.Ravi
3	Technical Quiz	Technical	3 No's	3 Rounds 1 hour	B104	2:30 pm	1.Haritha 2.A.Bhavana reddy
4	CircuiTricks	Technical	1 No	15 Min	N002	3:00 pm	1.P.Naga Munnendra 2.Ch.Vikram
Non Technical Events(Day 2)							
5	Replica(Model Presentation)	Technical	2 No	Each Presentation 10 Min	B104	10:00 a.m	1.Prof S.M.Zafarullah 2.B.Sudhakar Reddy
6	Live Sketching	Non Technical	1 No	1hour	B109	11:00 a.m	L.Raju
7	AD.Selfi	Non Technical	1 No's	1 hour	B105	12:00 p.m	L.Raju
8	CEO's Dilemma	Non Technical	3 No's	1 Hour	B108	12:30 p.m	L.Raju
9	Essay Writing	Technical/ Non Technical	1 No's	30 min	B104	12:00 pm	Technical-G.Sudha Rani Non Technical-B.Rajesh



Fig. 4.18 Few glimpses of Tech Fests

Photos of Activities Under APRICUS Club

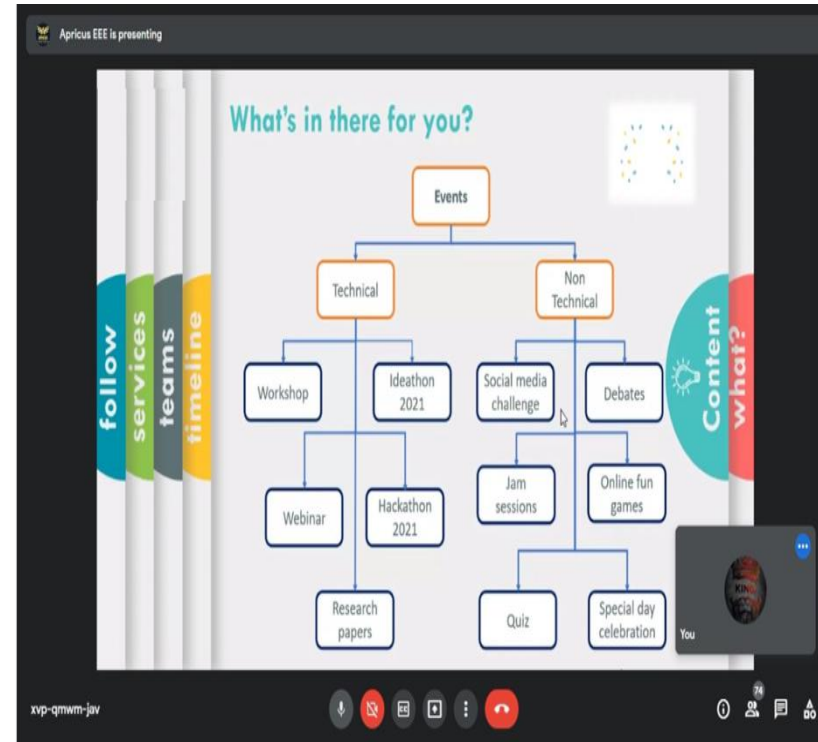


Fig. 4.19 Kickoff Session

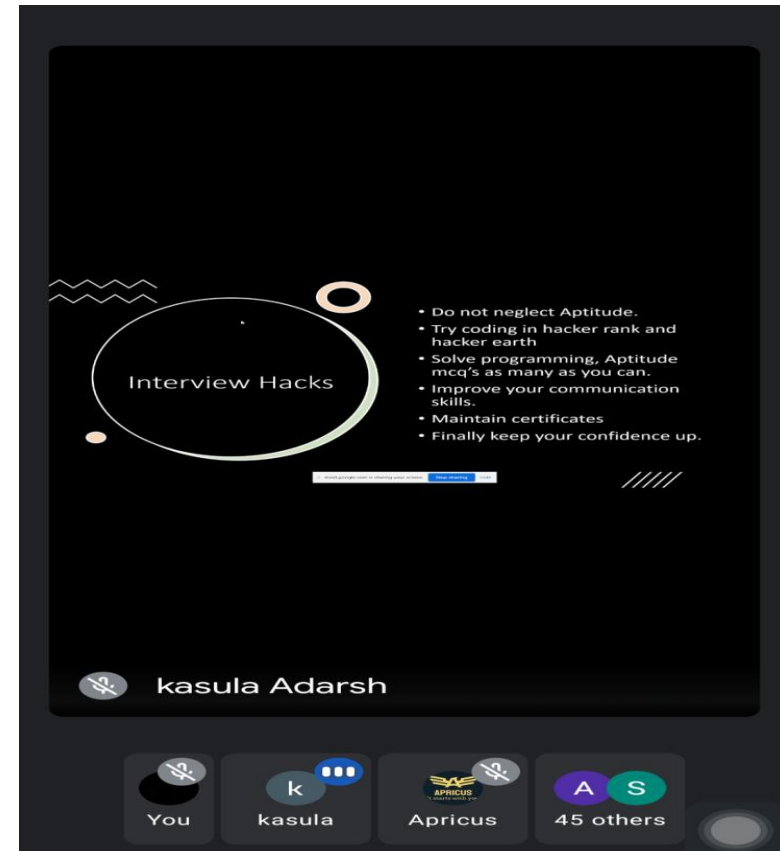
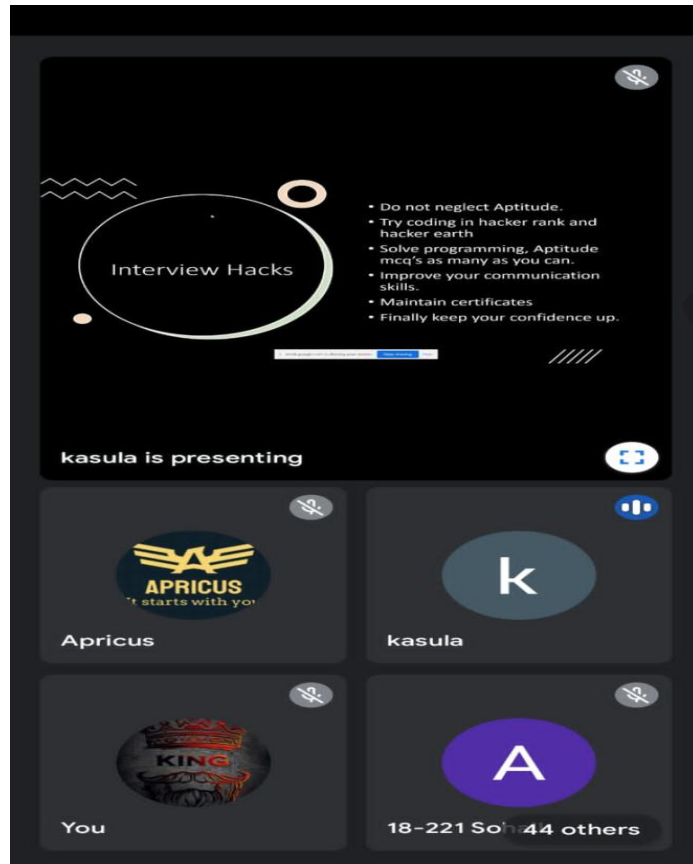


Fig. 4.20 Unlock with Adarsh

4.5.2. Publication of technical magazines, newsletters, etc. (5)

S.No.	Name of the news letter	Year	Volume	Issue No.	Frequency : Quarterly/Half-Yearly	Staff Editors	Student Editors
1	Vidhyullatha	2020-21	Vol.08	Issue2	Half Yearly	A.Srilatha	A.Neeradh,K.Hepsiba
2	Vidhyullatha	2020-21	Vol.08	Issue1	Half Yearly	A.Srilatha	A.Neeradh,K.Hepsiba
3	Vidhyullatha	2019-20	Vol.07	Issue2	Half Yearly	A.Srilatha	P.Juhitha Reddy,Shubham maroo
4	Vidhyullatha	2019-20	Vol.07	Issue1	Half Yearly	A.Srilatha	P.Juhitha Reddy,Shubham Maroo
5	Vidhyullatha	2018-19	Vol.06	Issue2	Half Yearly	A.B.Bhavana Reddy	G.Tharun,J.Madhu Latha
6	Vidhyullatha	2018-19	Vol.06	Issue1	Half Yearly	A.B.Bhavana Reddy	G.Tharun,J.Madhu Latha

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

VIDHYULLATHA

ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT
NEWS LETTER

ISSUE YEAR: 2020-2021 VOL NO.05, ISSUE NO.01 PAGES: 9

Director's Desk

I am glad to open down a few words for the VIIT EEE Newsletter, since the inception of VIIT, we are striving hard and I can proudly say that we are quite successful in providing quality education to the students of undergraduate and post-graduate courses. But there is always room for improvement and we are not complacent with what we have achieved so far. We resolve and re-dedicate ourselves in embarking upon imparting the quality education at VIIT.

I congratulate all the faculty members on their incessant endeavors to improve their teaching technique and skills in pursuit of achieving excellence.

Patron's Message

An institution bridges the gap between an individual and a professional. Vidya Jyothi Institute of Technology is no exception to this. We stand high as a twenty-two year old pillar on which many technical excellences of all times nurtured their future. Besides, the institution is cognizant of the fact that students will achieve more in life with the Acquisition of basic life skills. What is important is that these life skills will help them to handle the challenges with ease in their professional and personal lives.

And as a fruitful consequence, VIIT EEE NEWSLETTER – the newsletter of college which started with a humble beginning is treading towards another milestone. On this occasion of release of yet another issue, I wish to congratulate the newsletter team and all the staff members.

Editorial:

EEE Dept is established in the year 1999, with an intake of 40 in UG program. Subsequently the intake increased to 120 gradually. The Post Graduate program of Power Electronics & Electrical Drives started during 2011-12 followed by the Electrical Power Systems program in 2013. The department has got its own library and spacious and well established laboratories. It has got a unique Model room which is the life time of EEE Dept to impart research oriented project based learning for all the students. It has the necessary infrastructural facilities required for imparting high quality education and the department is fully structured to meet the contemporary needs of the industry. Imparting high quality education is supported by well qualified with which experience in the field.

Editorial Board

Chief Patron: **Dr. J. Sri Baba Reddy** Director
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VISION OF THE INSTITUTION

- ❖ To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values
- ❖ To foster Scientific Temper in promoting the World class professional and technical expertise

MISSION OF THE INSTITUTION

- ❖ To create state-of-the-art infrastructural facilities for optimization of knowledge acquisition
- ❖ To nurture the students holistically and make them competent to excel in the global scenario
- ❖ To promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems

VISION OF THE DEPARTMENT

- ❖ To become a reputed department in the impartation of professional and technical expertise in the field of Electrical and Electronics Engineering.

MISSION OF THE DEPARTMENT

M1: Imparting Quality Technical Education by provision of state-of-the-art learning facilities.

M2: Preparing the students to think innovatively and find effective solutions to address engineering and societal problems with a multi-disciplinary approach maintaining continuous industry interaction.

M3: Encouraging team work and preparing the students for lifelong learning with ethical responsibility for a successful professional career.

Fig 4.21 News Letters

4.5.3 Participation in inter-institute events by students of the program of study (10)

(The Department shall provide a table indicating those publications, which received Awards in the events/conferences organized by other institutes)

Student Participations in Various Events

Number of students attended	Academic Year 2020-2021	Academic Year 2019-2020	Academic Year 2018-2019
Workshops	6	19	5
Hackathons	3	7	3
Online Quiz	10	22	-
Tech Fests	10	12	30
Coursera Certifications	-	742	-
IIT Bombay Certifications	-	75	-
CISCO Certifications	9	30	3
ISRO Certifications	7	-	-

Students' achievements Academic Year wise

Academic Year	2020-2021	2019-2020	2018-2019
No.of Awards	12 International-5 National-7	18 International-3 National-15	11 International-3 National-8

Sports Achievements

Academic Year	2019-2020	2018-2019
No.of Awards	5 Regional-5	8 Regional-8

Academic Year: 2020-21

International Events

S.No	Name of the Event	Description of the Event	Date of the Event	Place of the Event	Name of the Student	Number of Students Participated	Awarded
1	Hackathon Santri 2021	EDU-AR app	2021	Indonesia	Anirudh Soni, K Keshava Rao, Khwaja Sohail Ahmed	3	5 th Place
2	CISCO WebEx Virtual Hackathon	Virtual Hackathon	11 th February,2021	Virtual	Anirudh Soni, K Keshava Rao	2	Great effort,contribution and innovation
3	Paper Publication	Integrating and Optimizing Education with Augmented Reality	December-2020	IJERT,Journal	Anirudh Soni, K Keshava Rao, Khwaja Sohail Ahmed	3	Published
4	Ethical Hacking Masters Program	Master in Ethical Hacking	12 th August ,2020	Virtual Platform Top Mentor	K.Mani Chaitanya	1	Distinction
5	Minekee Hacks	Canada International Education Hackathon	1 st August 2020	Canada	Anirudh Soni, K Keshava Rao, Khwaja Sohail Ahmed	3	1 st Place

National Events

S.No	Name Of The Event	Description Of The Event	Date Of The Event	Place Of The Event	Name Of The Student	Number Of Students Participated	Awarded
1	Szikra 2k21 A National Level Technical Symposium	Quiz Wiz	1 st October,2021	Jai Shri Ram Engineering College	G Suprathika G Meghana	2	1 st Place
2	Techcluster'21	Technical Quiz	25 th September ,2021	Kongunadu College Of Engineering And Technology	P Akhil Goud P Pooja	2	1 st Place
3	Techfinix'21((Online) –A National Level Technical Symposium	Project Expo	27 th August,2021	Paavai Engineering College	K Pavan Kumar Kwaja Sohail Ahmed	2	2 nd Place
4	Electromind(An Fun Filled Entertaining Event)	E-Quiz	14 th July ,2021	Kongu Engineering College	T Venkatesh M Renuka Devi	2	1 st Place
5	Virtual National Technical Fest Electro Green'20	Poster Making	18 th December ,2020	Sir M.Visveswaraya Institute Of Technology	D.Tarun, E.Gunateja	2	2 nd Place
6	Virtual National Technical Fest Electro Green'20	Quiz Contest	18 th December ,2020	Sir M.Visveswaraya Institute Of Technology	G.Sharadha, J.Charanya	2	3 rd Place
7	Online Workshop	Fundamentals Of Matlab And Programming	6 th To 11 th July 2020	Kakatiya Institute Of Technology And Science	Anirudh Soni	1	90% Score In Final Evaluation Test

Photographs of achievement Certificates for International/National Events

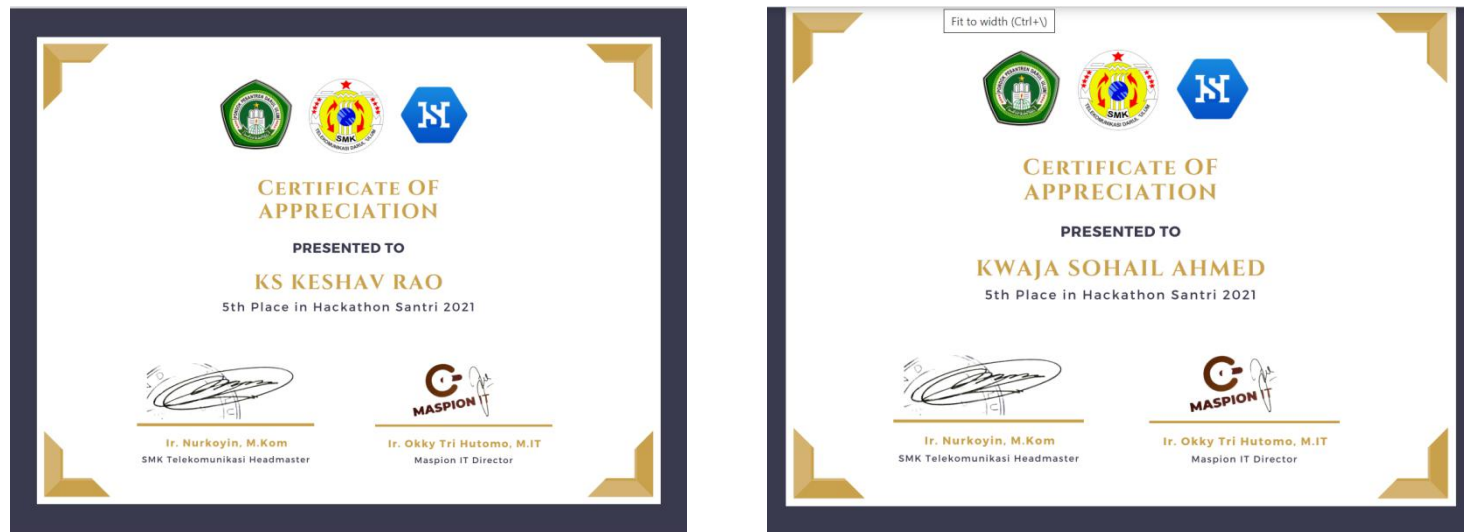


Fig 4.22 Hackathon Santri Certificates



Cisco Webex Virtual Hackathon

In recognition of
K S Keshava Rao

for your great effort, contributions, and innovation in the hackathon

Presented February 11, 2021

Javed Khan
Javed Khan
SVP/GM

Abhay Kulkarni
Abhay Kulkarni
VP/GM

Lorriisa Horton
Lorriisa Horton
VP/GM



Cisco Webex Virtual Hackathon

In recognition of
Anirudh Soni

for your great effort, contributions, and innovation in the hackathon

Presented February 11, 2021

Javed Khan
Javed Khan
SVP/GM

Abhay Kulkarni
Abhay Kulkarni
VP/GM

Lorriisa Horton
Lorriisa Horton
VP/GM

Fig 4.23 Cisco Webex Virtual hackathon Certificates



Fig 4.24 Paper Publication in International Journal of Engineering Research & Technology



Fig 4.25 National Tech Fest Certificates

Academic Year: 2019-20
International Events

S.No	Name of the Event	Description of the Event	Date of the Event	Place of the Event	Name of the Student	Number of Students Participated	Awarded
1	Paper Publication	Parking System For Smart Cities	September ,2019	IJRTE	V.Sai Ganesh, Mir Farazuddin Hamza, Ahmed Ahtesham Uddin	3	Published
2	Paper Publication	Wi-Fi Enabled IoT Based Smart Greenhouse	September ,2019	IJRTE	V.Sai Ganesh, Mir Farazuddin Hamza	2	Published
3	Paper Publication	Automatic Parallel Car Parking System using Sensors and Arduino UNO	September ,2019	IJRTE	V.Sai Ganesh, Mir Farazuddin Hamza	2	Published

National Events

S.No	Name Of The Event	Description Of The Event	Date Of The Event	Place Of The Event	Name Of The Student	Number Of Students Participated	Awarded
1	Excite -2020	Six Week Product Engineering Workshop	18 th June - 30 th July 2020	J-Hub,Jntuh	Anirudh Soni, Ks Keshava Rao,,Kareti Pavan Kumar, Dev Kumar Jaiswal,Kwaja Sohail Ahmed	5	6 th Place
2	Online Technical Quiz	Technical Quiz	2 nd May 2020	Narayana Engineering College	Anirudh Soni	1	100% Scored
3	Online Quiz	Online Quiz On Power Systems	27 th May 2020	Institute Of Aeronautical Engineering	Ch.Susmitha Goud	1	100% Scored
4	Online Quiz	Basic Electrical Engineering Quiz	27 th May 2020	Raghu Institute Of Technology	Ch.Akanksha	1	100% Scored
5	Online Quiz	Quiz On Electrical Engineering	21 st May 2020	Mallareddy College Of Engineering And Technology	Ch.Akanksha	1	100% Scored
6	Cornathon-2020	Twelve Day National Level Online Hackathon	19 th -30 th May 2020	Cmr Engineering College	Anirudh Soni, K S Keshava Rao,Khwaja Sohail Ahmed	3	1 st Place
7	J-Hub Hacakthon League	Hacakthon League	24 th -25 th January 2020	Bvrit College For Women	Anirudh Soni, Ks Keshava Rao,,Kareti Pavan Kumar, Dev Kumar Jaiswal	4	Awarded 1 st Place And Also Cash Prize Of Rs 2000
8	Electra'20 A Technical Symposium	Circuit Debugger	20 th March 2020	Karunya Institute Of Technology And Science	N Anil Kumar S Sreenija	2	1 st Place
9	Pragnya 2020 National Level	Project Expo	12 th & 13 th March 2020	Jntuh	Anirudh Soni, Ks Keshava Rao,,Kareti Pavan Kumar,	4	2 nd Place

	Technical Symposium				Khwaja Sohail Ahmed		
10	Technomania-2020	Mind Game	12 th March 2020	Vaishno Group Of Colleges	A Sai Kishore Reddy B Sai Ganesh	2	2 nd Place
11	Gtu Tech Fest 2020	Circuitrix	27 th And 28 th February 2020	Sal Education Campus	P Gowthami S Hima Bindu S Sravya	3	2 nd Place
12	Elecxa,20	Adzap	19 th February 2020	Srm Institute Of Science And Technology	I Sai Ram K Likith Sai Chandra	2	1 st Place
13	Elysium Technical Fest -2020	Technical Quiz	Feb 28 th To 29 th , 2020.	Holy Mary Insitute Of Technology And Science	B Manjula L Keshini	2	2 nd Place
14	Inspiron-2020	Poster Presentation	14 th February 2020	N.B.K.R.Institut e Of Science And Technology	P Raju P Vishnu	2	1 st Place
15	Spectra 2020	Meshmerize	31 st January To 1 st February 2020	Sardar Patel College Of Engineering	B Naveen K Sairam	2	Consolation Prize

Automatic Parallel Car Parking System using Sensors and Arduino UNO

Soma Ram Ganesh, V.Sai Ganesh, Mir Farazuddin Hamza, Sahil Ramwal , Siddhartha Ghosh

Abstract: In this busy world, people are tending towards automation in all routine works which in turn is saving their time. Due to the increased use of cars and congested places, everywhere we are facing a queue to pass through. One such queue we face is in the parallel parking lots. For solving this problem, many automobile manufacturers have come up with Auto Parking Features in New Model Cars. Then what about Old Cars? Shouldn't those Old Cars get modified with this Auto Parking facility? Yes, they can get modified with our proposed solution. In this paper, we are presenting a solution in the form of a module for the parallel parking problem called "Automatic Parallel Car Parking System - using Sensors and Arduino UNO". Along with New Cars, this module can also be integrated with Old Electric Cars to bring Auto Parallel Park feature. This paper also discusses existing Auto Parallel Parking Systems. It also discusses the proposed solution by solving the flaws in existing solutions. The proposed solution is easily adaptable, with small modifications to an electric car. Future enhancements are also proposed.

Keywords: Auto Parallel Parking, ultrasonic Sensors, IR Sensors, Arduino UNO, Autonomous Parking, Self Parking

I. INTRODUCTION

In recent years, Microcontrollers, Electronic Components, Sensors, Actuators, etc have become so advanced and cost efficient that, many real world problems are easily being solved using them in low cost with high accuracy. Based on the program written and dumped by the programmer, the processor (or) controller used sensors data and makes the actuators work accordingly. We have chosen Arduino UNO Open Source Microcontroller and Arduino IDE over its other competitors because of its efficiency, easy to use and availability of vast libraries. Embedded C language is used in Arduino IDE to program this microcontroller. In this, we are proposing a module with a circuit which helps the Car parallel park autonomously.

II. RELATED WORK

As we are aware that, the problem in finding a car parking slot(mentioned in [5] and [9]) is very high in populated cities and we have to park our vehicle in these congested slots which

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is a big issue. So this realization made us work on automatic parallel parking system because a computer can park more efficiently(requires a slot only with the more (or) exact dimensions as of car) than a human(requires higher slot dimensions than car dimensions for the driver getting out of the car after parking, etc).

In our research, we have come across the works on Auto Parallel parking through various approaches and technologies like Image Processing in [8], using Simulink & Matlab in [7], using Microcontroller & Ultrasonic sensors in [6] [3]. Since Image Processing may require heavy performance processors, we haven't chose Image Processing Techniques as a choice of working instead thought of using sensors like IR sensors and Ultrasonic sensors.

We used IR and Ultrasonic sensors because, as of [1] IR works fine for obstacles made of Paper sheets, cardboard, Rubber, etc and Ultrasonic works fine for obstacles made of Sponge, Wood, Plastic, Tile, Rubber, Cardboard, etc. So a combination of both covers a wide range of Obstacle materials.

Since Matlab & Simulink are Commercial Softwares, the R&D of the final product may go high, so we decided to choose Open Source Tools.

While searching for Open Source Tools, we came across Arduino Boards (is Open source and Effective than its Competitors) through [2].

Then in the proposed solution, for using Arduino with Sensors we have referred some other inspiring and encouraging works in [6], [3], [5], [4] and came up with a solution in out point of view.

One of the modifications which we had made is making a Module to get integrated with an electric car motor to enable Auto Park Facility.

III. AUTOMATIC PARALLEL PARKING SYSTEM (PROPOSED SYSTEM)

A. Components Used:

1) **Arduino UNO:** It is a Microcontroller development board which has many electronic components embedded onto it which reduces our burden of connecting those small components manually by us. This Microcontroller can be easily programmed in an Open Source Arduino IDE using Embedded C language. The reason behind choosing this Microcontroller is the presence of huge number of pre made Open Source libraries. We use one Arduino UNO in the proposed solution.

2) **IR Sensor:** It is an electronic device which emits radiation to sense the aspects of the surroundings. It has



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Wi-Fi Enabled IoT Based Smart Greenhouse

V. Sai Ganesh, Soma Ram Ganesh, Mir Farazuddin Hamza, Dandu Sandeep, Siddhartha Ghosh

Abstract: In this present state-of-the-art, Internet of Things (IoT) is an emerging technology that is making our world smarter. Wi-Fi enabled greenhouse monitoring is an intelligent system which is based on several sensors that monitor various changes in temperature, gas concentrations, light and soil moisture in the greenhouse. This comes with an added advantage or provision of linking all these sensors to your mobile phones or computers/laptops using Wi-Fi and internet services through the concept of Internet of Things (IoT), so that if there are any fluctuations, you will be notified immediately. This provides convenient control, through manual operations if necessary, of the greenhouse anytime and anywhere as long as the device is connected to the internet. In this an artificial environment is created so that the crops yield more crops per square meter compared to open field cultivation since the micro climatic parameters that determine crop yield are continuously examined and controlled to ensure that an optimum environment is created.

Index Terms: Automation, Internet of Things, Micro controller, sensors, monitoring and web server.

I. INTRODUCTION

The Internet of things (IoT) is a network of physical things (usually non-living things) where the devices are web-enabled and can be connected with an IP address. This network is organized in order to automate day to day processes and reduce human exertions, increase economic benefits and efficiency of the particular process. Automation includes the concepts of prediction of future and improving the process which falls under artificial intelligence and machine learning, which also provides security and privacy of data, transmitted during the process.

A very simple example for internet of things is when an alarm is turned off in the morning, the bath tub is automatically filled with hot water.

Greenhouse System optimizes environmental conditions to enhance plant growth with improved yield in minimum possible time, which is one of the key aim of the modern agricultural system. [5] They are specifically equipped with plastic wall or glass to absorb the heat but also allowing the light to go pass through. In this system plants are grown in a particular specific temperature variation for better plant growth under monitored and controlled condition with less man power and more automation in it.

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II. SYSTEM SURVEY

Most of the previous system used smartphones and text messages primarily based approach to manage and monitor such reasonably greenhouses however during this project we tend to create this greenhouse self-control as we conjointly

implement all the operations of the greenhouse victimization the Nodemcu microcontroller that may be a distinctive approach at the time of the implementation of this project.

In this system, we have used Nodemcu which act as a processor and Wi-Fi module for sending the data to the cloud acquired from the sensors. Here all the devices are connected to the relays, and automatically controlled using the different environmental parameters such as Temperature, Soil moisture and light intensity.

Within the greenhouse environmental conditions can be controlled which might be very simple by just opening a ridge vent or as comprehensive as regulating the operation [6], we have installed exhaust fans and their number and operating speed can be changed to keep remain the greenhouse internal environment as per the predetermined conditions. The environmental variables that we are controlling within our greenhouse are the temperature of the air, and relative humidity. For the purpose of cooling, fresh air should be entered in the greenhouse which we have done using the vent.

III. EXISTING WORKS

HOVE International, Inc. has been developing a partial and fully automated greenhouse bench systems, multilevel growing, potting equipment etc., which are used to decrease labor cost by switching and automatically distributing and placing plants uniformly. The Greenhouses which use their technologies include Burnaby Lake Greenhouses Ltd., Westbrook greenhouse systems Ltd. Etc.,

Intel smart greenhouse uses AWS and IoT technologies to automate the door opening and closing according to the sunlight and fresh air needed. Some of its actions include turning on fan when room temperature exceeds 80.5F, turning on misters when soil moisture drops below 70% until moisture level reaches 75%, turning room misters until humidity reaches 80%.

IV. PROPOSED SYSTEM

For this proposed system, the Arduino IDE is used for programming all the sensors and components that are necessary. The list of components used is:



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Fig 4.26 Paper Publications by students



4.27 A National Level Technical Symposium Certificates

**Academic Year: 2018-19
International Events**

S.No	Name of the Event	Description of the Event	Date of the Event	Place of the Event	Name of the Student	Number of Students Participated	Awarded
1	Nasa International Space Apps Challenge 2018	PRE-HACKATHON	2018	Vishnu Universal Learning	Mir Faraz hamza, V.Sai Ganseh	2	Outstanding skills
2	International Conference-Asia World Model United Nations Ii	Paper Presentation on Improving Strategy to Protect World Heritage Caused by Climate	30 th January to 2 nd February 2019 in	Bangkok, Thailand	V.Sai ganesh	1	Paper presentation
3	NASA space APPS-2018	Smart City Hackathon	20 th and 21 st October 2018	Exhibition ground, Hyderabad	K.Rajeswari, Rishab Shukla, V.Sai Ganesh	3	Exemplary performance

National Events

S.No	Name of the Event	Description of the Event	Date of the Event	Place of the Event	Name of the Student	Number of Students Participated	Awarded
1	Prethamatech-2019	Paper Presentation	28 th to 29 th - March-2019	Prime Institute of Engineering & Technology	S Hareesh R Sumith Kumar	2	2 nd Place
2	Pragnya 2019	Technical Quiz	13 th & 14 th March 2019	JNTUH	K.Nalini, J.Madhulatha	2	2 nd Place
3	Techsonance	CIRCUITRIX	1 st & 2 nd	University College	D Srinivas	2	1 st Place

	2k19		March 2019	of Engineering OU	T Sunil Sai		
4	Techsonance 2k19	IDENTIKIT	1 st & 2 nd March 2019	University College of Engineering Osmania University	K Kapil Kumar K Abhinav	2	3 rd Place
5	J- HUB Hackathon league	Hackathon	2 nd & 3 rd February 2019	JNTUH	K.Adarsh,,G.Sohith,K.Aravinda Chary,Ch.Srisailam	4	2 nd Place
6	ELECTECZ A National level technical Symposium	MAFIX	25 th September 2018	Sriram Engineering College	N Raj Kumar T Yadagiri	3	2 nd Place
7	Radiance	IoT Challenge 2019	17 th & 18 th August 2018	I3indya Technologies	Mir Farazuddin Hamza	1	Oustanding Performance
8	TECHYUGA'18	Solariz	17 th August 2018	Ramco Institute of Technology	G Vidya K Vani	2	1 st Place



Fig 4.28 V.Sai Ganesh presented paper in International Conference at AsiaWorld Model United Nations-II



Fig 4.29 Pre Hackathon at Vishnu Universal Learning



Fig 4.30 J-HUB Hackathon League at JNTUH

Sports Events

Academic Year: 2019-2020

S.No.	Name Of The Event	Description Of The Event	Date Of Event	Place Of The Event	Name Of The Student	Number Of Students Participated	Awarded
1	Energize 2k20- A National Level Sports Fest	Volley Ball	13th & 14th Mar 2020	Malla Reddy Engineering College	M.Ganesh&Matt a Shiva	2	Winner

2	Rudrasandhaan 2020- Sports Fest	Volley Ball	11th - 13th March 2020	Avn Institute Of Engineering & Technology Hyderabad	M.Ganesh&Matta Shiva	2	Winner
3	Arena 2020	Volley Ball	23rd To 26th Jan 2020	Bits Pilani Hyderabad	M.Ganesh	1	1st Place
4	Khelothsav 2020	Volley Ball	Jan 6th-7th 2020	Griet Hyderabad	M.Ganesh	1	Winner
5	State Level Engineering Premier League	Volley Ball	2019-20	Cvr College Of Engineering Hyderabad	M.Ganesh&Matta Shiva	2	1st Prize

Academic Year: 2018-2019

S.No.	Name Of The Event	Description Of The Event	Date Of Event	Place Of The Event	Name Of The Student	Number Of Students Participated	Awarded
1	Symminaret 19- Multi Disciplinary Fest	Volley Ball	1st & 2nd March 2019	Symbiosis Law School Hyderabad	M.Ganesh&Matta Shiva	2	1st Position
2	11th Indian Open Inter Engineering Collegiate Sports Fest- 2019	Volley Ball	13th & 14th Feb 2019	Vnr Vjiet Hyderabad	M.Ganesh	1	1st Place
3	Sports Meet 2k19	Volley Ball	7th To 10th Jan 2019	Nagole Institute Of Technology & Science	M.Ganesh&Matta Shiva	2	Runner

4	Sports Bout 2k18- A National Level Sports Festival	Volley Ball	4th & 5th Jan 2019	Anurag Group Of Institutions Hyderabad	M.Ganesh&Matta Shiva	2	1st Place
5	Arena 2019	Volley Ball	2019	Bits Pilani Hyderabad	M.Ganesh&Matta Shiva	2	1st Place
6	Aura 2018-A National Sports Fest	Volley Ball	18th To 20th Sep 2018	Cbit Hyderabad	M.Ganesh&Matta Shiva,N.Vinay Kumar	3	Winner
7	State Level Engineering Premier League	Volley Ball	2018-19	Cvr College Of Engineering Hyderabad	M.Ganesh&Matta Shiva	2	1st Prize
8	Padmabhushan Dr.B V Raju Memorial Tournament 2018	Volley Ball	8th To 10th Jan 2018	Bvrit Hyderabad	M.Ganesh&Matta Shiva	2	Runner



Fig 4.31 BITS Pilani ,Hyderabad Sports Fest



Fig 4.32 AURA 2018-A National Sports Fest at CBIT



Fig 4.33 State Level Engineering Premier League at CVR College of Engineering



Fig 4.34 State Level Engineering Premier League at CVR Engineering College

CRITERION 5	FACULTY INFORMATION AND CONTRIBUTIONS	200
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FACULTY INFORMATION: AY 2020-21:

S. No.	Name	PAN No.	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor/ Associate Professor	Currently Associated (Y/N)	Nature of Association (Regular/Contract/Adjunct)	If contractual mention Full time or Part time	Date of Leaving (In case Currently Associated is "No")
1	Dr. A. Srujana	AEMPA6212Q	PhD	PE	Professor&HOD	10/06/2019	10/06/2019	Yes	Regular	-----	
2	Dr. S. Siva Prasad	BBSPS1806E	PhD	PE	Professor	20/6/2011	19/06/2014	No	Regular	-----	15/6/21
3	Dr. D Bala Gangi Reddy	AFZPD5269C	PhD	PS	Professor	15/06/2012	05/01/2015	Yes	Regular	-----	
4	Dr. C. N. Ravi	AJYPR9090E	PhD	PS	Professor	19/06/2013	05/01/2015	Yes	Regular	-----	
5	Dr. G. Madhusudhana Rao	AIYPM4669F	PhD	PE	Professor	04/06/2018	04/06/2018	No	Regular	-----	20/5/21
6	Dr. Surender Reddy	CGPPS7523F	PhD	PS	Professor	13/06/2014	13/06/2014	No	Regular	-----	16/6/21
7	Dr. Harikrishna Muda	AULPM3365R	PhD	PSP	Associate Professor	02/12/2020	02/12/2020	Yes	Regular	-----	
8	Mr. K. Satish Kumar	AQYPK8795Q	M. Tech	EPS	Associate Professor	1/7/2011	1/6/2014	Yes	Regular	-----	
9	Mrs.A.Srilatha	AGTPA4128L	M. Tech	PE	Associate Professor	7/06/2018	7/06/2018	Yes	Regular	-----	

10	Mr. A. Narasimha Rao	ACCPA8754F	M. Tech	EPS	Associate Professor	1/7/2014	1/7/2014	No	Regular	-----	02/07/21
11	Mr. P. Nageshwar Rao	AQOPP7863N	M. Tech	EPS	Associate Professor	21/11/2011	21/11/2011	Yes	Regular	-----	
12	Mr. D.Srinivas	ANQPD5549Q	M. Tech	EPS	Associate Professor	17/7/2006	14/8/2015	Yes	Regular	-----	
13	Mrs. V.Vijayalaxmi	AIMPV6101D	M. Tech	PEED	Associate Professor	2/7/2012	14/8/2015	Yes	Regular	-----	
14	Mr. T.Parameshwar	AGOPT6587H	M. Tech	EPS	Associate Professor	20/12/2008	14/8/2015	Yes	Regular	-----	
15	Mr. Hussain shaik	BVDPS5188J	M. Tech	PEED	Associate Professor	01/06/2011	14/8/2015	Yes	Regular	-----	
16	Mr. M.Vijaykumar	CEJPM2950J	M. Tech	EPS	Assistant Professor	18/07/2011	18/07/2011	Yes	Regular	-----	
17	Mrs. K.Swapna	BPAPK5585C	M. Tech	EPS	Assistant Professor	6/3/2013	6/3/2013	Yes	Regular	-----	
18	Mrs. S.Chaitanya	EPOPS0506C	M. Tech	PS & PE	Assistant Professor	1/6/2012	1/6/2012	Yes	Regular	-----	
19	Mr.P. Naga Muneendra	BBNPP5769A	M. Tech	PEED	Assistant Professor	23/6/2014	23/6/2014	Yes	Regular	-----	
20	Mr. L. Raju	AGPPL7850G	M. Tech	PEED	Assistant Professor	27/6/2014	27/6/2014	Yes	Regular	-----	
21	Mr.VikramChandha	ANNPV5868Q	M. Tech	HVE	Assistant Professor	1/7/2014	1/7/2014	Yes	Regular	-----	
22	Mrs. P. Vaishnavi Devi	CULPP0253P	M. Tech	PE & PS	Assistant Professor	2/7/2014	2/7/2014	Yes	Regular	-----	
23	Mr. B.Sudhakar Reddy	CHRPB9121P	M. Tech	PEED	Assistant Professor	2/12/2015	2/12/2015	Yes	Regular	-----	
24	Mr. K. Rajeev	BTZPK7696B	M. Tech	EPS	Assistant Professor	01/06/2016	01/06/2016	Yes	Regular	-----	
25	Mr.S. Suresh	FVPPS4209J	M. Tech	EPS	Assistant Professor	01/12/2016	01/12/2016	Yes	Regular	-----	

26	Mrs. K.Haritha	CASPK8882J	M. Tech	PEED	Assistant Professor	5/01/2017	5/01/2017	Yes	Regular	-----	
27	Mr. B. Rajesh	APQPB6293M	M. Tech	PEID	Assistant Professor	01/11/2017	01/11/2017	Yes	Regular	-----	
28	Mr.A.Mohandas	ARSPA6724E	M. Tech	PE&D	Assistant Professor	1/8/2019	1/8/2019	Yes	Regular	-----	
29	Ms.A.B. Bhavana Reddy	ATIPA8771F	M. Tech	PEED	Assistant Professor	01/12/2016	01/12/2016	No	Regular	-----	21/6/21
30	Mr.B.Subhramanyam	CDKPB1328K	M. Tech	EPS	Assistant Professor	04/06/2018	04/06/2018	Yes	Regular	-----	
31	Ms.V.Anuradha	AXWPA2706L	M. Tech	EPS	Assistant Professor	03/06/2020	03/06/2020	Yes	Regular	-----	

FACULTY INFORMATION: AY 2019-20:

S. No.	Name	PAN No.	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor/ Associate Professor	Currently Associated (Y/N)	Nature of Association (Regular/Contract/Adjunct)	If contractual mention Full time or Part time	Date of Leaving (In case Currently Associated is "No")
1	Dr. A. Srujana	AEMPA6212Q	PhD	PE	Professor&HOD	10/06/2019	10/06/2019	Yes	Regular	-----	
2	Dr. S. Siva Prasad	BBSPS1806E	PhD	PE	Professor	20/6/2011	19/06/2014	No	Regular	-----	15/6/21
3	Dr. D BalaGangi Reddy	AFZPD5269C	PhD	PS	Professor	15/06/2012	05/01/2015	Yes	Regular	-----	

4	Dr. C. N. Ravi	AJYPR9090E	PhD	PS	Professor	19/06/2013	05/01/2015	Yes	Regular	-----	
5	Dr. G. Madhusudhana Rao	AIYPM4669F	PhD	PE	Professor	04/06/2018	04/06/2018	No	Regular	-----	20/5/21
6	Dr.Surender Reddy	CGPPS7523F	PhD	PS	Professor	13/06/2014	13/06/2014	No	Regular	-----	16/6/21
7	Mr. K. Satish Kumar	AQYPK8795Q	M. Tech	EPS	Associate Professor	1/7/2011	1/6/2014	Yes	Regular	-----	
8	Mrs.A.Srilatha	AGTPA4128L	M. Tech	PE	Associate Professor	7/06/2018	7/06/2018	Yes	Regular	-----	
9	Mr. A. Narasimharao	ACCPA8754F	M. Tech	EPS	Associate Professor	1/7/2014	1/7/2014	No	Regular	-----	02/07/21
10	Mr. P.Nageshwar Rao	AQOPP7863N	M. Tech	EPS	Associate Professor	21/11/2011	21/11/2011	Yes	Regular	-----	
11	Mr. D.Srinivas	ANQPD5549Q	M. Tech	EPS	Associate Professor	17/7/2006	14/8/2015	Yes	Regular	-----	
12	Mr. Dheeraj K	AQLPK5134E	M. Tech	CS	Assistant Professor	01/07/2017	01/07/2017	No	Regular	-----	12/6/2020
13	Mrs. V.Vijayalaxmi	AIMPV6101D	M. Tech	PEED	Associate Professor	2/7/2012	14/8/2015	Yes	Regular	-----	
14	Mr. T.Parameshwar	AGOPT6587H	M. Tech	EPS	Associate Professor	20/12/2008	14/8/2015	Yes	Regular	-----	
15	Mr. Hussain shaik	BVDPS5188J	M. Tech	PEED	Associate Professor	1/6/2011	14/8/2015	Yes	Regular	-----	
16	Mr. M.Vijaykumar	CEJPM2950J	M. Tech	EPS	Assistant Professor	18/7/2011	18/7/2011	Yes	Regular	-----	
17	Mrs. K.Swapna	BPAPK5585C	M. Tech	EPS	Assistant Professor	6/3/2013	6/3/2013	Yes	Regular	-----	
18	Mrs. S.Chaitanya	EPOPS0506C	M. Tech	PS & PE	Assistant Professor	1/6/2012	1/6/2012	Yes	Regular	-----	
19	Mr.P. Naga Muneendra	BBNPP5769A	M. Tech	PEED	Assistant Professor	23/6/2014	23/6/2014	Yes	Regular	-----	

20	Mr. L. Raju	AGPPL7850G	M. Tech	PEED	Assistant Professor	27/6/2014	27/6/2014	Yes	Regular	-----	
21	Mr. Vikram Chandha	ANNPV5868Q	M. Tech	HVE	Assistant Professor	1/7/2014	1/7/2014	Yes	Regular	-----	
22	Mrs. P. Vaishnavi Devi	CULPP0253P	M. Tech	PE & PS	Assistant Professor	2/7/2014	2/7/2014	Yes	Regular	-----	
23	Mr. B. Sudhakar Reddy	CHRPB9121P	M. Tech	PEED	Assistant Professor	2/12/2015	2/12/2015	Yes	Regular	-----	
24	Mr. K. Rajeev	BTZPK7696B	M. Tech	EPS	Assistant Professor	01/06/2016	01/06/2016	Yes	Regular	-----	
25	Mr. S. Suresh	FVPPS4209J	M. Tech	EPS	Assistant Professor	01/12/2016	01/12/2016	Yes	Regular	-----	
26	Mrs. K. Haritha	CASPK8882J	M. Tech	PEED	Assistant Professor	5/01/2017	5/01/2017	Yes	Regular	-----	
27	Mr. B. Rajesh	APQPB6293M	M. Tech	PEID	Assistant Professor	01/11/2017	01/11/2017	Yes	Regular	-----	
28	Mr. A. Mohandas	ARSPA6724E	M. Tech	PE&D	Assistant Professor	1/8/2019	1/8/2019	Yes	Regular	-----	
29	Ms. A. B. Bhavana Reddy	ATIPA8771F	M. Tech	PEED	Assistant Professor	01/12/2016	01/12/2016	No	Regular	-----	21/6/21
30	Mr. B. Subhramanyam	CDKPB1328K	M. Tech	EPS	Assistant Professor	04/06/2018	04/06/2018	Yes	Regular	-----	

FACULTY INFORMATION: AY 2018-19:

S. No.	Name	PAN No.	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor/ Associate Professor	Currently Associated (Y/N)	Nature of Association (Regular/Contract/ Adjunct)	If contractual mention Full time or Part time	Date of Leaving (In case Currently Associated is "No")
1	Dr. S. Siva Prasad	BBSPS1806E	PhD	PE	Professor&HOD	20/6/2011	19/06/2014	No	Regular	----	15/6/21
2	Dr. D BalaGangi Reddy	AFZPD5269C	PhD	PS	Professor	15/06/2012	05/01/2015	Yes	Regular	----	
3	Dr. C. N. Ravi	AJYPR9090E	PhD	PS	Professor	19/06/2013	05/01/2015	Yes	Regular	----	
4	Dr. G. Madhusudhana Rao	AIYPM4669F	PhD	PE	Professor	04/06/2018	04/06/2018	No	Regular	----	20/5/21
5	Dr.Surender Reddy	CGPPS7523F	PhD	PS	Professor	13/06/2014	13/06/2014	No	Regular	----	16/6/21
6	Dr. S.Devagowda	AHEPS4431N	PhD	PS	Professor	05/06/2013	05/06/2013	No	Regular	----	29/05/19
7	Mr. K. Satish Kumar	AQYPK8795Q	M. Tech	EPS	Associate Professor	1/7/2011	01/06/2014	Yes	Regular	----	
8	Mr. A. Narasimharao	ACCPA8754F	M. Tech	EPS	Associate Professor	1/7/2014	1/7/2014	No	Regular	----	02/07/21
9	Mr. P.Nageshwar Rao	AQOPP7863N	M. Tech	EPS	Associate Professor	21/11/2011	21/11/2011	Yes	Regular	----	
10	Mr. D.Srinivas	ANQPD5549Q	M. Tech	EPS	Associate Professor	17/7/2006	14/8/2015	Yes	Regular	----	
11	Mr. Dheeraj K	AQLPK5134E	M. Tech	CS	Assistant Professor	01/07/2017	01/07/2017	No	Regular	----	12/6/2020

12	Mrs. V.Vijayalaxmi	AIMPV6101D	M. Tech	PEED	Associate Professor	2/7/2012	14/8/2015	Yes	Regular	-----	
13	Mr. T.Parameshwar	AGOPT6587H	M. Tech	EPS	Associate Professor	20/12/2008	14/8/2015	Yes	Regular	-----	
14	Mr. Hussain shaik	BVDPS5188J	M. Tech	PEED	Associate Professor	1/6/2011	14/8/2015	Yes	Regular	-----	
15	Mr. M.Vijaykumar	CEJPM2950J	M. Tech	EPS	Assistant Professor	18/7/2011	18/7/2011	Yes	Regular	-----	
16	Mrs. K.Swapna	BPAPK5585C	M. Tech	EPS	Assistant Professor	6/3/2013	6/3/2013	Yes	Regular	-----	
17	Mrs. S.Chaitanya	EPOPS0506C	M. Tech	PS & PE	Assistant Professor	1/6/2012	1/6/2012	Yes	Regular	-----	
18	Mr.P. Naga Muneendra	BBNPP5769A	M. Tech	PE	Assistant Professor	23/6/2014	23/6/2014	Yes	Regular	-----	
19	Mr. L. Raju	AGPPL7850G	M. Tech	PEED	Assistant Professor	27/6/2014	27/6/2014	Yes	Regular	-----	
20	Mr.VikramChandha	ANNPV5868Q	M. Tech	HVE	Assistant Professor	1/7/2014	1/7/2014	Yes	Regular	-----	
21	Mrs. P. Vaishnavi Devi	CULPP0253P	M. Tech	PE & PS	Assistant Professor	2/7/2014	2/7/2014	Yes	Regular	-----	
22	Mr. B.Sudhakar Reddy	CHRPB9121P	M. Tech	PEED	Assistant Professor	2/12/2015	2/12/2015	Yes	Regular	-----	
23	Mr. K. Rajeev	BTZPK7696B	M. Tech	EPS	Assistant Professor	01/06/2016	01/06/2016	Yes	Regular	-----	
24	Mr.S. Suresh	FVPPS4209J	M. Tech	EPS	Assistant Professor	01/12/2016	01/12/2016	Yes	Regular	-----	
25	Mrs. K.Haritha	CASPK8882J	M. Tech	PEED	Assistant Professor	5/01/2017	5/01/2017	Yes	Regular	-----	
26	Mr. B. Rajesh	APQPB6293M	M. Tech	PEID	Assistant Professor	01/11/2017	01/11/2017	Yes	Regular	-----	
27	Ms.A.B. Bhavana Reddy	ATIPA8771F	M. Tech	PEED	Assistant Professor	01/12/2016	01/12/2016	No	Regular	-----	21/6/21

28	Mr.B.Subhramanyam	CDKPB1328K	M. Tech	EPS	Assistant Professor	04/06/2018	04/06/2018	Yes	Regular	-----	
29	Mrs. M.Soujanya	APLPM6370H	M. Tech	EPS	Assistant Professor	26/7/2012	26/7/2012	Yes	Regular	-----	29/05/19
30	Mrs.G. Sudha Rani	BCWPS5291L	M. Tech	EPS	Assistant Professor	23/06/2011	23/06/2011	Yes	Regular	-----	29/05/19

5.1 Student-Faculty Ratio (SFR) (20)

No. of UG Programs in the Department (n): 1

No. of PG Programs in the Department (m): 2

No. of Students in UG 2ndYear= 145+147+162=454

No. of Students in UG 3rdYear= 147+162+152=461

No. of Students in UG 4thYear=162+152+155=469

No. of Students in PG 1st Year= 48+48+48=144

No. of Students in PG 2ndYear=36+36+36=108

No. of Students=Sanctioned Intake +Actual Admitted Lateral Entry Students

(The above data to be provided considering all the UG and PG programs of the department)

S=Number of Students in the Department =UG1+UG2+UG3+PG1+PG2 =454+461+469+144+108=1636

F=Total Number of Faculty Members in the Department (excluding first year faculty) =31+30+30=91

Student -Faculty Ratio (SFR) = S/F =17.978

Year	CAY(2020-21)	CAYm1(2019-20)	CAYm2(2018-19)
UG 2nd Year	145	147	162
UG 3rd Year	147	162	152
UG 4th Year	162	152	155
PG 1st Year	48	48	48
PG 2nd Year	36	36	36
Total No. of Students in the department(S)	538	545	553
No. of Faculty in the Department (F)	31	30	30
Student Faculty Ratio(SFR)	17.35	18.16	18.43
Average SFR	17.98		

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

	Total number of regular faculty In the department	Total number of contractual Faculty in the department
CAY	31	0
CAYm1	30	0
CAYm2	30	0

5.2 Faculty Cadre Proportion (20)

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

F1: Number of Professors required = $\frac{1}{9} \times$ Number 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 = $\frac{2}{9} \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F3: Number of Assistant Professors required = $\frac{6}{9} \times$ Number of Faculty 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	2.99	6	5.98	1	17.93	24
CAYm1	3	6	6.1	0	18.2	24
CAYm2	3.07	6	6.14	0	18.43	24
Average Numbers	RF1=3.03	AF1=6	RF2=6.06	AF2=0.33	RF3=18.18	AF3=24

$$\text{Cadre Ratio Marks} = \left[\left[\frac{AF1}{RF1} \right] + \left[\frac{AF2 \times 0.6}{RF2} \right] + \left[\frac{AF3 \times 0.4}{RF3} \right] \right] \times 10$$

If $AF1=AF2=0$ then zero marks

Maximum marks to be limited if it exceeds 20

Example: Intake=60 (i.e. total no. of students=180); Required number of Faculty: 9; $RF1=1$, $RF2=2$ and $RF3=6$

Case1: $AF1/RF1=1$; $AF2/RF2=1$; $AF3/RF3=1$; Cadre proportion marks = $(1+0.6+0.4) \times 10=20$

Case2: $AF1/RF1=1$; $AF2/RF2=3/2$; $AF3/RF3=5/6$; Cadre proportion marks = $(1+0.9+0.3) \times 10$ = limited to 20

Case3: $AF1/RF1=0$; $AF2/RF2=1/2$; $AF3/RF3=8/6$; Cadre proportion marks = $(0+0.3+0.53) \times 10=8.3$
 $(1.98+0.33+0.528) \times 10=25.4$ Faculty cadre ratio = 25.42

5.3 Faculty Qualification (20)

$FQ = 2.0 \times [(10X + 4Y)/F]$ 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 20:1 Faculty Student ratio (no. of faculty and no. of students required are to be calculated as per 5.1)

	X	Y	F	$FQ=2.0x[(10X+4Y)/F]$
CAY	7	24	26.9	12.34
CAYm1	6	24	27.25	11.45
CAYm2	6	24	27.65	11.28
Average Assessment				11.69

5.4 Faculty Retention (10)

No. of regular faculty members in CAYm1 = 2019-20=30 CAY=2020-21=31

Description	2019-20	2020-21
No of Faculty Retained	28	27
Total no of Faculty (2018-19)	30	30
% Of Faculty Retained	93.33	90
Average	91.67	

5.5. Faculty competencies in correlation to Program Specific Criteria (10)

In order to prepare tomorrow's professionals for challenging and rewarding careers, the role of faculty in higher education is of exceptional importance. A professional teacher should possess essential competencies that develop as a result of changing needs of our educational community, diversity of student groups and rapid industrial growth. Department of Electrical & Electronics Engineering, the faculty members, are motivated to participate in workshops, FDPs, MOOC courses, conference and paper publication etc. to enable them to be at par with the changing trends in technology. The knowledge and expertise gained by the faculty members are further used in the development of courses, project guidance etc.

The Program Specific outcomes (PSOs) of Electrical and Electronics Engineering are:

PSO1: Conceptualize electrical and electronics systems, employ control strategies for power electronics related applications to prioritize societal requirements.

PSO 2: Apply the appropriate techniques and modern engineering hardware and software tools in electrical engineering to engage in multi-disciplinary environments.

5.5.1 (a) Faculty competencies in Correlation to Research Publications:

S.No	Name of the faculty	Specialization	Research Publications	PSO Compliance
1	Dr. A. Srujana	Power Electronics	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Dr.A. Srujana. "Integrated Renewable Energy Sources for the minimization of Emission and Economic Operation of Power System." (WoS Indexed) ➤ Dr.A. Srujana, S.D.S. Jebaseelan, N.B.M. Selvan, et al., Solving constrained economic electrical energy generation and CO2 emission dispatch using hybrid algorithm. Environmental Technology & Innovation (2021), (SCI Indexed) ➤ Dr.A. Srujana, Mrs. A. Srilatha, Mr. S. Suresh, Electric Vehicle Battery Modelling and Simulation Using MATLAB-Simulink, Turkish Journal of Computer and Mathematics Education April 2021, SCOPUS, Vol.12 Issue-3, ISSN:4604-4609, 4604-4609 	PSO1, PSO2

			<ul style="list-style-type: none"> ➤ Dr. A. Srujana,K. Rakesh Kumar, Plug-And-Play Compliant Control Hybrid System for Micro-Grid, Journal of Critical Reviews, July 2020, Scopus, Vol 7, Issue 04, pp- 3944- 3959 ➤ Dr.A. Srujana, Venugopal Reddy Bodha, Combination of ANFIS and PI Based Add-on Controller for Secondary waves and in Least Voltage Micro Grid, International Journal of Advanced Science and Technology, July 2020, Scopus, Volume. 29, No. 7, pp. 811-822. ➤ Dr. A. Srujana, N Narender Reddy, JarupulaSomla, Model Predictive Control Based Extended Kalman Filter to improve Power Quality in Micro Grid with Improved Particle Swarm Optimized Selective Harmonic Elimination, Journal of Advanced Research in Dynamical and Control Systems, March 2020, Scopus, Volume 12,Issue 2,Page No.1272 ➤ Dr. A. Srujana, Kore. Manohar, Harmonics Suppression in Induction Motor with SVPWM In PV System, Journal of Critical Reviews, July 2020, Scopus, Volume. 29, No. 7, pp. 2693-2703 ➤ Dr. A. Srujana, E. Ravi Naik and “Power Generation Method from Adaptive Control Power Point Tracking System” International Journal and Magazine of Engineering, Technology, Management and Research. Vol 2,Issue 6 Dec-2015 ➤ Dr. A. Srujana, Narender Reddy Narra, O. Chandra Shekarand, “Power Quality Enhancement in Micro Grids by Employing MPC-EKF” International Journal of Engineering and Technology, 7(3) (2018) 996-999. ➤ Dr. A. Srujana, Narender Reddy Narra, O.Chandrashekar “Power Quality Enhancement by MPC based Multi-level Control Employed with Improved Particle Swarm Optimized Selective Harmonic Elimination” Energy Sources Part A Recovery, Utilization and Environmental Effects, Taylor & Francis ➤ Dr. A. Srujana,Venugopal Reddy Bodha, and Chandrashekar “A Modified H Bridge Voltage Source Converter with Fault Ride 	
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			<p>Capability” ELSEVIER Journal for ENERGY 165 (2018) 1380-1391</p> <ul style="list-style-type: none"> ➤ Dr.A. Srujana, Narender Reddy N, Obbu Chandrashekar, Power Quality Enhancement by MPC based Multi-level Control Employed with Improved Particle Swarm Optimized Selective Harmonic Elimination, Energy Sources Part A Recovery, Utilization & Environment Effects Taylor& Francis, Jan 2019, SCOPUS, 2396-2414 ➤ Dr. A. Srujana, Venugopal Reddy Bodha, O.Chandrashekar, Predictive back-to-back SCHVC for renewable wind power system for scrutinizing quality and reliability, Energy Sources Part A: Recovery, Utilization and Environmental Effects, March 2019, Taylor Francis, Volume 41, Issue 24 Pages 3058-3075 ➤ Dr.A. Srujana, N Narender Reddy, Jarupula Somla, Tree Structured Multi Level Control System Design Based MPC-EKF for power Quality Enhancement with Selective Harmonic Elimination, International Journal of Recent Technology and Engineering, August 2019, Scopus, Volume-8, Issue-2, Page. No. 1158 	
2	Dr. S. Siva Prasad	Power Electronics	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Dr.S. Siva Prasad,Ch. Vikram,Space Vector Modulation Based Three Phase PWM Rectifier Voltage Oriented Control, Journal of Emerging Technologies and Innovative Research, VOL-7,Issue-2,Feb 2020. ➤ Dr.S. SivaPrasad,Lakshmi, C.N. Ravi,Transitory Control Algorithm of Reactive Current LSC of BDFIG Based Fuzzy Controller, International Journal of Innovative Technology and Exploring Engineering,VOL-7,Issue-2,Dec 2019 ➤ Dr. S. Siva Prasad, Ms. A.B Bhavana Reddy, A fuzzy based sliding mode controller design for a voltage regulated boost converter, International Journal of Engineering &Science, VOL- 5, Issue-3, April-2017 ➤ Dr. S. Siva Prasad, Ms. A.B Bhavana Reddy, Renewable power 	PSO1

			<p>generation system using 5-level and 9-level inverters, International Journal of Engineering & Science, VOL- 5, Issue-3, April-2017</p> <ul style="list-style-type: none"> ➤ Dr. S. Siva Prasad, Ms. A. B Bhavana Reddy, K. Rajeev, BLDC motor drive system using modified pulse width modulation technique using z-source inverter control scheme, International Journal of Engineering & Science, VOL- 5, Issue3, April-2017 ➤ Dr. S. Siva Prasad, Experimental analysis of best practices in engineering education implemented to electrical and electronics engineering students, International Journal of Engineering & Science, VOL- 5, Issue-3, April-2017. ➤ Dr. S. Siva Prasad, Mr. A. Praveen Kumar, Mr. S. Suresh, DVR based voltage sag compensation using novel particle swarm optimization technique, International Journal of Engineering & Science, VOL- 5, Issue-3, April-2017. ➤ Dr. S. Siva Prasad, Mr. S. Suresh, Mr. A. Praveen Kumar, Mrs. Deepa Nirankari, Fuzzy logic based novel pitch control for stability improvement in DFIG based wind energy systems, International Journal of Engineering & Science, VOL- 5, Issue-3, April-2017. ➤ Dr. S. Siva Prasad, Ms. Koduri Naga Swathi, Deepanidanakavi, Quality improvement by using wind and solar hybrid system with novel method, International Journal of Engineering & Science, VOL- 5, Issue- 3, March-2017. 	
3	Dr. D Bala Gangi Reddy	Electrical Power Systems	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Dr. D. Bala Gangi Reddy, Bolishetty Harish, Enhancement of Power Distribution systems Using Modified iupqc Controller, International Journal & Magazine of Engineering, Technology, Management and Research, ISSN: 2348-4845, Volume.04, Issueno.1, July-2016, Pages: 173-182, JAN 2017. ➤ Dr. D. Bala Gangi Reddy, P. Hemanth Kumar, B. Shruti, Reducing Power Quality Problems in Grid Connected Non-Conventional Energy Systems by Using Structure Control Facts Devices, NCIEEE Proceeding 	PSO1, PSO2

			<p>of NCIEEE'17, organized by Department of EEE, Sathyabama University, Chennai. 17th – 18th April 2017 ISBN: 978-81-924031-9-9, Pages: 177-183.</p> <ul style="list-style-type: none"> ➤ Dr. D. Bala Gangi Reddy, Sana Venkata Sateesh, Fuzzy Based Control of a PV Solar Farm as PV STATCOM For Reactive Power Compensation a during Day and Night, International Journal of Scientific Engineering and Technology Research, ISSN: 2319-8885 Volume.06, Issueno.31, october-2017, Pages: 6010-6018 ➤ Dr. D. Bala Gangi Reddy, Mohd Niyaz Ali Khan, Increasing Power Transfer Capacity Using Statcom IJARIE, Volume 4 /Issue 1 / SEP 2018 Pages: 642-651 ➤ Dr. D. Bala Gangi Reddy, Googolth Himabindu, PID control of hybrid ac/dc microgrid involving energy storage and pulsed loads International Journal Research, Volume 7/Issue VIII / 2018 Pages: 634-643 ➤ Dr. D. Bala Gangi Reddy, Pochampally Kalyani, charge control of batteries in a standalone solar photo-voltaic hybrid system International Journal Research, Volume 7, Issue IX, 2018 Pages: 562-569 ➤ Dr. D. Bala Gangi Reddy, K. Madhu, A Fuzzy Controlled Lcc HVDC System with AC Voltage and Reactive Power Control, International Journal of Management, Technology and Engineering, Volume IX, Issue VI, June/2019, Issn No: 2249-7455, Page No: 3609-3616 ➤ Dr. D. Bala Gangi Reddy, Md Fayaz Alam, Fuzzy Based Enhancement ofGrid Power Quality by Employing Pv or Wind Statcom In Transmission Lines, Universal Review, Volume VIII, Issue VI, JUNE/2019, ISSN NO: 2277-2723, Pages No: 768-772 ➤ Dr.D. Bala Gangi Reddy, Sabitha, Upqc Based SfcIFor Power Quality in ADistribution Power System, Journal of Critical Reviews, ISSN- 2394-5125 VOL 7, ISSUE 04, 2020, Pages No: 3960-3974 ➤ Dr.D. Bala Gangi Reddy, Rajitha, A Buck and Boost Single Phase Grid Connected Transformer Less Photovoltaic (Pv) Inverter Based Fuzzy Controller Journalof Critical Reviews, ISSN- 2394-5125 VOL 7, ISSUE 	
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16	Mr. M. Vijaykumar	Electrical Power Systems	<p style="text-align: center;"><u>Mapping PSO2</u></p> <ul style="list-style-type: none"> ➤ Mr.M. Vijay Kumar, Mohammed Iyas, Enhancement of Power Quality by Using Fuzzy Logic with a Multilevel THSeAF ForSingle-Phase Residential Household Applications, International Journal of Research ISSN NO:2236-6124, Volume VIII, Issue VI, JUNE/2019. ➤ Mr.M. Vijay Kumar, Mr.P. Nitish Raj, Modeling of electrical spring for improving power stability and power factor, international journal of research, Volume 7, ISSBN 2236-6124, Sept 2018. ➤ Mr.M. Vijay Kumar, S chaitanya, K Ramesh,; “A Novel three phase 	PSO2

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18	Mrs. K. Swapna	Electrical Power Systems	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ K.Swapna, D. Godwin Immanuel, “Survival Study on Bidding Strategy for Microgrid Interfaced Distributed Renewable Energy Sources”, ASIANCON2021,Pune, 2021& August. ➤ Mrs. K. Swapna, Mr.S. Suresh, “An Enhancement of Damping Power system Oscillation using Static Synchronous Series, Compensator (SSSC)”, ISSN: 1076-5131, Journal of Applied Science and Computations, Volume VI, Issue II, February/2019 ➤ Mrs.K. Swapna, Design and Implementation of a Three Phase Multilevel Inverter through Battery Balancing Algorithm, ISSN 2348-117X, International Journal of Electronics, Electrical and Computational System, Volume VI, Issue 12, December 2017 ➤ Mrs.K. Swapna,Mr.S.Suresh, Enhancement of Power Quality in Distribution System by using Facts through SMES, ISSN 2348-117X, International Journal of Electronics, Electrical and Computational System, Volume VI, Issue 12, December 2017 ➤ Mrs.K. Swapna, T. Parameshwar, A. Radha Krishna,A Modify Compensation Strategy for Power Quality Issues in Railway Electrification, ISSN 2319–8885, IJSETR, Volume V, Issue 25, 2016-17 	PSO1

			<ul style="list-style-type: none"> ➤ Mrs.K. Swapna, P. Muralidhar Standalone PV-battery-based hybrid microgrids with electric vehicle for unified control and power management scheme, ISSN 2236-6124, International journal of research, Volume VII, Issue IX, Sept 2018 ➤ Mrs.K. Swapna, C.N. Ravi, G. Godwin Immanuel. Quantity vs price competition in deregulated electricity markets, ISSN 2236-6124, International journal of research, Volume VIII, Issue II, February/2019. 	
17	Mrs. S. Chaitanya	Power Electronics & Drives	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ S. Chaitanya, S. Suresh, “Power Factor Correction Method Using PFC BOOST Converter for Non-Linear Loads”, International Journal of Creative Research Thoughts – IJCRT, 2320- 2882, Volume9, Issue 6 J, June, 2021. ➤ Mrs. S. Chaitanya “Novel Pv Cell Based Power Electronic Converter for Integration of Electric Vehicle and Grid”, JETIR; ISSN: 2349-5162 Published in Volume 7 Issue 2, February-2020 ➤ Mrs. S. Chaitanya “Power Factor Correction Method Using PFC Boost Converter for Non-Linear Loads”, IJCRT, Volume 9, Issue 6 June 2021 ISSN: 2320-2882 ➤ Mrs. S. Chaitanya, V. Narsimhulu, “Enhancement of Power quality with fuzzy control of PMSG based DG set feeding three phase loads”, International Journal of Science, Engineering and Technology Research,2017-18, ISSN 2319-8885 Vol.06, Issue.29 September-2017, Pages:5781-5786. ➤ Mrs. S. Chaitanya, K. Satish Kumar, G. shivaji “A new PV based compact power electronic converter for Integration of Electric Vehicle and Grid”; IJEEE; 2014-2015; ISSN 2319-8885. ➤ Mrs. S. Chaitanya,M. Vijay Kumar, K. Ramesh “A Novel three phase PV/wind based multi-level inverter for grid connected system”; IJEEE; 2014-2015; ISSN 2319-8885. ➤ Mrs. S. Chaitanya, Mrs.M. Soujanya, and Ms.Keerthi Reddy 	PSO1

			<p>“Analysis and control of M3C based IUPQC to provide additional grid voltage regulation” IJSETR; Volume5, Issue No.27; 2016-2017; ISSN 2319–8885.</p> <ul style="list-style-type: none"> ➤ Mrs. S. Chaitanya, Hussain shaik, “Speed Estimation Error Of Sensorless Induction Motor Drives Using Soft Computing Technique” IJARET; Volume 4, Issue 3, April 2013, pp. 13-19; ISSN 0976 – 6499. ➤ Mrs. S. Chaitanya, V. Vijayalakshmi, A. Sandeep Reddy, Fuzzy Logic Based Mppt For Wind Energy System with Power Factor Correction, ISSN 2319-8885, IJEEE, 2015. 	
18	Mr.P.Naga Muneendra	Power Electronics & Drives	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Mr. P. Nagamuneendra, Mr. M. Vijay Kumar and Mr. D. Thirumal Rao; “AC and DC side start up processes scheme for closed loop pre charge control of modular multilevel converters” IJPRES; Volume7, Issue No.03; 2016-2017. ➤ Mr. P. Nagamuneendra, Mr.G. Vijaya Kumari, Mrs.G. Sudha Rani, “Power quality improvement and control of ripple eliminators of DC Systems and reduce the usage of Electrolytic capacitors using ANN” International Journal of Science, Engineering and Technology Research, ISSN 2319-8885 Vol.06, Issue.29 September-2017, Pages:5631-5638. ➤ Mr. P. Nagamuneendra, Mr.K. Pradeep, Mrs.P. Vaishnavi Devi, A Family of True Zero Voltage Zero Current Switching (Zvzcs) Non-Isolated Bidirectional Dc-Dc Converter with Wide Soft Switching Range Using Artificial Neural Network (Ann) International Journal of Research, Vol 7 September 2018, Issn 2236-6124. 	PSO1
19	Mr. Ch.Vikram	High Voltage Engineering	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Mr.Ch. Vikram, “Space Vector Modulation Based Three Phase 	

			<p>PWM Rectifier Voltage Oriented Control”, JETIR Journal, Volume 7, Issue 2, February 2020.</p> <ul style="list-style-type: none"> ➤ Mr.Ch. Vikram “A PFC Zeta Converter Controlled Intelligent Water Pumping System with Solar Panel Integration”, IJMTE Journal, Volume IX, Issue IX, September 2019. ➤ Mr.Ch. Vikram “Integration of Maximum Power Point Tracking of PV Arrays under PSC for Wind Energy System”, IJSETR Journal, Volume 06, Issue 31, October 2017. ➤ Mr.Ch. Vikram “Improving Power Quality of Grid Connected Renewable Energy System by Using Variable Structure Control FACTS Devices”, IJESC Journal, Volume 06, Issue 08, August 2016. ➤ Mr.Ch. Vikram “Performance Analysis of Seven Level iUPQC for Voltage Regulation”, IJSETR Journal, Volume 05, Issue 20, August 2016. 	PSO1
20	Mrs. P. Vaishnavi Devi	Power Electronics & Drives	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ P. Vaishnavi Devi, D. Godwin Immanuel, “DC-DC converter in electric vehicles using smart technology to reduce overall ripple current”, Materials todays proceedings, ISSN: 2214-7853, 2020, January ➤ Mrs. P. Vaishnavi Devi, K. Pradeep, A family of true zero Voltage zero current switching (ZVZCS) non-isolated bidirectional DC-DC converter with soft switching range using artificial neural network (ANN), International Journal of research, UGC, VOL-7, Issue - IX, Sep 2018,1316-1323, ISSN:2236-6124 ➤ Mrs. P.Vaishnavi Devi,Ms.K. Sravya,In a distribution system using advanced control technique to suppress the harmonic resonance with resonant current control, International Journal of Science, Engineering & Technology Research, UGC, VOL-6, Issue - 3 ,Oct 2017, 6051-6058, ISSN: 2319-8885. 	PSO1
21	Mr. K. Rajeev	Power Systems & High	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Mr. K Rajeev, K Sai Santhosh, voltage Droop controller-based 	PSO1

		Voltage	<p>Hybrid MMC Bipolar HVDC with SVPWM, International Journal of Management, Technology & Engineering (IJMTE), VOL- IX, Issue - VI, June 2019, page no: 3617 – 3624, ISSN:2249-7455</p> <p>➤ Mr. K. Rajeev, Dr. S. Siva Prasad, Ms. A.B Bhavana Reddy, BLDC motor drive system using modified pulse width modulation technique using z-source inverter control scheme, International Journal of Engineering & Science, VOL- 5, Issue-3, April-2017, VOL- 5, Issue-3, April-2017, page no: 417-426, ISSN: 2348-7550</p>	
22	Mr.S. Suresh	Electrical Power Systems	<p style="text-align: center;"><u>Mapping PSO1</u></p> <p>➤ S. Suresh, A. Srilatha, K. Satish kumar, “Control Strategy of Three-Level Dc / Dc Converter for Fast Charging of Lithium-Ion Battery for Electric Vehicles”, International Research Journal of Modernization in Engineering Technology and Science, Vol 3, e-ISSN: 2582-5208 Issue:05</p> <p>➤ S. Suresh, S. Chaitanya, “Power Factor Correction Method Using PFC BOOST Converter for Non-Linear Loads”, International Journal of Creative Research Thoughts – IJCRT, 2320- 2882, Volume9, Issue 6 J, June, 2021.</p> <p>➤ Mr.S. Suresh, P. Hemanthkumar, Ch.Shavankumar reddy, Variable Structure Control Based Hybrid Active Filter For Harmonic Resonance Suppression In Industrial Distribution Systems, ISSN NO:2236-6124, IJR, Volume VIII, Issue V, 1262-1271, May 2019</p> <p>➤ Mr.S. Suresh, MrsK. Swapna, An Enhancement of Damping Power system Oscillation using Static Synchronous Series Compensator (SSSC), International conference on communication and advanced / ISSN: 1076-5131, JASC, Volume VI, Issue II, 531-537, February/2019</p> <p>➤ Mr. S. Suresh, K. Haritha, A.B. Bhavana Reddy, A Parallel Active Filter in Wind Energy Conversion Systems (WECS) With DFIG for Grid Current Unbalance, International conference on communication and advanced / ISSN: 1076-5131, JASC, Volume VI, Issue II, 512-</p>	PSO1

			<p>520, February/2019</p> <ul style="list-style-type: none"> ➤ Mr. S. Suresh A.B. Bhavana Reddy, K. Haritha , An improved of IUPQC to Provide Additional Grid-Voltage Regulation by using Modular Multi-level Matrix converter (M3C), International conference on communication and advanced / ISSN: 1076-5131, JASC, Volume VI, Issue II, 512-520, February/2019 ➤ Mr. S. Suresh Dr. S. Siva Prasad, Mr. A. Praveen Kumar, “An innovative compensation negative sequence for power quality issues in traction system” IJATES; 2016-2017 ➤ Mr. S. Suresh, Dr. S. Siva Prasad, Mr. A. PraveenKumar, “DVR based voltage sag compensation using novel particle swarm optimization technique” IJATES; 2016-2017 ➤ Mr. S. Suresh, Dr. S. Siva Prasad, Mr. Mr. A. Praveen Kumar, Mrs. Deepa Nirankari “Fuzzy logic based novel pitch control for stability improvement in DFIG based wind energy systems” IJATES; 2016-2017 ➤ Mr. S. Suresh, Mrs. K. Swapna, “Design and Implementation of a Three Phase Multilevel Inverter through Battery Balancing Algorithm”, International Journal of Electronics, Electrical and Computational System, ISSN 2348-117X, Volume 6, Issue 12, December 2017 ➤ Mr. S. Suresh, Mrs. G. Prasanna, Mrs. K. Haritha, “Novel Harmonics Elimination Technique Applied for Three -Phase Industrial Applications”, International Journal of Electronics, Electrical and Computational System”, ISSN 2348-117X, Volume 6, Issue 12, December 2017 ➤ Mr. S. Suresh, Mrs. K. Haritha, Mrs. G. Prasanna, “STATCOM Based Development of Power Quality of Grid Connected Wind Energy System”, International Journal of Electronics, Electrical and Computational System”, ISSN 2348-117X, Volume 6, Issue 12, December 2017. 	
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23	Mrs. K. Haritha	Power Electronics & Drives	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Mrs. K. Haritha, L. Raju Presented a Paper in International Conference on Innovations and Research in Marine Electrical & Electronics Engineering (ICIRMEEE-2021), titled “ Converging offshore Wind Energy difficulties” on June 17th & 18th 2021. ➤ Mrs. K. Haritha, A.B Bhavana Reddy Presented a Paper titled “A Parallel Active Filter in Wind Energy Conversion Systems (WECS) With DFIG for Grid Current Unbalance”, International conference on communication and advanced computing – 2018, JASC, DEC-2018, ISSN: 1076-5131. ➤ Mrs. K. Haritha, A.B Bhavana Reddy Presented a Paper titled “An improved of IUPQC to Provide Additional Grid-Voltage Regulation by using Modular Multi-level Matrix converter (M3C)”, International conference on communication and advanced computing – 2018, JASC, DEC-2018, ISSN: 1076-5131. ➤ Mrs. K. Haritha, G. Prasanna, A.B Bhavana Reddy Presented a Paper titled “To Enhanced Stability of Transmission System through Distributed MMC Based Compensator”, International Journal of Electronics, Electrical and Computational System, Issue 12, December 2017, ISSN 2348-117X, Volume 6. ➤ Mrs. K. Haritha, G. Prasanna Presented a Paper titled “Novel Harmonics Elimination Technique Applied for Three -Phase Industrial Applications, International Journal of Electronics, Electrical and Computational System, Issue 12, December 2017, ISSN 2348-117X, Volume 6. ➤ Mrs. K. Haritha, G. Prasanna, S. Suresh Presented a Paper titled “STATCOM Based Development of Power Quality of Grid Connected Wind Energy System”, National conference, NCESTFOSS-2017, DEC-2017. ➤ Mrs. K. Haritha, A.B Bhavana Reddy Presented a Paper titled “PV Cell Fed 3-Level Full-MOSFET Inverter Using MMPT Technique”, 	PSO1
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			NCESTFOSS-2017, DEC-2017.	
24	Mr. B. Rajesh	Power Electronics & Drives	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Mr. B. Rajesh, Md. Qutbuddin “Implementation of State Estimation Technique for a sensor less PMSM Drive” IUP Journal of Electrical & Electronics Engineering 9(2), 2016. ➤ Mr. B. Rajesh, M. Sai Krishna, “Power quality enhancement by voltage regulation in distribution grids” International journal of research, Volume 7, Issue IX, 755-764, Sept. 2018. <p style="text-align: center;"><u>Mapping PSO2</u></p> <ul style="list-style-type: none"> ➤ Mr. B. Rajesh, D. Lasya, “Renewable Energy system and Fuel cell powered Uninterruptable Power supply with reduced ripple content by employing Fuzzy Controller” International Journal of Management, Technology and Engineering (IJMTE), ISSN NO: 2249-7455 PP. No: 3719 – 3725, Volume IX, Issue VI, June, 2019. ➤ Mr. B. Rajesh, K. TejaSree, “Analysis of Single-Phase Transformer Less Inverter for Hybrid Renewable Energy Sources” Journal of Critical Reviews, Volume 7, Issue 4, Pp 3975-3987, 2020. ➤ Mr. B. Rajesh, Dr. A. Srujana “Role of Power Electronic Converters in Energy Management in Battery Electric Vehicles and Plug in Hybrid Electric Vehicles” fifth Annual Technical Volume of Electrical Engineering Division on the theme "Power Electronic Interfaces for Effective Energy Conversion and Management" The Institution of Engineers (India), Pp144-149,2020. 	PSO1, PSO2
25	Mrs. A. Srilatha	Power Electronics & Drives	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ Mrs. A. Srilatha, A. Mohandas, K. Satishkumar A Diode Clamped Potential Balancing Method For Z-Source Diode Clamped Inverters by Using Shoot-Through Offset, International Journal of Research Publication and Reviews, Vol.3, ISSN 2582-7421, Issue 7,2021 ➤ Mrs. A. Srilatha, S. Suresh, K. Satishkumar Control Strategy of Three-Level Dc / Dc Converter for Fast Charging of Lithium-Ion 	PSO1

			<p>Battery for Electric Vehicles, International Research Journal of Modernization in Engineering Technology and Science, Vol 3, e-ISSN: 2582-5208 Issue:05</p> <ul style="list-style-type: none"> ➤ Mrs. A. Srilatha, Dr. A. Pandian, Dr. Srinivasa Varma Harmonic Reduction Technique of 48 Pulse Converter with Pi Controller for electric vehicle fast charger, International Journal of Innovative Science and Research Technology, Vol.5, ISSN No: -2456-2165, Issue 9,2020 ➤ Mrs. A. Srilatha, Dr. A. Pandian, Dr. Srinivasa Varma Review of Different Methods and Topologies for Fast Charging of Electric Vehicles, International Journal of Research and Innovation in Applied Science (IJRIAS), Vol.5, ISSN 2454-6194,2020 ➤ Mrs. A. Srilatha, Dr. A. Srujana, Electric Vehicle Battery Modelling and Simulation Using MATLAB-Simulink, Turkish Journal of Computer and Mathematics Education, Vol.12,2021 ➤ Mrs. A. Srilatha, “MPPT Based DC-DC Converter with ZVS &ZCS Technique “which was reviewed by International Journal of Engineering Trends & Technology\ISSN: 2231- 5381, Vol. 43, Issue 7, JAN 2017. 	
26	Mr. A. Mohandas	Power Electronics & Drives	<p style="text-align: center;"><u>Mapping PSO1</u></p> <ul style="list-style-type: none"> ➤ A. Mohandas, Mrs. A. Srilatha, K. Satishkumar A Diode Clamped Potential Balancing Method For Z-Source Diode Clamped Inverters by Using Shoot-Through Offset, International Journal of Research Publication and Reviews, Vol.3, ISSN 2582-7421, Issue 7,2021 ➤ Mr. A. Mohandas, Penti Karthik, “A PV System with Transistor clamped H-bridge based Cascaded multilevel inverter –MPPT Implementation” International Journal &Magazine of Engineering, Technology, Management and Research (IJMETMR) Vol. 2 Issue 11, ISSN No: 2348-4845,November – 2015 ➤ Mr. A. Mohandas, D. Suresh “Fault analysis in multilevel converter STATCOM with different modulation techniques”, International 	

			<p>Journal of Electrical & Electronics Engineers (IJEEE), Vol. 7 Issue 02, ISSN: 2321-2055, July- December 2015.</p> <ul style="list-style-type: none"> ➤ Mr. A. Mohandas, J.Swetha, “An Improved Boost AC/DC Converter with PLL control strategy used for hybrid electric vehicles application”, International Journal of Computer Science Information and Engg. Volume No:2 Issue No:4 ISSN No:2277-4408 ➤ Mr. A. Mohandas, R.Lavanya, “Space vector PWM based Voltage Balancing Ability with natural capacitor in four level Hybrid clamped converter” International Journal of Innovative Technologies, Vol. No:3, Issue No:11, ISSN 2321-8665, December 2015. ➤ Mr. A. Mohandas, G.Revan Sidda, Mohammed Mustafa, “PV and Wind Energy Hybrid Integrated Full-Bridge DC-DC Converter for a Residential Application” IJETT, Volume No:15, ISSN 2231-5381, Number 3-Sep 2014. ➤ Mr. A. Mohandas, B.Chandana, K.Varalakshmi, “Implementation of SVPWM in multilevel Cascaded H-bridge STATCOM with switch fault analysis”, IJSETR, Volume No:4, Issue No:51, ISSN 2319-8885, December 2015. 	PSO1
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Faculty Competencies in correlation to Book Chapters:

S.No.	Name of the faculty	Competency	Book Chapter with respect to Specialization Give details of Publishers	PSO Compliance
1	Dr. C.N. Ravi	Electrical power systems	Ravi, C. N., et al. "Solving combined economic and emission dispatch problem using hybrid RGA-DE algorithm." International Conference on Intelligent Computing and Communication. Springer, Singapore, 2019.	PSO1, PSO2

5.5.2 Faculty Competencies in correlation to Course Development:

The following Faculty members have involved in the course content development.

S. No	Name of the faculty	Course Developments	PSO Compliance	Course Web Link
1.	Dr. A. Srujana	Power System Operation & Control: Load Frequency Control.	PSO1	http://172.18.0.131:8000/jspui
2.	Dr. M. Dileep Krishna	Introduction To DSP controller	PSO2	
3.	Mr. D. Srinivas	Power Systems I: Voltage Control Methods	PSO1	
4.	Mrs. V. Vijayalaxmi	Control Systems: Introduction, Types of Control Systems, Types of Controllers	PSO1	
5.	Mr. T. Parameshwar	Reactive Power Control Method	PSO1	
6.	Mrs. S. Chaitanya	HVDC: Control Strategies	PSO1	
7.	Mr. P. Naga Muneendra	Electrical Machines: Speed Control of Electrical Motors	PSO1	
8.	Mr. Vikram Chandha	Electrical Energy Storage System: Roles of Electrical Energy Storage	PSO1	
9.	Mr. L. Raju	Augmented Reality	PSO2	
10.	Mr. B. Sudhakar Reddy	IOT: Applications of IOT in Electrical Engineering	PSO2	
11.	Mrs. K. Haritha	Instrumentation Control: Controlling Methods.	PSO1	
12.	Mr. B. Rajesh	Power Electronics: Different Control Strategies For Converters, Basic Simulation Tools	PSO1, PSO2	
13.	Mrs. A. Srilatha	Electrical Vehicles: Electric Motors for EVs, FACTS: Inverter Topologies.	PSO1	
14.	Mr. A. Mohandas	PE & Drives: Speed Control of AC&DC Motor by Using Converters	PSO1	

5.5.3 Other relevant points:

5.5.3 (a) Faculty Competencies in correlation to Patents:

Sl. No.	Name of the Authors	Patent details		
		Title of the Patent	Application No	Date of Application/ Publication
1	Dr. A. Srujana	Design Implementation and simulation of pre-paid, post-paid digital electric meter, theft monitoring system with SMS, voice alert	202041044434	30/10/2020
2	Dr. C.N. Ravi	AOVL-Voltage Load Protection: Automatic Over Voltage Under Voltage Load Protection and Distribution	202041045339	30/10/2020
3	Dr. A.Srujana, Kumari Swati, Ravi, C. N, B. Sudhakar Reddy, Rajesh, B.; M. Vijay Kumar	IFAC-Driver Less Vehicle: Driver Less Intelligent Fully Autonomous Controlled Vehicle.	2020103519	18/01/2020

5.5.3 (b) Faculty Competencies in correlation to Interaction with Outside World:

S.No.	Name of the Faculty	Nature of Activity	Name of Journal/Event	PSO Compliance
1	Dr.A.Srujana	Session chair	International conference on modern research and computations in electrical technology	PSO1&PSO2

		Paper setting	Power electronics at GNIT Campus	
2	Dr. C .N. Ravi	Resource person	Two days workshop on “Artificial Intelligence application to Engineering using MATLAB”	PSO1&PSO2
		Resource person	Awareness and services provisions for persons with multiple disabilities for requiring early rehabilitation in Tamil Nadu	
		Resource person	Online Seminar Series on "Recent Trends in Electrical Engineering", held during 22-26, June 2020 organized by Department of EEE in association with IEI Students Chapter at PSG Institute of Technology and Applied Research, Coimbatore.	
		Session chair	International conference on intelligent computing and communication	
		Reviewer	Artificial intelligence in medicine	
		Resource person	Two day faculty development program on importance uses of matlab tool boxes in communications and signal processing applications	
		Reviewer	Indouniversal collaboration for engineering education	
		Reviewer	Transactions on industrial electronics	
		Reviewer	International journal of speech technology	

		Reviewer	Journal of medical imaging and health informatics	
3	Dr. D Bala Gangi Reddy	BOS Member	Anurag Engineering College, Ananthagiri (V&M), Kodad.	PSO1&PSO2
		Subject Experts	Two Day National Conference on Emerging Trends in Electrical & Electronics Engineering	
		Lectures Delivered	National Conference on Emerging Trends in Electrical & Electronics Engineering on Mar.	
		Reviewer	Intelligent computing and smart communication technologies	
		Project external evaluation	Chaitanya bharathi institute of technology	
		BOS Member	Lords institute of engineering technology	
4	A.Srilatha	Reviewer Lectures Delivered	International Transactions on Electrical Energy Systems	PSO1&PSO2
			Journal of power & energy engineering	
			Electric power components & systems	
			Materials today proceedings	
			Virtual conference on Affordable & Clean energy & climate action	
5	A.Mohandas	Paper setter	Basic electrical engineering at VBIT	PSO1&PSO2

		Paper setter	FACTS& Custom power devices at VBIT	
6	P.Naga Muneendra	External Lab examiner	Basic electrical engineering at GNITS	PSO1&PSO2
		Digital evaluation	Power semiconductor drives at CMRCET	
		Paper setter	Electrical measurements and instrumentation at CMRCET	
7	T.Parameshwar	External lab examiner	ES-II Lab at J.B. Institute of engineering and technology	PSO1&PSO2

5.5.3 (c) Faculty Competencies in correlation to Certifications

S. No	Faculty Name	Name of the Course	Certification
1	Mrs. A. Srilatha	Electric Vehicle	NPTEL –Elite and Silver
2.	Mr. B. Sudhakar Reddy	Automatic Control	NPTEL –Elite and Gold
3.	Mr. B. Rajesh	Electric Vehicle	NPTEL –Elite and Silver
		Automatic Control	NPTEL
4	Mr. A. Mohandas	Control Engineering	NPTEL –Elite and Gold
		Advanced Power Electronics And Control	NPTEL –Elite and Silver

		High power multilevel Converters	NPTEL
5	Mr. A. Narashima Rao	Power System Analysis	NPTEL
6	Mrs. V. Vijayalakshmi	Electric Vehicle	NPTEL –Elite and Silver
		Fundamentals of Electric Engineering	NPTEL
7	Mrs. K.Swapna	Electric Vehicle	NPTEL –Elite and Silver
8	Dr. C.N .Ravi	Power System Analysis	NPTEL
		Introduction To Smart Grid	NPTEL
		Outcome based pedagogic principles of for Effective Teaching	NPTEL
9	P.Vaishnavi Devi	Electric Vehicle	NPTEL
10	Dr. Atimamula Srujana	Electric Utilities Fundamentals &Future	Coursera
11	Dr. S. Siva Prasad	Create Informative Presentations with Google Slides	Coursera
		Introduction to Power Electronics	Coursera
12	Dr. D. Bala Gangi Reddy	Create Informative Presentations with Google Slides	Coursera
		Electric Power Systems	Coursera

		Introduction fo Google Docs	Coursera
		Improve Business Performance with Google Forms	Coursera
13	Dr. C. N. Ravi	Create Informative Presentations with Google Slides	Coursera
14	Mr. D. Srinivas	Electric Power Systems	Coursera
15	Ms. V. Vijayalakshmi	Electric Power Systems	Coursera
		Electric Utilities Fundamentals and Future	Coursera
16	Mr. Rajesh Bhaskarla	Spreadsheets for Beginners using Google Sheets	Coursera
		Introduction to the Internet of Things and Embedded Systems	Coursera
		AI For Everyone	Coursera
		Create Informative Presentations with Google Slides	Coursera
		Introduction to Power Electronics	Coursera
		Introduction to Google Docs	Coursera
		Improve Business Performance with Google Forms	Coursera
17	Mr. Parameshwar. T	Motors and Motor Control Circuits	Coursera
		AI For Everyone	Coursera

		Create Informative Presentations with Google Slides	Coursera
		Safety in the Utility Industry	Coursera
		Energy: The Enterprise	Coursera
		Electric Power Systems	Coursera
		Electric Utilities Fundamentals and Future	Coursera
		Natural Gas	Coursera
18	Mr. A. Narasimha Rao	AI For Everyone	Coursera
19	Mr. P. Nageswara Rao	Electric Power Systems	Coursera
20	Ms. S. Chaitanya	Safety in the Utility Industry	Coursera
		Energy: The Enterprise	Coursera
		Electric Power Systems	Coursera
		Natural Gas	Coursera
21	Mr. S Suresh	Photovoltaic solar energy	Coursera
		Introduction to battery-management systems	Coursera
		Electric Power Systems	Coursera

		Create Informative Presentations with Google Slides	Coursera
		Electric Utilities Fundamentals and Future	Coursera
		Introduction to the Internet of Things and Embedded Systems	Coursera
		Self Awareness and the Effective Leader	Coursera
		AI For Everyone	Coursera
		Create Informative Presentations with Google Slides	Coursera
		Electric Power Systems	Coursera
22	Mrs. A. Srilatha	Motors and Motor Control Circuits	Coursera
		Electric Industry Operations and Markets	Coursera
		Meditation: A way to achieve your goals in your life	Coursera
		Learning How to Learn: Powerful mental tools to help you master tough subjects	Coursera
		The Power of Markets I: The Basics of Supply and Demand and Consumer Behavior	Coursera
23	Ms. Swapna. K	Meditation: A way to achieve your goals in your life	Coursera
		Create Informative Presentations with Google Slides	Coursera
		Safety in the Utility Industry	Coursera

		Energy: The Enterprise	Coursera
		Electric Power Systems	Coursera
		Electric Utilities Fundamentals and Future	Coursera
		Predict Future Product Prices Using Facebook Prophet	Coursera
		Natural Gas	Coursera
24	Mr. Hussain Shaik	AI For Everyone	Coursera
		Create Informative Presentations with Google Slides	Coursera
		Electric Power Systems	Coursera
		Natural Gas	Coursera
25	Mr. P. Naga muneendra	Electric Power Systems	Coursera
26	Mr. Ch Vikram	Motors and Motor Control Circuits	Coursera
		Solar energy basics	Coursera
		AI For Everyone	Coursera
		Create Informative Presentations with Google Slides	Coursera
		Safety in the Utility Industry	Coursera

		Energy: The Enterprise	Coursera
		Electric Power Systems	Coursera
		Electric Utilities Fundamentals and Future	Coursera
		Natural Gas	Coursera
27	Ms. P. Vaishnavi devi	Safety in the Utility Industry	Coursera
		Electric Power Systems	Coursera
28	Ms. A. B. Bhavana Reddy	Electric Power Systems	Coursera
29	Ms. K Haritha	Motors and Motor Control Circuits	Coursera
		Create Informative Presentations with Google Slides	Coursera
		Photovoltaic solar energy	Coursera
		Introduction to Power Electronics	Coursera
		Electrical power systems	Coursera
30	Mr. A. Mohandas	Programming for Everybody (Getting Started with Python)	Coursera
		AI For Everyone	Coursera
		Introduction to Power Electronics	Coursera
		Renewable Energy and Green Building Entrepreneurship	Coursera

	Electric Power System	Coursera
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5.5.3 (d) Faculty Competencies in correlation to Events attended : (FDP, Workshop, STTP, Webinar and Seminars):

S. No	Name of the faculty	Name of the Events	PSO Compliance
1	Dr. A. Srujana	<ul style="list-style-type: none"> Recent Advances in EV Technologies Participated at MEC, Hyd from 17th-22nd May 2021. LabVIEW for Measurement and Data Analysis, Participated at MREC, Hyd, from 02nd-7th December 2019. Research Opportunities in Power Engineering, Participated at CMRCET, Hyd, from 22nd-27th April 2020. 	PSO1, PSO2
2	Dr. S. Siva Prasad	<ul style="list-style-type: none"> Indian Electricity Rule and Code of Practices Participated at NITTTR, Kolkata, from 26th-30th November 2018. 	PSO1
3	Dr. D Bala Gangi Reddy	<ul style="list-style-type: none"> Recent Trends in Electrical Engineering, Participated at VIT, Bhimavaram, from 8th-12th June 2020. Microgrids & Battery Energy Storage Systems, Participated at GCET, Hyd, from 6th-11th May 2019. Data Science Application to Power & Energy Management, Participated at, AGI, Hyd, from 17th -21st December 2018. 	PSO1, PSO2
4	Dr. C. N. Ravi	<ul style="list-style-type: none"> Digital Microgrids & Battery Energy Storage Systems Energy Network: IOT Applications in Smart Grid Systems, Participated at JISCE, from 16th-21st June 2021. Recent Trends in Industrial Engineering Strategies, Participated at Sathyabama (Deemed to be University), from 26th April-1st May 2021. Soft Computing Techniques –Renewable and Electrical Systems, Participated at JNTUH, from 1st-6th June 2020. Power System Analysis, Participated at NPTEL-AICTE, from July-Oct 2019. Comprehensive e-Learning to e-Training guide for Administrative Work Participated at TLC, RC, University of Delhi, from 25th May-05th June 2020. 	PSO1, PSO2

		<ul style="list-style-type: none"> Indian Electricity Rule and Code of Practices, Participated at NITTTR, Kolkata, from 26th-30th November 2018. 	
5	Dr. Surender Reddy	<ul style="list-style-type: none"> Pedagogical Skills for Faculty in Outcome Based Education, Participated at MEC, Hyd, from 23rd-25th August 2018. 	PSO1, PSO2
6	Dr. G. Madhusudhana Rao	<ul style="list-style-type: none"> Indian Electricity Rule and Code of Practices, Participated at NITTTR, Kolkata, from 26th-30th November 2018. 	PSO1, PSO2
7	Mr. K. Satish Kumar	<ul style="list-style-type: none"> Electric Vehicle Technology: Challenges and Business Opportunity National Small Industries Corporation, Participated at ATAL FDP, from 21st-25st June 2021. Hands on Training in Artificial Intelligence and Optimization technique applications for additional lab experiments, and mini, major projects for B. Tech Students (Phase-II) , Participated at VJIT, Hyd, from 7th-12th December 2020. Recent Trends in Electrical Engineering, Participated at VIT, Bhimavaram, from 8th-12th June 2020. 	PSO1, PSO2
8	Mr. A. Narasimha rao	<ul style="list-style-type: none"> Power System Analysis, Participated at NPTEL-AICTE, from July-Oct 2019. 	PSO1
9	Mr. D. Srinivas	<ul style="list-style-type: none"> Research Opportunities in Power Engineering, Participated at CMRCET, Hyd, from 22th-27th April 2020. 	PSO1
10	Mrs. V. Vijayalaxmi	<ul style="list-style-type: none"> Post Covid Challenges in Teaching Learning, Participated at SIRT, Bhopal, from 14th-19th Sept 2020. Internet of Things, Participated at SSIT, ATAL FDP, from 7th-11th Sept 2020. Renewable Energy Development in Deregulated Power Market: Future scenario, Participated at JITS, Warangal from 7th-12th September 2020. Recent Trends of Power Electronics and Control, Participated at NREC, Hyd from 21st-25th May 2020. Research opportunities in Power Engineering, Participated at CMRCET, Hyd, 22nd-27th April 2020. Pedagogical Perspectives of Swayam-MOOCs, Participated at JNTU, Hyderabad, from 15th-16th May 2019. 	PSO1, PSO2

11	Mr. T. Parameshwar	<ul style="list-style-type: none"> • Research Innovations and Emerging Advances in Electrical Engineering, Participated at EEC, Chennai, from 14th-19th June 2021. • Recent developments and Entrepreneurship in Sustainable Green Energy Technologies and Smart Grids, Participated at BVRIT, Medak, from 17th - 22nd August 2020. • Automotive Technology for a Sustainable Future, Participated at GRIET, Hyd, from 5th-10th October 2020. • Electric Vehicles, Participated at AITM, ATAL FDP from 16th-20th November 2020. • Industrial Relevance of Electrical Engineering, Participated at BVRIT, Hyd, from 15th-20th June 2020. • Research Challenges and Opportunities Post Covid-19, Participated at SVEC, West Godavari, from 4th-9th May 2020. • Artificial Intelligence, Machine learning, IOT and Big data Applications in power Electronics and its Allied Areas, Participated at GRIET, Hyd, from 1st-6th June 2020. • Application of AI Techniques in Electrical Engineering, Participated at OU, Hyd, from 18th-23rd November 2019. 	PSO1, PSO2
12	Mr. Dheeraj.K	<ul style="list-style-type: none"> • Data Science Application to Power &Energy Management, Participated at AGI, Hyd, from 17th -21st December. 	PSO2
13	Mr. Hussain shaik	<ul style="list-style-type: none"> • Recent Advances in EV Technologies, Participated at MEC, Hyd, from 14th-19th June 2021. • AI Application in Power Electronic Systems, Participated at MJCET, Hyd, from 20th-25th January 2020. • Control Systems Design-From Beginner to an Expert-1.0, Participated at GMRIT, Rajam, from 25th-30th May 2020. • Pedagogical Perspectives of Swayam-MOOCs, Participated at JNTU, Hyderabad, from 15th-16th May 2019. 	PSO1, PSO2
14	Mr. M. Vijaykumar	<ul style="list-style-type: none"> • Application of AI Techniques in Electrical Engineering, Participated at OU, Hyd, from 18th-23rd November 2019. 	PSO2
15	Mrs. K. Swapna	<ul style="list-style-type: none"> • Outcome based Pedagogical Initiatives for Effective Teaching and 	PSO1, PSO2

		<p>Learning, Participated at MEC, Hyd, from 17th-22nd May 2021.</p> <ul style="list-style-type: none"> Emerging power conversion techniques for renewable energy and electric vehicle applications, Participated at PMC Tech, Hosur, from 27th-29th May 2021. Art of writing Papers and Research Methodologies, Participated at GRIET, Hyd, from 7th-13th May 2020. Integration of Green Energy with Smart Power Systems, Participated at Sathyabama IST (Deemed to be University), from 22nd-27th June 2020. 	
16	Mrs. S. Chaitanya	<ul style="list-style-type: none"> Recent developments and Entrepreneurship in Sustainable Green Energy Technologies and Smart Grids, Participated at BVRIT, Medak, from 21st - 26th September 2020. Emerging Technological Challenges in Electric Vehicle, Participated at AEC, ATAL FDP, from 7th-11th June 2021. Software Tools for Electric Power System analysis, Participated at JBIET, Hyd, from 26th-30th April 2021. Emerging Trends in Power and Energy: A Research Perspective, Participated at JBIET, Hyd, from 7th-13th August 2019. Recent Trends in Electrical Engineering, Participated at VIT, Bhimavaram, from 8th-12th June 2020. 	PSO1, PSO2
17	Mr. L. Raju	<ul style="list-style-type: none"> Role of materials in electric vehicles PDA College of Engineering, Participated at ATAL FDP, from 27th-29th May 2021. Wireless Communication Technologies, Participated at ABVIIIITM, ATAL FDP, from 21st-25st June 2021. Emerging Technologies in Electric Vehicles, Participated at BEC, Bapatla, from 2nd-14th August 2021. Research Challenges in Electrical Engineering, Participated at RCE, Eluru, from 18th-23rd May 2020. Overview of AI & its application in Speech Processing, Participated at CEC, Chebrolu, from 1st-5th June 2020. Data Science Application to Power & Energy Management, Participated at AGI, Hyd, from 17th -21st December 2019. 	PSO1, PSO2

18	Mr. P. Naga Muneendra	<ul style="list-style-type: none"> • Emerging Technological Challenges in Electric Vehicle, Participated at AEC, ATAL FDP, from 7th-11th June 2021. • Research Innovations and Emerging Advances in Electrical Engineering, Participated at EEC, Chennai, from 14th-19th June 2021. • Modern Control Techniques in Power Systems & Electric Drives, Participated at GNITS, Hyd, from 17th-22nd October 2019. • Emerging Trends in Power and Energy: A Research Perspective, Participated at JBIET, Hyd, from 7th-13th August 2019. 	PSO1, PSO2
19	Mr. Ch. Vikram	<ul style="list-style-type: none"> • Cutting Edge Technologies in Energy Storage System for E-Mobility KPR Institute of Engineering and Technology, Participated at ATAL FDP, from 14th-18th June 2021. • Electric Vehicle Technology: Challenges and Business Opportunity National Small Industries Corporation, Participated at ATAL FDP, from 21st-25st June 2021. • Modern Control Techniques in Power Systems Electric Drives, Participated at GNITS, Hyd, from 17th-22nd October 2019. • Emerging Trends in Power and Energy: A Research Perspective, Participated at JBIET, Hyd, from 7th-13th August 2019. • Teaching with Technology, Participated at NNRG, Hyd, from 27th May-1st June 2019. • 	PSO1, PSO2
20	Mrs. P. Vaishnavi Devi	<ul style="list-style-type: none"> • Renewable Energy Development in Deregulated Power Market: Future scenario, Participated at JITS, Warangal, from 7th-12th September 2020. • Recent developments and Entrepreneurship in Sustainable Green Energy Technologies and Smart Grids, Participated a GCET, Hyd, from 6th-11th May 2019. • Mitigation of Power Quality Issues in Distributed Generation Systems using Custom Power Devices, Participated a RMDEC, Tiruvallur, from 14th-19th September 2020. • Modern Methods for Teaching-Learning Practices, Participated a KU, Machilipatnam, from 12th-13th May 2020. 	PSO1, PSO2

		<ul style="list-style-type: none"> • Microgrids & Battery Energy Storage Systems, Participated a GCET, Hyd, from 6th-11th May 2019. 	
21	Mr. B. Sudhakar Reddy	<ul style="list-style-type: none"> • Electric Vehicle Technology: Challenges and Business Opportunity National Small Industries Corporation, Participated a ATAL FDP, from 21st-25st June 2021 • Microgrids & Battery Energy Storage Systems, Participated a GCET, Hyd, from 6th-11th May 2019. 	PSO2
22	Mr. K. Rajeev	<ul style="list-style-type: none"> • One-week online Faculty Development program on AICTE MARGDARSHAN FDP on Art of Writing Papers and Research Methodologies 	PSO1
23	Mr.S. Suresh	<ul style="list-style-type: none"> • Recent Advances in EV Technologies, Participated a MEC, Hyd, from 17th-22nd May 2021. • Start-up opportunities in Electrical and Electronics Engineering, Participated a SMEC, Hyd, from 20th-22nd May 2021. • Art of writing Papers and Research Methodologies, Participated a GRIET Hyd, from 7th-13th May 2020. • Research Challenges in Electrical Engineering, Participated a RCE, Eluru, from 18th-23rd May 2020. 	PSO1, PSO2
24	Mrs. K. Haritha	<ul style="list-style-type: none"> • Recent Advances in EV Technologies, Participated a MEC, Hyd, from 17th-22nd May 2021. • Emerging Trends in Power and Energy: A Research Perspective JBIET, Hyd from 7th-13th August 2019. • Challenges in Micro grid Protection, Participated a KL(Deemed to be University), from 6th-7th May 2020. • Pedagogical Skills for Faculty in Outcome Based Education, Participated a MEC, Hyd, from 23rd-25th August 2018. 	PSO1, PSO2
25	Mr. B. Rajesh	<ul style="list-style-type: none"> • Re-Imagining University Education with a Heart Centered Approach, Participated a Heartfulness Education Trust, from 12th -13th Jan 2021. • Hands on Training in Artificial Intelligence and Optimization technique applications for additional lab experiments, and mini, major projects for B.Tech Students(Phase-I), Participated a VJIT, Hyd, from 9th -16th 	PSO1, PSO2

		<p>November 2020.</p> <ul style="list-style-type: none"> • Research Challenges and Opportunities Post Covid-19, Participated at SVEC, West Godavari, from 4th-9th May 2020. • Hands on workshop on Artificial Intelligence and Deep Learning, Participated at BU, Greater Noida from 4th-8th May 2020. • Indian Electricity Rule and Code of Practices, Participated at NITTTR, Kolkata, from 26th-30th November 2018. 	
26	Mrs. A. Srilatha	<ul style="list-style-type: none"> • Multi Technology, Participated at GNITS, Hyd, from 28th June -3rd July 2021. • Recent Advances in EV Technologies, Participated at MEC, Hyd, from 17th-22nd May 2021. • Real Time Hardware in the Loop Simulation for Power Electronics & Power Systems, Participated at REC, Mainpuri, from from 22nd-26th June 2020. • Recent Trends in Electrical Engineering, Participated at VIT, Bhimavaram, from 8th-12th June 2020. • Foundation Program in ICT for Education, Participated at IIT. Bombay, 13th September- from 18th October 2018. • Pedagogy for Online and Blender Teaching -Learning Process, Participated at IIT. Bombay, from 30th October-13th December 2018. 	PSO1, PSO2
27	Mr. A. Mohandas	<ul style="list-style-type: none"> • Recent Advances in EV Technologies, Participated at MEC, Hyd , from 17th-22nd May 2021. • Inculcating Universal Human values in Technical Education, Participated at AICTE, NewDelhi, from 14th-18th June 2021. • Innovative Research Prospects in Communication, Power System and Machine Learning Techniques, Participated at JIT from 17th-21st May 2021. • Effective Teaching and Research Skills, Participated at Vjit, Hyd from 5th-11th November 2020 	PSO1, PSO2
28	Mr. P. Sateesh	<ul style="list-style-type: none"> • Pedagogical Skills for Faculty in Outcome Based Education, Participated at MEC, Hyd, from 23rd-25th August 2018. 	PSO1

29	Mr. A. Praveen Kumar	<ul style="list-style-type: none"> Recent Trends in Electrical Engineering, Participated at VIT, Bhimavaram, from 8th-12th June 2020. 	PSO1, PSO2
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5.5.3 (e) Faculty Competencies in correlation to Events Organized: (FDP, Workshop, STTP, Webinar and Seminars)

S. No	Name of the coordinator/organizers	Description of the Events	PSO Compliance
1	Dr. A. Srujana Dr. C. N. Ravi Dr. D Bala Gangi Reddy	One Week Online Short Term Training Programme (STTP) On Hands on training in Artificial Intelligence and Optimization techniques (Phase-II)	PSO1, PSO2
2	Dr. A. Srujana Dr. C. N. Ravi Dr. D Bala Gangi Reddy	One Week Online Short Term Training Programme (STTP) On Hands on training in Artificial Intelligence and Optimization techniques (Phase-I)	PSO1, PSO2
3	Mr. K. Satish Kumar Mr. K. Rajeev Mr.S. Suresh Mrs. K.Haritha Mr. B. Rajesh Mrs.A.Srilatha Mr. A. Mohandas	Guest Lecture on Smart Grid Automation	PSO2
4	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mrs. K. Swapna Mrs. S. Chaitanya Mr. P. Naga Muneendra Mr.Vikram Chandha Mrs. P. Vaishnavi Devi Mr. K. Satish Kumar Mr. K. Rajeev	Guest Lecture on Modern Control Techniques and Design of Electric Vehicles	PSO1, PSO2

	Mr.S. Suresh Mrs. K.Haritha Mr. B. Rajesh Mrs.A.Srilatha Mr. A. Mohandas		
5	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. B. Rajesh Mr.P.Sateesh	Guest Lecture on Applications of IOT in Electrical Engineering	PSO2
6	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. B. Rajesh Mr. A. Praveen Kumar	Guest Lecture on Digital Transformation in TSGENCO	PSO2
7	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. B. Rajesh	Online Faculty Development Program on Electrical Vehicles	PSO1, PSO2
8	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. B. Rajesh	Workshop on Developing Electrical Safe Work Practices	PSO2

	Mr.P.Sateesh		
9	Dr. C. N. Ravi, Mr. Hussain shaik, Mrs. K. Swapna Mrs. S. Chaitanya Mr. P. Naga Muneendra Mr. Vikram Chandha Mrs. P. Vaishnavi Devi	FDP on Effective Teaching and Research Skills	PSO1
10	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. B. Rajesh	A Two Day FDP on A Renewable Energy Integration and Modern Power System Analysis Using ETAP Software	PSO2
11	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. B. Rajesh	Workshop on Fuzzy Based Random Pulse Width Modulation Technique for Performance Improvement of induction Motor	PSO1, PSO2
12	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. L.Raju	FDP on Recent Trends in Power Electronics & Drives	PSO2
13	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. B. Rajesh	Training programe on Operation and Maintenance of Power System Lab-II	PSO1, PSO2

14	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. L.Raju	FDP on ICT Mode Short Term Training Programme on Indian Electricity Rule and Code of Practices	PSO1, PSO2
15	Dr. D Bala Gangi Reddy Dr. C. N. Ravi Mr. Hussain shaik Mr. M. Vijaykumar Mr. B.Sudhakar Reddy Mr. B. Rajesh	FDP on Recent Advances in Transmission Insulators	PSO2
16	Dr. C. N. Ravi Mr. Hussain shaik Mrs. K. Swapna Mrs. S. Chaitanya Mr. P. Naga Muneendra Mr. Vikram Chandha Mrs. P. Vaishnavi Devi	Training program on Distribution Equipment Cabling	PSO1
17	Dr. C. N. Ravi Mr. Hussain shaik Mrs. K. Haritha Mrs. S. Chaitanya Mr. P. Naga Muneendra Mr. Vikram Chandha Mrs. P. Vaishnavi Devi Mr. A. Praveen Kumar	FDP On Data science applications to Power engineering and Energy management	PSO1

5.6. Innovations by the Faculty in Teaching and Learning (10):

Innovative Teaching Methods

Title of Innovation: Online Crossword

Crossword puzzles stimulate the mind, increase the vocabulary, and help to develop healthy skepticism; therefore, instead of passive memorization of material, crossword puzzles can be beneficial as a self-learning tool to promote active learning and to develop critical thinking.

Aim of the method:

1. To revise and remember the concepts of the module.
2. To inculcate team work and team spirit among the students.
3. To involve students in framing the question so that they learn efficiently.
4. To develop leadership qualities and to coordinate in organizing an event.

Implementation/Portrayal of method:

Among Students: The class of 60 student's strength was divided into 5 batches of 12 students each. A leader in each batch was identified and 1 unit was assigned to each batch. Each batch was given a task of preparing crossword for the whole unit using different online platforms and their batch should host the online crossword to the other batches. The link of the crossword for a module was shared and the rest of batches were asked to finish the crossword and upload to the drive created by the host batch and then the host corrected and awarded the score to each batch. For Eg: A1 team would be the host for the online crossword, while A2, A3, A4, A5 would play the game by answering the questions.

Teacher to Students: This activity consists of set of questions related to the key words in each chapter. The questions can be the meaning, definition of that word etc. with the help of those hints' students are supposed to fill the blank squares provided in a particular pattern.

This activity is conducted before their internal or soon after completion of that particular chapter so as to ensure that the important words or phrases are clearly understood by the students. A feedback form is provided to them for the purpose of evaluating the same.

Benefits of method: The key words can be evoked and recapped whenever required. It also makes the session interesting, brings in fun during learning, which enhances the understanding capability.

It helps to involve students enthusiastically during the sessions. Most of the students strongly agreed that discussing in groups could increase their understanding of the topic better as well the competitive aspect of doing the puzzle contributed to their effectiveness.

Title of Innovation: Project Based Learning

Project Based Learning (PBL) is an instructional methodology encouraging students to learn by applying knowledge and skills through an engaging experience.

Aim of the method: PBL presents opportunities for deeper learning in-context and for the development of important skills.

Description of the method: In this method, a project related the complex topic is given to the group of students. The project has an aim, expected output and the tools / software / hardware need to use.

Benefits of Method: This activity helps the students to remember and deep understanding of the complex topics in electrical and electronics engineering course.

Title of Innovation: Flipped Classroom

In a flipped classroom, the order of events is flipped. Instructional material, videos are delivered to the students before the class and understanding of student is assessed by discussion on the topic in the classroom.

Aim of the method: To make the classroom an active learning environment and enable students to learn at their own pace.

Description of the method: Teacher provides the content to the students in form of digital content, learning materials etc. The students go through the content in a given time frame. The learners are asked to go through a few lecture videos that create the platform for discussion in the next class. The class room is reserved for discussions on the topic and to enhance in-depth understanding of the topic, by the students. Classroom is open for discussions, where the topics are explored further, with students contributing significantly to the discussions. Reviewing in class, digging into material that needs further explanation

Benefits of Method: Students may verify their understanding of the topic with teacher. Students can review lecture materials at their own pace. It also allows students who may have missed class to still view the lecture content.

Title of Innovation: Socio constructivist perspective

Social constructivist perspectives focus on the interdependence of students in the co-construction of knowledge.

Aim of the method: Better understanding of a topic by students.

Description of the method: Teacher plays a video related to a topic and poses questions on the topic and the students answer the same.

Benefits of Method: They will be able to recollect and reproduce the topics as they have visualised the topics.

Title of Innovation: Simulation based teaching and learning

Aim of the method: To improve the depth of understating of critical topics

Description of the method: The teacher explains the concepts on a particular topic to the students. Further a simulation block diagram is developed and it runs in the classroom which depicts the flow of the concepts. Parameters of the block diagram can be changed during runtime and results can be presented. This will avoid the confusion in understanding the concepts as well as lot of time is saved in oral presentation.

Benefits of Method: Time saving, better understanding

Title of Innovation: Augmented Reality

Description of the method: All the students in the class were asked to download edu AR app developed by our student. The significance of the app is students are able to view the internal anatomy of any components of electrical equipment. This has helped the students to visualize and understand how various components of electrical devices are inter connected along with their operating mechanism.

Benefits of Method: Three Dimensional visualization of internal anatomy of an electrical device.

Title of Innovative method/activity: Pictionary

Pictionary is an excellent way for students to display the student's knowledge and also to remember the concepts in the form of picture or block diagrams or circuits. Learning to express the concept and drawing the pictures or block diagram allows the students to synthesize information.

Aim of the method:

To allow students to convey the meaning of the concept through pictures such that logical skills,creativity,retention and cognition is improved

Implementation/Portrayal of method:

This teaching method is inspired from dumb charades guessing game. This activity is done by teams where the students try to identify the picture/ block diagram/ circuit or any concept related with pictures enacted by their teammates and have to draw the picture/ block diagram /circuit correctly on the blackboard in the stipulated time.

Benefits of method: This activity helps the students to remember the block diagrams, circuits and also the concepts with means of pictures and block diagrams.

Title of Innovative method/activity: Think – Pair - Share

Think-Pair-Share is a collaborative learning approach in which students work together to solve a problem or answer a question about an assigned topic.

Aim of the method:

To engage students to think individually about a topic, then in group to answer a question or solve a problem and share ideas with classmates.

Implementation/Portrayal of method:

This method is implemented after developing a set of questions for a topic based on the previous class discussion in the classroom in order to prompt target key content concepts. The following process is done in the class

- Describe the purpose of the strategy and provide guidelines for discussions.
- Model the procedure to ensure that students understand how to use the strategy.
- Monitor and support students as they work through the following:

T: (Think) Students are asked a specific question about the text. Students "think" about what they know or have learned about the topic.

P: (Pair) Students are paired into six groups with ten students in each group.

S: (Share) Students share their thinking with their partners. The discussion is expanded "share" into a whole-class discussion.

Benefits of method: This activity helps the students by triggering interest in the students. This method improves the level of thinking as the students discuss the topic among themselves before they present it.

Title of Innovative method/activity: Never miss a class

Aim of the method: To make the students learn the topics which the student might have missed during the course

Implementation/Portrayal of method:

The teacher prepares a video with the course content which is discussed in the class and will share the same on Institute website or in social media platforms like youtube or whatsapp which is available for all the students to go through the class.

Benefits of method:

The students who could not attend the class may watch the video and attend the next class, which will make the student not to miss any concepts. Even the students who could not understand in the class can watch the video for clarity of the concept.

Title of Innovative method/activity: Flash Card**Aim of the method:**

1. To revise and remember the concepts of the module.
2. To inculcate team work and team spirit among the students.
3. To involve students in framing the question so that they learn efficiently.

Implementation/Portrayal of method:

The students are divided into batches. A leader in each batch is identified and different modules are assigned to each batch. Each batch is given a task of preparing flashcards for the whole module using different online platforms and their batch should host the Flashcard quiz to the other batches. The timer is monitored for a stipulated time and the score for the correct answers is recorded, which are maintained by the host team. For Eg: If A1 team hosts for the flash card game, then A2, A3, A4, A5 play the game by answering the questions.

Benefits of method:

1. Students can revise the module once completed.
2. Students will learn to be work in a team to host an event.
3. Students will learn the topic, since they have to frame questions.

Title of Innovative method/activity: Google it–Report writing

Students are expected to Google the content of the topic available in open source.

He/ She is also expected to go through, understand& explore beyond class room

Student will be reporting the concept understood in writing.

Aim of the method:

1. To maximize the learning experience.
2. To identify and prioritize content
3. To identify gaps in understanding

Implementation/Portrayal of method:

1. Use this opportunity to clear up any misconceptions
2. Student will be in a position to present the report prepared.
3. The report can be used for further reference.

Benefits of method: Many students suggest that using the Google it-report it strategy supported their ability to effectively explore and integrate the topic and create flow and linkage amongst when writing their report.

Title of Innovative method/activity: Mind Map

Mind mapping is a visual exercise to help students organize and structure complex content. It focuses on developing a hierarchy of information to work out key components, their subsets and relationships to each other. Focus on one central word or idea and use branches to depict the importance of ideas. Mind maps can be used for individual or group activities or a mixture of both to help with brainstorming, problem solving and memory

Aim of the method:

4. To maximize the learning experience.
5. To identify and prioritize content
6. To identify gaps in understanding,
7. To unlock creative ideas or generate new ones.

Implementation/Portrayal of method:

4. Pose a challenging concept or idea that you want students to think about and explain to students the key principles of mind mapping
5. Start with the proposed concept or idea in the centre
6. Write down any and all thoughts separately as key words (try to avoid long sentences)
7. Ask students to post or display their mind maps for in-class discussion and feedback.
8. Use this opportunity to clear up any misconceptions and field questions

Benefits of method: Many students suggest that using the mind map strategy supported their ability to effectively explore and integrate the diverse areas of the topic and create flow and linkage amongst ideas when writing their proposal.

Title of Innovative method/activity: Peer to Peer Learning

Peer learning is the process of students learning with and from each other. This is usually facilitated through teaching and learning activities such as student-led workshops, study groups, peer-to-peer learning partnerships, and group work.

Aim of the method:

1. To explain their ideas and by participating in activities in which they can learn from their peers
2. To develop skills in organizing and planning learning activities, working collaboratively with others, giving and receiving feedback and evaluating their own learning
3. To help students learn effectively

Implementation/Portrayal of method:

Students are made as groups and each group is given the common topic. The students are asked to familiarize with the topic and one of the team mates explains the topic to other peers group members promote other's learning by helping, sharing and encouraging efforts to learn.

Benefits of method: Peer learning helps improve motivation and confidence, engages students through cooperative learning, fosters more personalized learning experience, and leads to higher academic achievement and peer learning also helps develop sense of pride and responsibility among peers.

Title of Innovative method/activity: Short presentation

Aim of the method:

1. To prepare a presentation on a given topic
2. To speak on a given topic
3. To adhere to the time limit
4. To memorize the topic by presenting

Implementation/Portrayal of method:

The students are asked to prepare a short presentation on a particular topic so that they can present to their classmates. The students will be giving the feedback on one's presentation such that they can improve their communication and presentation skills.

Benefits of method: This method is more effective and is made more interactive and interesting for students. This helped the students to perform well in end semester examinations

Title of Innovative method/activity: Z to A Approach

This approach attempts to explain the application part of a particular concept first. The teacher should explain the application of a particular concept first and explain the effects of such applications.

Aim of the method:

1. To make a particular concept clear.
2. To develop interest among the students to know exactly the concept.
3. To create long lasting memory of a concept

Implementation/Portrayal of method:

The teacher will explain the applications and its areas in elaborate to the students. The students are expected to conceptualize the topic and present in their own words.

Benefits of method: Students will be able to memorize the concept for long time and reproduce it during their examinations. This was very much useful for lengthy topics.

Innovative Teaching –Learning Methods-2020-2021

S. No	Name of the Faculty	Topic	Course	Innovative methods adopted	Goals	The significance of Result	Available in the Institute Website	Availability for review and critique	Reproducibility and Reusability
1	Dr. A. Srujana	Reactive Power	Power system	Short Presentation	To improve the effective	Improved the presentation skills of student and better	Available on the Institute	Available on the Institute	This method is used by

		Control	Operation & Control		presentation skills of students on classification of loads	analyzing of a topic	Website	Website for Review	UEE Course Faculty
2	Dr. C. N. Ravi	Memory Organization	Microprocessor and Interfacing Devices	Activity based Learning	To make the students understand the concept in an effective way with clarity	The students have written the assignments well with respect to this topic.	Available on the Institute Website	Available on the Institute Website for Review	This methodology is also used by faculty of MPID Lab Course
3	Dr. D Bala Gangi Reddy	Introduction to Power Transmission	Power Systems II	Z to A Approach	Attempt to explain the application of power transmission first and then concept	Created interest among the student in knowing the topic	Available on the Institute Website	Available on the Institute Website for Review	This concept is used by Basic Electrical Engineering Course faculty
4	Mr. D. Srinivas	Electric Heating and Welding	Utilization of Electrical Energy	Quiz by Google form	To know if the student has understood the concepts to the extent required.	The informal assessment of student knowledge is known by this method.	Available on the Institute Website	Available on the Institute Website for Review	This method is used by BEE Course faculty
5	Mrs. V. Vijayalakshmi	Norton's Theorem	Network Analysis	Google it-Report Writing	Inculcate report writing practices in an effective way	The students writing skills have been improved and they have understood in a better way.	Available on the Institute Website	Available on the Institute Website for Review	This method is used by used by Electrical Technology Course faculty

6	Mr. Ch.Vikram	Roles of Electrical Energy Storage systems	Energy Storage Systems	Conceptualized Learning through animated Videos	To improve the self learning capability and analyzation skills of students through animated Videos	Usually implemented in Open Elective Courses because students from different branches must easily understand and remember the concepts of electrical engineering.	Available on the Institute Website	Available on the Institute Website for Review	This method is implemented by Electric vehicles and Hybrid Vehicles course faculty
7	Mr. L. Raju	Basics of Electrical Machines	Electrical Machines	Crossword	To improve problem solving skills, test skills, vocabulary, critical thinking and generate new ideas where students can gain greater retention and memorization.	The keywords can be remembered and recapitulated whenever required especially during examinations	Available on the Institute Website	Available on the Institute Website for Review	This method is used by Mrs.K.Harisha Energy Auditing and Conservation Course
8	Mr. B. Rajesh	Single Phase Controlled Converters, DC-DC Choppers	Power Electronics	Pictionary	To allow students to convey the meaning of the concept through pictures such that logical skills, creativity, retention and cognition is improved	Students have drawn the circuits without any difficulty in the examinations.	Available on the Institute Website	Available on the Institute Website for Review	This method is also used for Power Semiconductor Drives Course
9	Mr.B.Rajesh	Comparison of EVs, IC Engine Vehicles and	Electric Vehicles and Hybrid Vehicles	Think – Pair-Share	To engage students think individually about a topic or answer to a question	Students will think and do brainstorming sessions and share their understanding batches	Available on the Institute Website	Available on the Institute Website for Review	This approach was used by Electrical

		Fuel Cell vehicles			and share ideas with classmates.	wise.			Machines III Course faculty
10	Mr. Hussain shaik	Solar Power	Non Conventional Energy Sources	Activity based learning	To encourage students to actively participate in their own learning experience through practical activities such as problem-solving and independent investigation.	The students have understood the concepts in spite of being from other branches, which is observed from End Exams.	Available on the Institute Website	Available on the Institute Website for Review	This methodology is also used by faculty of MPID Course
11	Mrs. S. Chaitanya	Corona loss and measurement of audible noise.	EHVAC Transmission	Flipped Classroom	To give equal opportunity to students to share their views and ideas and capture their attention & interest.	The students improved their level of understanding as they prepared for explaining the same	Available on the Institute Website	Available on the Institute Website for Review	This method is used by other EHVAC course faculty
12	Mr. B. Sudhakar Reddy	PMMC and MI instruments, AC potentiometer, Controlling torque	Electrical Measurements and Measuring Instruments	Brownbag approach	To create a student-centered approach to learning which will improve the understanding skills of the students	The students have performed well in the laboratory after using this method.	Available on the Institute Website	Available on the Institute Website for Review	The resources are saved in YouTube and created a channel these can be accessed by other faculty also and completely reusable for

									the following years.
13	Mrs. K. Haritha	Basics of Energy Audit	Electrical Energy Auditing and Conservatio	Crossword	To improve problem solving skills, test skills, vocabulary, critical thinking and generate new ideas where students can gain greater retention and memorization.	The keywords can be remembered and recapitulated whenever required especially during examinations	Available on the Institute Website	Available on the Institute Website for Review	This method is use by other faculty who taught the course in the later years.
14	Mr. A. Mohan Das	DC Circuits : Kirchhoff's Laws, Star to Delta and Delta to Star Transformations, Network Theorems,	Principles of Electrical Engineering	Google Classroom	To communicate, collaborate, organize and manage assignments for the students.	The students have performed well in internal and semester End Examinations	Available on the Institute Website	Available on the Institute Website for Review	This approach is adopted by Power Electronics course faculty.

Innovative Teaching –Learning Methods-2019-2020

S. No	Name of the Faculty	Topic	Course	Innovative methods adopted	Goals	The significance of Result	Availability of work on Institute Website	Availability for review and critique	Reproducibility and Reusability
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1	Dr. A. Srujana	Voltage Control	Power Systems Operation and Control	Mind Map	Mind Maps can be used in class to brainstorm and generate discussions, which involves use of notes with keywords and images in classroom teaching.	This will encourage students not only to participate but also to fully understand a topic and its nuances by creating connections between ideas. This makes students remember the topic for a longer time	Available on college website	Available on College Website for Review	This method is implemented by Electrical Machines Course faculty
2	Dr. C. N. Ravi	Load flow solution using Gauss Seidel method	Computer Methods Power Systems	Simulation based teaching and learning	To develop the ability in an individual regarding problem solving behavior so the students understand the operation of the circuit and its wave forms with clarity	The graphical results of simulation give clear understanding of the process involved which will enable them to remember and reproduce.	Available on college website	The video of the class is available on College Website for Review	The same method is implemented for Newton Raphson method used in the succeeding years
3	Dr. D Bala Gangi Reddy	Objectives of Electrical Distribution System Protection	Electrical Distribution System	Never miss a class	To make the students able to learn the topics which the student might have missed	Students will never miss this topic in their course work	Available on college website	The video of the class is available on College Website for Review	This method is used by Electrical Machine II Course faculty

					during the course				
4	Mr. T. Parameshwar	Constructional Details of Single Phase Transformer	Electrical Machines-II	Never miss a class	To make the students learn the concept even if they could not attend the class	The student will not miss this concept of the course	Available on College Website	Available on College Website for Review	This methodology can be used for other regulation methods
5	Mr. P. Nageswara Rao	OR Gate Realization	Switching Theory and Logic Design	Experiential Learning	To kindle interest / enthusiasm by doing the experiment	The students will learn how to implement OR Gate functionality practically	Available on College Website	Available on College Website for Review	This method is used in Integrated Circuits and Applications Course by other faculty
6	Mr. D. Srinivas	Electric Traction Systems	Utilization of Electrical Energy	Short Presentation	To improve the effective presentation skills of students on classification of loads	Improved the presentation skills of student and better analysis of traction systems	Available on the Institute Website	Available on College Website for Review	This method is used by Electrical Distribution System Course faculty
7	Mr. A. Mohandas	Magnetic Forces	Electro Magnetic Fields	Google Classroom	To communicate, collaborate, organize and manage assignments for the students.	The students have performed well in internal and semester End Examinations	Available on the website	Available on College Website for Review	This approach is adopted by Power Electronics course faculty.

8	Mrs.A. Srilatha	Fuse and Circuit Breaker	Basic Electrical Engineering	Socio constructive Approach	To allow multiple interpretations and expressions of learning and make students understand the concept by playing a video and asking questions	The level of understanding of concepts of the students is improved	Available on College Website	Available on College Website for Review	This method is used by Switch Gear and Protection faculty
9	Mr. M. Vijaykumar	DC Machines	Basic Electrical Engineering	Peer to Peer learning	To emphasize peer learning such that Peers and students share a similar discourse, allowing for greater understanding.	The students understood the concepts by teaching others and learning from it with more depth.	Available on website	Available on College Website for Review	It is reused by Renewable Energy Sources course faculty in the next year
10	Mrs. P. Vaishnavi Devi	AC Quantities	Electrical Technology	Google it - Report Writing	Inculcate report writing practices in an effective way	The students writing skills have been improved.	Available on College Website	Available on College Website for Review	This method is used by used by other Electrical technology Course faculty
11	Mr. B. Rajesh	DC-DC Choppers	Power Electronics	Flash card	To inculcate team spirit among the students respond to learning	The level of understanding of technical concepts of the students is improved	Available in the Institute Website	Available on College Website for Review	This methodology is used by other BEE Course faculty

					through visual, tactile means.				
12	Mr. Hussain Shaik	PMMC & MI instruments	Electrical Measuring Instruments and Instrumentation	Demonstration	To induce interest in students by explaining practical examples of a particular concept	It helped students to be active in classroom	Available in the Institute Website	Available on College Website for Review	This method is used by Laboratory Course Faculty
13	Mr. P. Naga Muneendra	Types of transformers	Electrical Machines-II	Brown bag approach	To create a student-centered approach to learning which will improve the understanding skills of the students	The students have performed well in the laboratory after using this method.	Available in the Institute Website	Available on College Website for Review	This methodology is implemented by BEE Course faculty in the later year.
14	Mrs. K. Swapna	Types of Light Sources and comparison of various light sources	Principles of Electric Power Utilization	Collaborative learning	To improve the student's analyzing skills, individual and teamwork skills	It has improved the student's higher level of thinking, communication skills and Self management skills	Available in the Institute Website	Available on College Website for Review	This methodology is used by faculty of other Open Elective Courses
15	Mr. B. Sudhakar Reddy	Faradays Laws	Electromagnetic Field	Project based Learning	To gain knowledge and skills by working on a project by	The students interest in learning the subject has increased after the implementation of	Available in the Institute Website	Available on College Website for Review	This method is used by next year faculty of the same course

					investigating and responding to an authentic, engaging, and complex question, problem, or challenge.	this method			
16	Mr. Ch.Vikram	Electrical Traction	Principles of Electrical Power Utilization	Quiz using Google Form	To assess whether the students understood the concepts taught in the class.	Attention of the students in the classroom is improved.	Available in the Institute Website	Available on College Website for Review	This method is used by other Open Elective faculty

Innovative Teaching –Learning Methods-2018-2019

S.No.	Name of the Faculty	Topic	Course	Innovative methods adopted	Goals	The Significance of Result	Availability of work on Institute Website	Availability for review and critique	Reproducibility and Reusability
1	Dr. D Bala Gangi Reddy	Classification of Loads	Electrical Distribution Systems	Short Presentation	To improve the effective presentation skills of students on classification of loads	Improved the presentation skills of student and better analysis of a topic	Available on the Institute Website	Available on the Institute Website for Review	This method is used by Power System I Course faculty

2	Mr. K. Satish Kumar	Comparison of Load flow studies	Computer Methods in Power Systems	Brownbag approach	To create a student-centered approach to learning which will improve the understanding skills of the students	The students have performed well in the Semester End Examination after using this method.	Available on the Institute Website	Available on the Institute Website for Review	This methodology is implemented by Electrical Machines II Course faculty in the next year.
3	Mr. T. Parameshwar	Regulation of an Alternator by Synchronous Impedance method	Electrical Machines-III	Think pair share	To engage students think individually about a topic or answer to a question and share ideas with classmates.	As the Topic is complex for the students to understand, this method helps them to think , discuss and share their opinions such that they can easily understand the concept.	Available on the Institute Website	Available on the Institute Website for Review	This innovative method can be reused for other regulation methods.
4	Mr. P. Nageswara Rao	Turbine Speed Governing System	Power System Operation and Control	Activity based learning	To encourage students to actively participate in their own learning experience through practical activities such as problem-solving and independent investigation.	The students have written the assignments well with respect to this topic.	Available on the Institute Website	Available on the Institute Website for Review	This methodology is also used by faculty of other courses the next year.

5	Mrs. V. Vijayalakshmi	Root Locus Method	Control Systems	Peer to Peer Learning	To emphasize peer learning such that students share a similar discourse, enabling for greater understanding.	The students understood the concepts by teaching others and learning from it with more depth.	Available on the Institute Website	Available on the Institute Website for Review	This method is used by Modern Control Theory Course faculty
6	Mr. Ch. Vikram	OC and SC tests on single Phase transformer, Load Test on Single Phase Transformer, Brake Test on DC shunt Motor, Brake Test on Three Phase Induction Motor, Open Circuit Characteristics of Three Phase Alternator	Basic Electrical Engineering Laboratory	Prelab Learning	To familiarize the students with Laboratory equipment and its procedure to perform an experiment.	Through this method we have overcome the fear factor of the first year students.	Available on the Institute Website	Available on the Institute Website for Review	This method is used by Electrical Machines II Lab Course faculty
7	Mrs.A. Srilatha	Induction Motor	Basic Electrical Engineering	Z to A Approach	Attempt to explain the application of Induction Motor first and then concept	Curiosity was created among the students in knowing the	Available on the Institute Website	Available on the Institute Website for Review	This method can be used by other course faculty

						topic.			
8	Mr. M. Vijaykumar	Direct Energy Conversion Systems	Renewable Energy Sources	Pictionary	To allow students to convey the meaning of the concept through pictures such that logical skills, creativity, retention and cognition is improved	It has kindled the interest among the students	Available on the Institute Website	Available on the Institute Website for Review	This method is also used for Power Electronics Course in the next year
9	Mrs. P. Vaishnavi Devi	Basic Electrical and Electronics Concepts	Basic Electrical Engineering	Flash Cards	To inculcate team spirit among the students respond to learning through visual and tactile means.	The level of understanding of technical concepts of the students is improved	Available on the Institute Website	Available on the Institute Website for Review	This concept is used by other BEE Course faculty
10	Mr. L. Raju	Transformer	Electrical Machines-II	Augmented Reality	To enhance the effectiveness and attractiveness of teaching and learning for students in real life scenarios such that the students learn the concept in the more visualized way	This concept has made the students to understand it in a more practical way and it has been interactive even without prior idea.	Available on the Institute Website	Available on the Institute Website for Review	This can be used by any faculty and implement in their course

11	Mr.Hussain Shaik	Fully Controlled Converter	Power Electronics	Simulation based teaching and learning	To develop the ability in an individual regarding problem solving behavior so that the students understand the operation of the circuit and its wave forms with clarity	The students will remember the operation without any confusion	Available on the Institute Website	Available on the Institute Website for Review	This method is used for Power Semiconductor Drives course
12	Mr. P. Naga Muneendra	Construction of DC Machine	Electrical Machines I	Jigsaw Method	To enable each student to specialize in one aspect of a topic with cooperative learning strategy which helps to improve listening, communication, and problem-solving skills.	It helped the students in understanding the construction of DC Machines	Available on the Institute Website	Available on the Institute Website for Review	It is used by Electrical Machines Course faculty in later years
13	Mrs. K. Swapna	Transformers , DC Machine Construction	Electrical and Electronics Engineering(MECH)	Flipped Class Room	To give equal opportunity to students to share their views and ideas and capture their attention & interest.	The students improved their level of understanding as they prepared for explaining the same	Available on the Institute Website	Available on the Institute Website for Review	This method is used by Mechanical faculty for their courses.

14	Mrs. K. Haritha	Transformers	Basic Electrical Engineering	Never miss a class	To make the students learn the concept even if they could not attend the class	The student will not miss this concepts of the course	Available on the Institute Website	Available on the Institute Website for Review	This methodology is used by faculty for the later years
15	Mr. B. Sudhakar Reddy	Types of Electrical Machines	Basic Electrical Engineering	Google it - Report Writing	To inculcate report writing practices in an effective way	The students writing skills have been improved.	Available on the Institute Website	Available on the Institute Website for Review	This method is used by used by other BEE Course faculty

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

- A Faculty scores maximum five points for participation
- Participation in 2 to 5 days Faculty/ Faculty development program: 3 Points
- Participation >5 days Faculty/ Faculty development program: 5 points

S.No	Name of the Faculty	Max. 5 per Faculty		
		2020-21 (CAY)	2019-20 (CAY m1)	2018-19 (CAY m2)
1.	Dr. A. Srujana	5	5	---
2.	Dr. S. Siva Prasad	0	0	5
3.	Dr. D BalaGangi Reddy	3	3	5
4.	Dr. C. N. Ravi	5	5	5
5.	Dr.Surender Reddy	0	0	3
6.	Dr.S.Devagowda	---	--	0
7.	Dr. G. Madhusudhana Rao	0	0	5
8.	Dr.HarikrishnaMuda	0	--	---
9.	Mr. K. Satish Kumar	5	3	0
10.	Mr. A. Narasimharao	0	5	3
11.	Mr. P.Nageshwar Rao	0	0	0

12.	Mr. D.Srinivas	0	5	0
13.	Mrs.M.Soujanya	---	----	0
14.	Mrs. V.Vijayalaxmi	5	5	3
15.	Mr. T.Parameshwar	5	5	5
16.	Mr.Dheeraj.K	---	0	3
17.	Mr. Hussain shaik	5	5	3
18.	Mr. M.Vijaykumar	0	5	0
19.	Mrs. K.Swapna	5	5	3
20.	Mrs. S.Chaitanya	5	5	0
21.	Mr.P. Naga Muneendra	5	5	3
22.	Mr. L. Raju	3	5	3
23.	Mr.VikramChandha	3	5	5
24.	Mrs. P. Vaishnavi Devi	5	3	5
25.	Mr. B.Sudhakar Reddy	3	0	5
26.	Mr. K. Rajeev	0	0	0
27.	Ms.A.B. Bhavana Reddy	0	3	0
28.	Mr.S. Suresh	5	5	0
29.	Mrs. K.Haritha	5	5	3
30.	Mr. B. Rajesh	5	5	5
31.	Mr.BSubhramanyam	0	0	0
32.	Mrs.A.Srilatha	5	3	5
33.	Mr.A.Mohandas	5	5	--
34.	Ms.V.Anuradha	0	--	--
35.	Mrs. ArunaKumari	3	0	0
36.	Mr.A.Praveenkumar	0	3	0
37.	Mr. P.Hemanthkumar	0	0	0
38.	Mr. P.Satheesh	0	0	3
39.	Mrs. G.Prasanna	0	0	0
Sum		90	103	80
RF=Number of Faculty required to comply with 20:1 Student-Faculty ratio as per 5.1		24	27	27
Assessment=3x(Sum/0.5 RF) Marks limited 15		22.50	22.89	17.78

Average assessment over last three years(Marks limited to 15)	21.06
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5.8. Research and Development (75)

5.8.1. Academic Research (20)

Number of Research Publications for the last three academic years

Type of Pub. /Year	International Journals	International Conferences	Total
2020-21	23	10	33
2019-20	6	4	10
2018-19	55	8	63
Total	83	22	106

Number of Quality Publications in Scopus, Web of Science and Science citation index or Science Citation Index Expanded (SCI/SCIE) expanded for the last three academic years

Indexing/Year	Scopus	WoS	SCI	UGC	Total
2020-21	20	3	2	8	33
2019-20	5	0	1	4	10

2018-19	8	0	0	55	63
Total	33	3	3	67	106

**List of Faculty Publications:
Academic year: 2020-21**

S. No	Names of the Author	Title	Journal	Year & Month of Publication	Vol. No., Issue No. and pg. nos.	ISSN No /ISBN No/Digital Object Identifier(DOI)
1.	Dr. A. Srujana	Power Quality Enhancement in a Distributed Energy Resources System With PSO Based Novel Controller	International Journal of Mechanical Engineering	December, 2021	Vol. 6 No. 3 ,ISSN: 0974-5823 ,pgno:Pgno: 1694-1702	https://kalaharijournals.com/resources/dec_212.pdf
2.	Dr. A. Srujana	Integrated Renewable Energy Sources for the minimization of Emission and Economic Operation of Power System	International Journal of Aquatic Science	2021&June	Vol 12, Issue 03, 2021	http://www.journal-aquaticscience.com/article_134358.html
3.	Dr. A. Srujana	Maximum power point tracking optimization and harmonics distributions control on PV systems	IT in Industry	Aug-21	Vol 9, No 3, 876-884	maximum power point tracking optimization and harmonics distortions control on pv systems information technology in industry (it-in-industry.org)
4.	Mrs.V. Vijaya Lakshmi	Hybrid distributed power distribution system with an integrated three port converter for photovoltaic cell/Battery	IT in Industry	Aug-21	Vol 9, No 3, 891-900	hybrid distributed power distribution system with an integrated three port converter for photovoltaic cell /battery information technology in industry (it-in-industry.org)

5.	Mr.M.Vijay Kumar	Power Quality Improvement For Wind Large Scale Integration With Multi Frequency Oscillations With Measured	IT in Industry	Aug-21	Vol 9, No 3, 901-909	tps://www.it-in-industry.org/index.php/itii/article/view/752
6.	Mr. T. Parameshwar	Implementation of the electrical spring for enhancing the power quality in PV based DC grid	IT in Industry	Aug-21	Vol 9, No 3, 885-890	implementation of the electrical spring for enhancing the power quality in pv based dc grid information technology in industry (it-in-industry.org)
7.	Dr. A.Srujana,	Solving constrained economic electrical energy generation and CO2 emission dispatch using hybrid algorithm	Environmental Technology & Innovation	29-Sep-21		doi: https://doi.org/10.1016/j.eti.2021.101999
8.	K. Swapna	Survival Study on Bidding Strategy for Microgrid Interfaced Distributed Renewable Energy Sources	Institute of Electrical and Electronics Engineers (IEEE) - ASIANCON,P UNE	Aug-21	978-1-7281-8403-6	https://doi.org/10.1109/asi-con51346.2021.9544891
9.	Dr.A.Srujana , A. Srilatha, Mr. S. Suresh	Electric Vehicle Battery Modelling and Simulation Using MATLAB-Simulink	Turkish Journal of Computer and Mathematics Education	April 2021 SCOPUS	4604-4609	https://doi.org/10.17762/turcomat.v12i3.1853
10.	Abirami, P., Ravi, C.N	Load flow analysis of 10 bus loop distribution network excited by a generator simulated using open modelica	International Journal of Power Electronics and	2021 SCOPUS	12(2), pp. 1006–1014	http://doi.org/10.11591/ijped.v12.i2.pp1006-1014

		editor	Drive Systems			
11.	A. Srilatha, S. Suresh, K. Sathish Kumar	Control Strategy Of Three- Level DC /DC Converter For Fast Charging Of Lithium-Ion Battery For Electric Vehicles	International Research Journal of Modernization in Engineering Technology and Science	2021 & May		https://www.irjmets.com/uploadedfiles/paper/volume3/issue5_may2021/10561/1628083424.pdf
12.	K.Haritha, L.Raju	Converging Offshore wind energy difficullties	International Journal of Aquatic Science	July & 2021	ISSN 2008- 8019,Vol 12.Issue 3	http://www.journal-aquaticscience.com/article_134068_8c81e3024aef9cbadf7492eccc1299d.pdf
13.	Mrs. S. Chaitanya	Renewable energy optimization with implementation of multiple objective optimization algorithm based on load scheduling	IT in Industry	Aug-21	Vol 9, No 3, 863- 875	renewable energy optimization with implementation of multiple objective optimization algorithm based on load scheduling information technology in industry (it-in-industry.org)
14.	Dr. A. Srujana	DFIG fault detection and control strategies for optimal generation of large renewable power plants	IT in Industry	Aug-21	Vol 9, No 3, 848- 862	dfig fault detection and control strategies for optimal operation of large renewable power plants information technology in industry (it-in-industry.org)
15.	S.Chaitanya, S.Suresh	Power Factor Correction Method Using PFC BOOST Converter For Non-Linear Loads	International Journal Of Creative Research Thoughts -	June 2021 UGC	Volume 9, Issue 6 J	https://ijcrt.org/papers/ijcrt2106459.pdf

			IJCRT			
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1. 2	N Narendra Reddy, Jarupula Somla, A.Srujana	Model Predictive Control Based Extended Kalman Filter to improve Power Quality in Micro Grid with Improved Particle Swarm Optimized Selective Harmonic Elimination	Journal of Advanced Research in Dynamical and Control Systems	May 2020 Scopus	Volume 12,Issue 2,Page No.1272	https://www.jardcs.org/abstract.php?id=4396

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59.	Md.Safiuddin Farooqui, Mr.Dheeraj.K	Replacing the grid interface transformer with solid-state transformer in hybrid energy conversion system	International Journal of research	Sep 2018 UGC	Volume 7, Issue IX 717-728	doi:16.10089.ijr.2018.v7i9.285311.22823
60.	S.Harish Kumar, Mr.P.Nageswar Rao	Fuzzy logic based power factor correction, voltage and power stability in renewable energy source using electric spring	International Journal of research	Sep 2018 UGC	Volume 7, Issue IX 1094-1104	doi:16.10089.ijr.2018.v7i9.285311.22871
61.	Chandupatla Hareesh, Dr.D.Bala Gangi Reddy	SPWM based battery and photovoltaic module-integrated standalone single-stage switched capacitor inverter for rural development	International Journal of research	Sep 2018 UGC	Volume 7, Issue IX 1299-1307	doi:16.10089.ijr.2018.v7i9.285311.22904
62.	Swapna Priya, Mr.Vikram Chandha	Fuzzy with voltage-controlled DSTATCOM based voltage regulator for low-voltage distribution grids	International Journal of research	Sep 2018 UGC	Volume 7, Issue IX 729-736	doi:16.10089.ijr.2018.v7i9.285311.22824
63.	K.Sai Rama Krushna,	PID controller based grid	International	Sep 2018 UGC	Volume 7, Issue	doi:16.10089.ijr.2018

	Mr.D.Srinivas	connected wind turbine energy system for power quality enhancement	Journal of research		IX 17-24	.v7i9.285311.2205
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A. Faculty guiding Ph. D

S.No	Name of the Supervisor	Name of the Research Scholar	Title of the Research work	Year of Registered	Name of the University
1.	Dr. A. Srujana	N. Narendar Reddy.	Power Quality	2014	KLU
		B. VenugopalReddy	Power Electronic Converters	2015	KLU
		D. Naveen Kumar	Investigation on cascaded multilevel inverter for grid connected photovoltaic system	2017	JNTUH
2.	Dr. C. N. Ravi	P. Abirami	Power quality improvement by mitigating harmonics using impedance converter in distribution systems	2016	SIST
		R. Jeyaraman	Development of converter topology for grid connected renewable energy systems	2016	SIST

B. Faculty registered for Ph.D.:

S.No.	Name of the faculty	Name of the Department	Year of registration	University Registered	Status
1	Mr.K.Sathish Kumar	EEE	2009	JNTUH	About to Submit
2	Mrs.P.VashnaviDevi	EEE	2017	SIST	Pre-Ph.d Completed
3	Mr.M.Vijay Kumar	EEE	2018	KU	Pre-Ph.d Completed
4	Mr. P.Nageshwar Rao	EEE	2018	SIST	Pre-Ph.d Completed
5	Mr. D.Srinivas	EEE	2019	SIST	Pursing Ph.d
6	Mr. T.Parameshwar	EEE	2019	SIST	Pursing Ph.d
7	Mrs.K.Swapna	EEE	2019	SIST	Pre-Ph.d Completed

8	Mr.P. Naga Muneendra	EEE	2018	JNTUH	Pre-Ph.d Completed
9	Mr. B. Rajesh	EEE	2012	JNTUH	Pre-Ph.d Completed
10	Mrs.A.Srilatha	EEE	2015	KLEF	Pre-Ph.d Completed
11	Mr.A Mohandas	EEE	2012	JNTUH	Pre-Ph.d Completed
12	Mr. Hussain Shaik	EEE	2020	JNTUK	Registered for Course work
13	K.Rajeev	EEE	2021	SIST	Registered for Course work

5.8.2. Sponsored Research (20)

List of Sponsored projects sanctioned by Government and Non-Government organizations

S.No.	Title of the STTP	Name of the Principal Investigator	Name of the Funding agency	Type (Government/Non-Government)	Year of Award	Funds provided (INR in Lakhs)	Duration of the project
1	Hands on training in Artificial Intelligence and Optimization techniques	Dr. C. N. Ravi	AICTE-STTP	Government	2020-21	2.70	One Week

5.8.3. Development activities (15)

5.8.3 (a) Product development:

S.No	Name of the Product	Faculty Team
1.	Electric Vehicle	Dr.A.Srujana, Dr.C.N.Ravi, Mrs.V.Vijayalaxmi,Mr.Hussain Shaik, Mr.B. Rajesh, Mr.B.Sudhakar Reddy
2.	e-bicycle	Mr.B.Rajesh, Mr.B.Sudhakar Reddy, Mrs.A.Srilatha, Mr.T.Prameshwar.
3.	G-Glove	Dr.A.Srujana , Dr.D.Bala Gangi Reddy, B.Rajesh, B.Sudhakar Reddy.
4.	EDU-AR app	Dr.A. Srujana, B.Rajesh, B.Sudhakar Reddy, Mrs.K.Haritha
5	Smart duster	Mr.P. Naga Muneendra, Mr.L. Raju, Mrs.P. Vaishnavi Devi
6	Solar Maximum Power Point Tracker	Mr.B.Sudhakar Reddy ,Mr.P.NageshwarRao,Mr.A. Mohandas,
7	IOT based crop management system	Dr.A. Srujana, Dr.M.DileepKrishna, Dr.C.N.Ravi, Dr.D.Bala Gangi Reddy,Mrs.K.Swapna.

5.8.3 (b) Research Laboratories:

S. No.	Name of the Research Lab	Area of the Research	Outcome
1	Centre for Power electronics and industrial drives	Power electronics	Projects, Publications & Patents
2	Centre for Power systems and energy management	Power systems	Projects, Publications & Patents

Instructional Materials:

Sl. No	Name of the Faculty	Name of the Course	Out Come	Course Web Link
1	Dr.A.Srujana	Power System Operation & Control, Switch Gear & Protection	For all the courses hand outs and Question banks are Available in the College Website. Students can access these materials through Website.	http://172.18.0.131:8000/jspui
2	Dr.D.B.G.Reddy	Electrical Distribution Systems,		
3	Dr.C.N.Ravi	Power Systems – II, MPID.		
4	Mr.P.Nageshwara Rao	Switching Theory and Logic Design, Integrated Circuit Analysis.		
5	Mr.K.Satish Kumar	Computer Methods in Power Systems, Electrical Technology.		
6	Mr.D.Srinivas	Utilization of Electrical Energy, Power Systems – I		
7	Mrs.K.Swapna	Fundamentals of Electrical Power Generation & Protection (FEPGP), Principles Of Electric Power Utilization		
8	Mr.T.Parameshwar	Switch Gear & Protection		
9	Mrs.V.Vijaya Lakshmi	Network Analysis Control Systems		
10	Mr.B.Rajesh	Power Electronics, EVHV, Power Semiconductor Drives		
11	Mr.M.Vijay Kumar	Renewable Energy Sources		
12	Mrs.S.Chaitanya	EHV AC Transmission,		

		High Voltage Engineering,		
13	Mr.Hussain Shaik	Non-Conventional Energy Sources		
14	Mr.P.Naga Muneendra	Electrical Machines-I, Electrical Machines-II		
15	Mr.L.Raju	Electrical Machines-III		
16	Mr.Ch.Vikram	Energy Storage Systems,		
17	Mrs.A.Srilatha	Basic Electrical Engineering (BEE)		
18	Mr.A.Mohandas	Electro Magnetic Fields		
19	Mr.B.Sudhakar Reddy	Electrical Measurements & Instrumentation		
20	Mrs.K.Haritha	Electrical Energy Conservation and Auditing		

5.8.3 (d) Laboratory Manuals Prepared by faculty:

S.No	NameoftheLabmanual	NameoftheFaculty	Link of the manual
1	Basic Electrical Engineering Laboratory	Mrs.V.Vijaya Lakshmi, Mr.Ch.Vikram	http://172.18.0.131:8000/jspui
2	Electrical Machines–I Laboratory	Mr.T.Parameshwar	
3	Electric Circuits Laboratory	Mr.HussainShaik	
4	Basic Simulation Tools Laboratory	Dr.C.N.Ravi	
5	Electrical Machines–II Laboratory	Mr.T.Parameshwar	
6	Control Systems &Simulation Laboratory	Mrs.K. Haritha	
7	Power Electronics & Simulation Laboratory	Mr.B.Rajesh	
8	Microprocessors & Microcontrollers Laboratory	Mr. A. Mohandas	
9	Electrical Measurements Laboratory	Mrs.K.Swapna	
10	Electronics Devices& Circuits laboratory	Mr.P. Nagamuneendra	

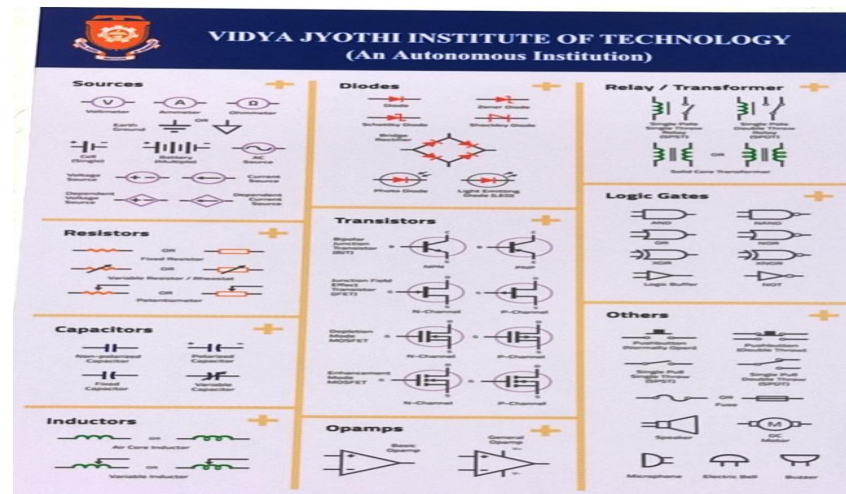
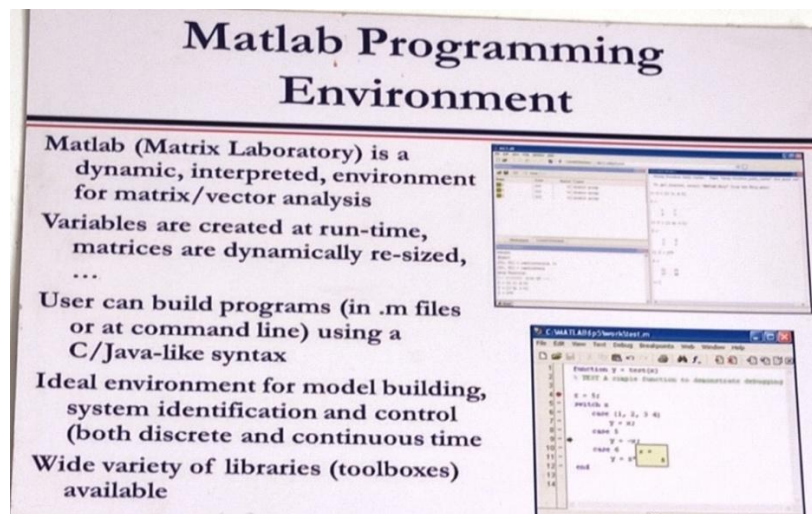
5.8.3 (e) Working Models/charts/monograms:

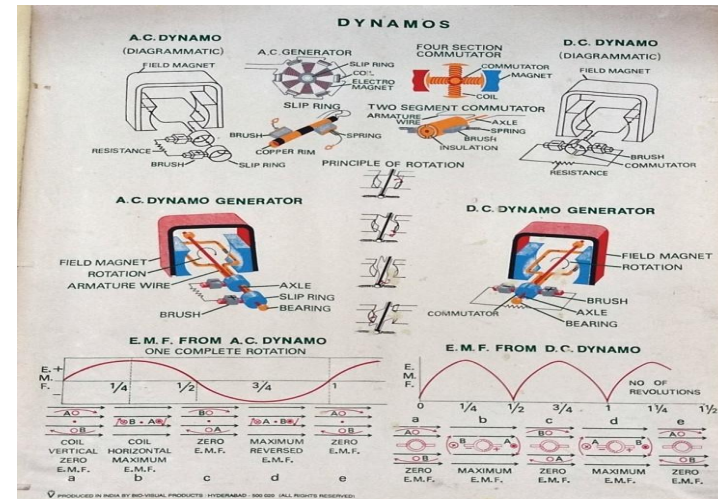
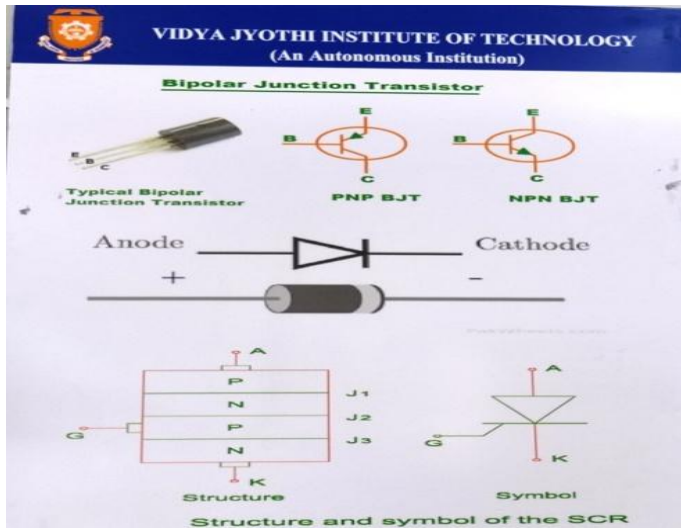
1.Working Models:

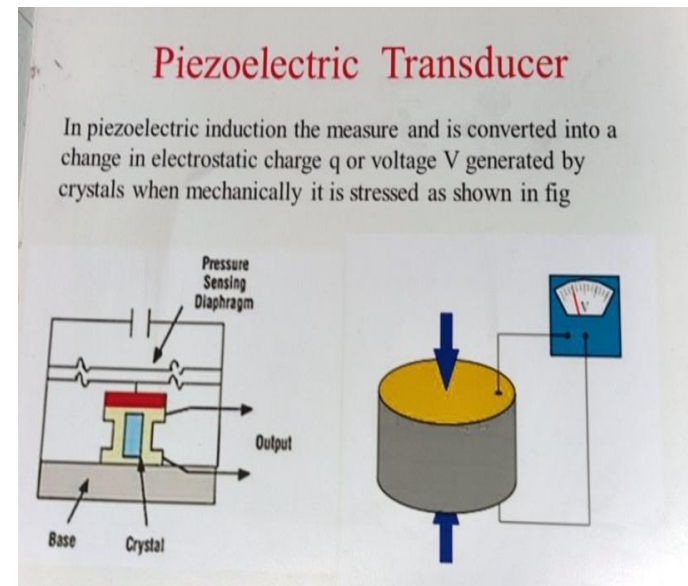
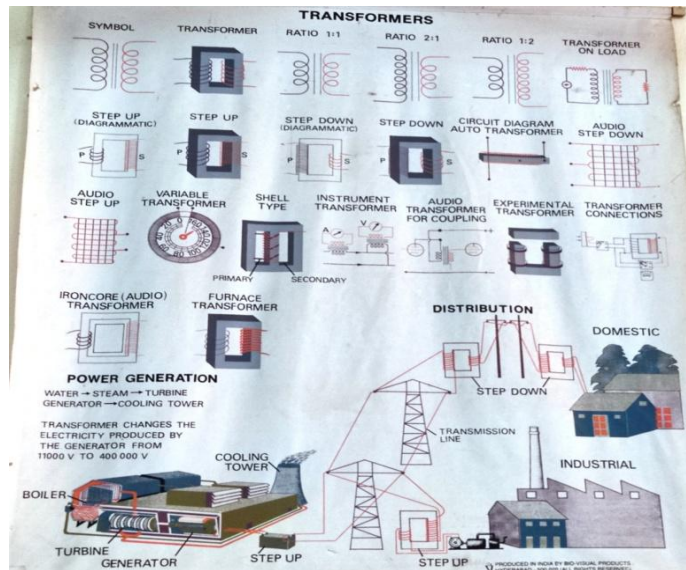
S. No	Name of the working model
1.	Design and development of suitable electric vehicle motor for urban transportation
2	e-bicycle
3	G-Glove
4	EDU-AR app
5	Smart duster
6	Solar Maximum Power Point Tracker
7	IOT based crop management system

2. Charts: The Department of EEE has various Charts displayed in different laboratories made from different streams of Electrical & Electronics Engineering domain.

Charts are Available in EEE Department:







Monograms: Students Club



5.8.4. Consultancy (from Industry) (20):

Academic Year : 2020-21

S.no	Project Title	Duration	Funding Agency	Amount
1	NTA-NEET	1 Year	NTA-NEET	226530
2	Tata Consultancy Services Ltd	1 Year	TCSION	350646
3	JEE	1 Year	JEE	23,900
4	NIELIT	1 Year	NIELIT	2,44000
5	NSEIT	1 Year	NSEIT	68260
6	Ornaldo,UP(IAF)	1 Year	Ornaldo,UP(IAF)	63490
7	Ornaldo,UP(ICG)	1 Year	Ornaldo,UP(ICG)	53080
Total				10,29,906

AY: 2019-20

Project Title	Duration	Funding	Amount
Tata Consultancy Services Ltd.	1 Year	TCS ION	3,11,312
TSLPRBT- Supreethi(JNTUH)	1 Year	TSLPRBT	1,22,950
Total			4,34,262

AY: 2018-19

Project Title	Duration	Funding Agency	Amount
Tata Consultancy Services Ltd	1 Year	TCS ION	1,31,724
NSE IT Limited	1 Year	NSE IT Limited	28,175
SATVAT INFOSAL Pvt. Limited	1 Year	SATVAT INFOSAL Pvt. Limited	96,021

Total	2,55,920
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A.Y: 2017-18

Project Title	Duration	Funding Agency	Amount
IT Limited	6 Months	IT Limited	33,050
Tata Consultancy Services Ltd	1 Year	TCS ION	2,16,396
APTECH Ltd	1 Year	APTECH Ltd	81000
ICAR unit National Academy of AGRI	6 Months	ICAR unit National Academy of AGRI	1,94,300
NSE IT	1 Year	NSE IT	56570
NIELIT	1 Year	NIELIT	106300
SATVAT	6 Months	SATVAT	26,250
ACER 2026	6 Months	ACER 2026	24,000
Total			737866

5.9. Faculty Development System

Performance Appraisal and (FPADS) (10)

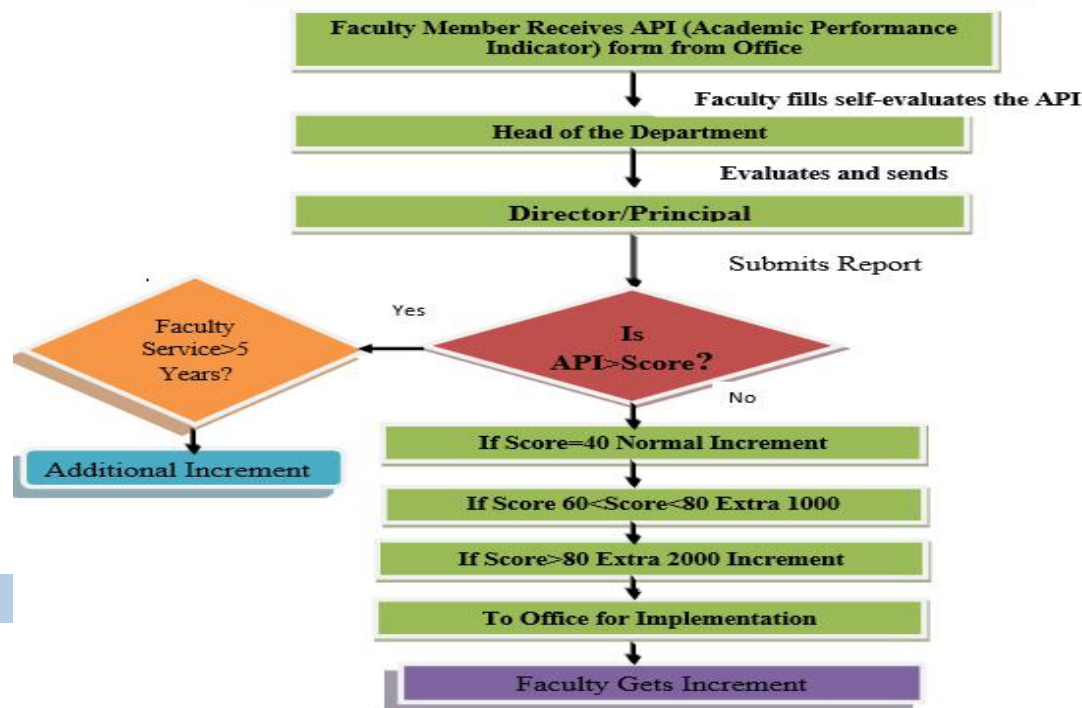


Fig: Faculty Performance Appraisal and Development System

The performance of the faculty members is evaluated based on the following criteria:

Each faculty member is required to submit a self-appraisal report annually on the basis of parameters as teaching hours, number of subjects taught, research papers/articles/books published, conferences attended, papers presented in the conferences, new curricula designed/developed, participation in extracurricular/co-curricular activities, extra responsibilities assigned by the university, and other contributions made towards the society.

Review of the performance appraisal is made by HOD, Director/Principal.

Based on the score achieved by the faculty financial incentives are provided:

Measures taken by the Institution for attracting and retaining eminent faculty

Incentive for Faculty

- Faculty with five years of continuous service in the college, are eligible for one additional increment.
- Special incentive increments will be sanctioned for five, ten and fifteen years of service in the same cadre.
- Faculty, who scores between 60% - 80% in API score, gets an additional incentive increment of Rs.1000/- per month.
- Faculty who scores more than 80% in API score gets an additional incentive increment of Rs. 2000/- per month.
- Faculty member who have been awarded Ph.D. shall be given an incentive increment of Rs. 3000/- to Rs.8000/- per month.
- If a Faculty member publishes a paper in a research journal will be given Rs. 1000/- for first author and Rs.500/- for second author.

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
ACADEMIC PERFORMANCE INDICATORS
 (TEACHING FACULTY)
 (To be filled by the candidate)

1. Name : _____
2. Designation : _____
3. Department : _____
4. Date of joining : _____
5. Present Position : _____

1. Teaching Performance indicator:

S.NO	Course/ Semester	Title of the paper taught	No. of classes engaged per week	Result (Pass Percentage)	API Score (Max 20+5)
1.	1 st Sem	Subject-1			
		Subject-2			
		Laboratory			
2.	2 nd Sem	Subject-1			
		Subject-2			
		Laboratory			
3.	Average of Results				
For taking Teaching Load in excess of UGC norm (max score:5)					

Score based on Results: >90%-20, 80-90%-15 70-80% - 10, <70%-5

2. Students Feedback Indicator:

S.NO	Semester		Title of the paper	Students Feedback Points	API Score (Max 15)
1.	1st Sem	Subject-1			
		Subject-2			
		Laboratory			
2.	2nd Sem	Subject-1			
		Subject-2			
		Laboratory			
3.	Average Feedback				

Score based on Students feedback: >9%-15 8-9%-10 7-8% - 5

3. Interactive class room teaching approach (As per NBA):

API Score: Max 10

In this method, teachers are expected to use the outcome based education system, so that weak students can learn the subject in better way.

Documentary evidence is to be submitted along with this form

4. Publication of research papers in Journals:

S.NO	Title with Page No's	Journal	ISSN/ ISBN No.	Whether peer reviewed, Impact factor, if any	No. of co-authors	Whether you are the main author	API Score (Max 10)

For publication of each paper -5.

5. Publication of Articles/Chapters in Books:

S.NO	Title with Page No's	Journal	ISSN/ ISBN No.	Whether peer reviewed	No. of co-authors	Whether you are the main author	API Score (Max 5)

6. Participation along with presentation in Conferences/Seminars/Workshops/ Symposia/faculty development programme etc.,(outside the college)

S.NO	Title of the paper presented (if any)	Name of Conference/Seminar	Organization	Whether International/National	API Score (Max 15)

a) Participation & presentation (per presentation- 7.5)

b) For participation (per participation- 5)

7. Examination duties assigned and performed (other than invigilation duty)

S.NO	Type of examination duty assigned	Extent to which assigned work was carried out	API Score (Max 5)

8. Co-Curricular/ Extra Curricular duties assigned by the college:

S.NO	Type of Activities assigned by the	Average	API Score
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	college	Hrs/Week	(Max 5)

9. Assessment of the Teacher by the HoD:

S.NO	Type of work assigned	API Score(Max 10) (Each item carries 2 marks)
a)	Impression about the teaching work of the teacher	
b)	For extending the help in the organization of departmental workshops/seminars	
c)	For counseling the students	
d)	For mentoring the students	
e)	Any other departmental work assigned by the HoD	

10. SUMMARY OF API SCORES (Maximum 100):

	Criteria	API score under different Categories	Total API score under different categories
I	Teaching, Learning and Evaluation related activities (1+2+3)		
II	Extension of the subject/ research work (4+5+6)		
III	Co-curricular & extra curricular activities along with HoD assessment (7+8+9)		

Total API Score	
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Signature of the Teacher

Signature of the HOD

Signature of the Director

5.10. Visiting/Adjunct/Emeritus Faculty etc. (10): Adjunct faculty also includes Industry experts. Provide details of participation and contributions in teaching and learning and research by visiting/adjunct/Emeritus faculty, etc. for all the assessment years:

- Provision of visiting / adjunct faculty (1)
- Minimum 50 hours per year interaction with adjunct faculty from industry / retired professors, etc. (9) (Minimum 50 hours interaction in a year will result in 3 marks for that year ; 3marks x 3years = 9marks)

CAY 2020-21:

S. No	Name of Adjunct Faculty	Organization Name	Subject	Year	Semester	No. of Hours taken
1	Mr. Rajesh Kumar Peddi	GE Grid Software Solutions	Switch Gear Protection	III	II	27

2	Mr.Hari Krishna Sagar	Director, Mythree Academy, Hyderabad	QMLR	III	I	28
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CAY 2019-20:

S. No	Name Of Adjunct Faculty	Organization Name	Subject	Year	Semester	No. of Hours taken
1	Mr.B. Dileep	Eduvance, Mumbai, Maharashtra	Microprocessors & Interfacing Devices	IV	I	26
2	Mr.Hari Krishna Sagar	Director, Mythree Academy, Hyderabad	QMLR	III	I	28

CAY 2018-19:

S. No	Name Of Adjunct Faculty	Organization Name	Subject	Year	Semester	No. of Hours taken
1	Mr.B. Dileep	Eduvance, Mumbai, Maharashtra	Microprocessors & Interfacing Devices	IV	I	27
2	Mr.Hari Krishna Sagar,	Director, Mythree Academy, Hyderabad	QMLR	III	I	28

CRITERION 6	FACILITIES AND TECHNICAL SUPPORT	80
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6.1 Adequate and Well Equipped Laboratories and Technical Manpower (40)

S. No.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Important equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
1	Electrical Machines Lab-I	3	Rectifier unit, DC shunt motor with mechanical load , DC compound motor with mechanical load, DC shunt motor coupled to DC shunt generator, DC shunt motor coupled to DC compound generator, DC series motor coupled to DC series generator, DC shunt motor coupled to DC series generator, Ammeters, Voltmeters, Rheostats, Tachometers.	24 hours/week	A.Babu Rao	Lab Assistant	Diploma
2	Electrical Machines Lab-II	3	1- ϕ Transformers, 3- ϕ Transformers, 3- ϕ Induction motor with mechanical load, DC shunt motor coupled to 3- ϕ alternator,	24 hours/week	A.Babu Rao	Lab Assistant	Diploma

			3- ϕ Synchronous motor, 1- ϕ Induction motor, 1- ϕ and 3- ϕ Auto Transformer, Rheostats, Wattcmeters .				
3	Electrical Circuits Lab	3	A low rating Transformer, Regulated power supply, Ammeters, Voltmeters, Function Generators, Decade Resistance Box.	24 hours/week	B.Padma Rao	Lab Assistant	Diploma
4	Power Electronics and Simulation Lab	3	SCR,IGBT&MOSFET study kit, Gate firing circuits for SCR, Single phase AC voltage controller, Single phase fully controlled bridge converter, DC Jones chopper, 1- ϕ Parallel inverter, 1- ϕ Series inverter, 1- ϕ Cyclo converter, 1- ϕ Half controlled converter CRO's, Regulated power supply, Ammeters, Voltmeters, Multimeters, Isolation Transformers, center tapped transformers.	24 hours/week	A. Rani Malini Devi	Lab Assistant	B.Tech
5	Control systems and Simulation Lab	3	Time Response of Second order system, Characteristics of synchros, Transfer Function of DC motor Kit, DC servo motor,	24 hours/week	T.Samatha	Lab Assistant	B.Tech

			Ac servo motor, Magnetic Amplifier, DC Generator, Programmable Controller, CRO's, etc	Logic			
6	Basic Simulation and Tools Lab	1	HP Pentium Dual Core Processor 2.2 GHz with 1GB Ram,HDD250GB,LCD Monitor, PSPICE Software, Open Source software	24 hours/week	A. Rani Malini Devi	Lab Assistant	B.Tech
7	Electrical Measurements Lab	3	Kelvin's double bridge, Dielectric oil testing kit, Andersons bridge, CT's, LVDT kit, Strain Gauge, Transformers turns ratio kit	24 hours/week	B. Padma Rao	Lab Assistant	Diploma
8	Electronic Devices and Circuits Lab	3	Regulated power supply, DC voltmeters, DC ammeters, Multimeters, Transformers, CRO's, Function Generators, Breadboards, Decade Resistance Box.	24 hours/week	B. Padma Rao	Lab Assistant	B.Tech
9	Power and Energy systems Lab-I	1	HP Pentium Dual Core Processor 2.2 GHz with 1GB Ram,HDD250GB, LCD Monitor, Open Source software.	12 hours/week	T.Samatha	Lab Assistant	B.Tech
10	Power and Energy systems Lab-II	1	Panel Board with meters, 3 phase Auto transformer,	24 hours/week	A.Babu Rao	Lab Assistant	Diploma

			3 winding Transformer, Panel Board with 1 phase variac and starter, 3 phase Auto transformer, DC shunt motor coupled to 3 phase alternator, two over current relays and 1 earth fault relay, 1 phase 0-260V auto transformer and IDMT relay, negative sequence relay, over voltage Relay, 3-KVA Transformer, Transmission line model with over current Relays, Load Bank				
11	Microprocessor and interfacing Devices Lab	3	Stepper motor, Elevator simulator, seven- segment display, Interfacing ADC and DAC kit, Digit Key, 8086 microprocessor kits, SMPS	24 hours/week	T.Samatha	Lab Assistant	B.Tech
12	Basic Electrical Engineering Lab(Machines)	3	1- ϕ and 3- ϕ Auto Transformer, Ammeter, Voltmeter, 1-Phase Wattmeter, 3-Phase Wattmeter, 1-Phase Resistive Load, Digital Tacho Meter,	30 hours/week	B. Padma Rao	Lab Assistant	Diploma

			DC Shunt Motor with Mechanical Load, 3-Phase Alternator, 3-Phase Induction Motor with mechanical load, 1-Phase Transformer (2KVA)				
13	Basic Electrical Engineering Lab(Circuits)	3	DC voltmeters, DC ammeters, Multimeters, Transformers, CRO's, Function Generators, Breadboards, Decade Resistance Box.	30 hours/week	A.Rani Malini Devi	Lab Assistant	B.Tech
14	Project Laboratory	3	Desktop Computers ETAP Software with License Sci Lab Software PSPICE software with License Solar Panel DC Motor Digital Oscilloscope	Minimum 2 hours/day	A.Rani Malini Devi	Lab Assistant	B.Tech
15	Research Laboratory	3	Digital Oscilloscope Loading rheostat 3phase Slip Ring Induction motor DC Motor PMDC Motor Inductor	Minimum 2 hours/day	T.Samatha	Lab Assistant	B.Tech

			Micro controller SMART Power Module Electromechanical relay Numerical Relay 3 phase Transmission Line Model				
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6.2. Laboratories: Maintenance and overall ambience (10)

Sr. No	Type of Maintenance	Description
1.	Preventive maintenance	<ul style="list-style-type: none"> • The students are given instructions in handling the equipments before performing the experiments • Do's and Don'ts of the Laboratory, list of experiments are placed in every lab. • Stock register is maintained in Laboratories and audits are conducted by stock verification committee to check the availability and working condition of the equipments. • Proper painting is done in the brake drum of the motors to avoid rusting. • Timely replacement of the belt moving over the brake drums. • By pouring water inside the brake drum, excessive heating of the machines can be reduced in the loaded conditions. • Suitable gauge of the wire based on current rating is used in the fuses to avoid the malfunctioning and breakdown of machines. • The working condition of passive elements and transistors is checked by using Multi meter and other meters in all laboratories. • UPS back up is provided for all computer based laboratories. • Regular Antivirus software updation for proper working of the systems is done. • Minor repairs are carried out by the lab technicians. When there is a Major repair, service is obtained from external agency.

2.	Periodic maintenance	<p><u>Daily maintenance:</u></p> <ul style="list-style-type: none"> • Lab technician checks the working condition of the equipments/systems on daily basis. • ‘Apparatus required’ form is maintained in each lab to track the breakage of equipments & non working of the equipments. • Every day cleaning of equipments and work tables are done. • Floor cleaning of labs are done every day by housekeeping department of the college <p><u>Weekly maintenance:</u></p> <ul style="list-style-type: none"> • Floor mopping of labs are done twice in a week by housekeeping department of the college. • The fault in equipment is identified with the help of the lab technician and the faculty In charges. • Weekly maintenance report is prepared and necessary action is done <p><u>Semester End maintenance:</u></p> <ul style="list-style-type: none"> • Stock verification is done by inspection committee at the end of every year and the report is submitted to the Principal. • All equipment’s are serviced once in six months. • The semester end maintenance report is generated in which the current condition of the equipments (consumables, non consumables and the furniture’s) are mentioned and submitted to the HOD. • Every month the earth leakage current of the power cables is checked. <p><u>Yearly maintenance:</u></p> <ul style="list-style-type: none"> • Scrap items in the laboratories are identified by lab in charges and after the same will be sent to scrap yard. • Fire extinguishers are regularly refilled. • Earth resistance is checked and if it found to be more, earth pit maintenance is carried out by adding required essentials.

3.	Breakdown maintenance	<p>It is on demand maintenance activity. It includes:</p> <ul style="list-style-type: none"> • Upon sudden breakdown of equipment, all sorts of required repair work shall be carried out only by skilled and authorized service representative. • Breakdown maintenance of the personal computers is done by Computer Maintenance Cell of the College.
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Over all Ambience	
<ul style="list-style-type: none"> • All laboratories are well furnished and spacious with good ventilation with lighting facilities. • All laboratories are equipped with essential equipments to meet the requirements of the curriculum. • List of experiments as per the curriculum are maintained in each lab. • Name boards are displayed regarding the rating of the machines in electrical machines laboratory. • Working models of machines and devices in the form of charts are placed on the walls. 	

6.3. Safety measures in laboratories (10)

S. No.	Name of the Laboratory	Safety measures
1	Electrical Machines Lab-I	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Electrical earthing is well maintained. • Power to all the panel boards is supplied through a 440V distribution panel. • Power supply terminals connected to any circuit are energized with the presence of the instructor or lab staff. • Emergency power shutdown facility is provided. • Insulation mats are provided on the ground to prevent shocks. • Students are instructed to wear apron and shoes.

2	Electrical Machines Lab-II	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • Power to all the panel boards is supplied through a 440V distribution panel. • Students are instructed to wear apron & shoes. • Electrical earthing is well maintained. • Power supply terminals connected to any circuit are energized with the presence of the instructor or lab staff. • Emergency power shutdown facility provided. • Insulation mats are provided on the ground to prevent shocks. • Guidelines and instructions are displayed in the laboratory.
3	Electrical Circuit Lab	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Electrical earthing is well maintained. • Students are instructed to wear apron & shoes.
4	Power Electronics and Simulation Lab	<ul style="list-style-type: none"> • First aid kit. • All the experiment benches are supplied power through a voltage stabilizer. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Electrical earthing is well maintained. • Power supply terminals connected to any circuit are energized with the presence of the instructor or lab staff. • Emergency power shutdown facility provided. • Students are instructed to wear apron & shoes. •
5	Control systems and Simulation Lab	<ul style="list-style-type: none"> • First aid kit. • All the experiment benches are supplied power through an voltage stabilizer. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Power supply terminals connected to any circuit are energized with the presence of the instructor or lab staff. • Students are instructed to wear apron & shoes.

6	Basic Simulation and Tools Lab	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Students are instructed to wear apron & shoes.
7	Electrical Measurements Lab	<ul style="list-style-type: none"> • First aid kit. • All the experiment benches are supplied power through an voltage stabilizer. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Power supply terminals connected to any circuit are energized with the presence of the instructor or lab staff. • Students are instructed to wear apron & shoes.
8	Electronic Devices and Circuits Lab	<ul style="list-style-type: none"> • First aid kit. • All the experiment benches are supplied power through a voltage stabilizer. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Students are instructed to wear apron & shoes.
9	Power and Energy systems Lab-I	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Electrical earthing is well maintained. • Power supply terminals connected to any circuit are energized with the presence of the instructor or lab staff. • Emergency power shutdown facility provided. • Students are instructed to wear apron & shoes.
10	Power and Energy systems Lab-II	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Electrical earthing is well maintained. • Power to all the panel boards is supplied through a 440V distribution panel. • Power supply terminals connected to any circuit are energized with the presence of the instructor or lab staff. • Insulation mats are provided on the ground to prevent shocks. • Emergency power shutdown facility provided.

		<ul style="list-style-type: none"> • Students are instructed to wear apron & shoes.
11	Microprocessor and interfacing Devices Lab	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • Guidelines and instructions are displayed in the laboratory. • Students are instructed to wear apron & shoes.
12	Basic Electrical Engineering Lab(Machines)	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • Power to all the panel boards is supplied through a 440V distribution panel. • Guidelines and instructions are displayed in the laboratory. • Insulation mats are provided on the ground to prevent shocks. • Electrical earthing is well maintained. • Emergency power shutdown facility provided. • Students are instructed to wear apron & shoes.
13	Basic Electrical Engineering Lab(Circuits)	<ul style="list-style-type: none"> • First aid kit. • Dry type fire extinguisher. • All the experiment benches are supplied power through a voltage stabilizer. • Guidelines and instructions are displayed in the laboratory. • Students are instructed to wear apron & shoes. • Emergency power shutdown facility provided.
15	Research Laboratory	<ul style="list-style-type: none"> • Students are instructed to unplug electrical equipment after use. • Students are advised to unplug cords by pulling the plug but not the chord.

6.4. Project laboratory (20)

- The Project Laboratory has a key role in promoting practical learning experience with the utilization of available resources, a place where they develop creative projects, and execute their final projects.
- Main purpose of Project Lab is to provide working environment to student for developing their projects.
- Project/Research laboratories are utilized by the UG students, PG students, and Faculty members for their projects and research activities.
-

Project Laboratory						
S.No	Name of the Research Lab	Name of the Major Equipment	Model Name & Rating	Research Area/Purpose	Weekly utilization status	Utilization of the Laboratory
1	Power Electronics and Drives Research Lab	Digital Oscilloscope	70 M Hz,1 GS/s	Voltage and Current Measurement	Minimum 2 hours/ week	Aid in class room teaching, In-house projects, Internship and placements.
2		Loading rheostat	3 KW	Load		
3		3phase Slip Ring Induction motor	3 H.P	Electrical Drives		
4		DC Motor	3 H.P, 1 H.P	Electrical Drives		
		PMDC Motor		Electrical Drives		
6		Inductor	0-120mH, 0-150mH	Filter Inductor		
7		Micro controller	dsPIC30F 4011	Digital Controller		
8		SMART Power Module	VPET-106A	Power Electronic Converters		
9	Power and Energy Systems Lab	Electromechanical relay	Alstrom, Plug setting multiplier: 2A, Time setting multiplier:20	Power system Protection	Minimum 2 hours/ week	Aid in class room teaching, In-house projects, Internship and placements.
10		Numerical Relay	POVK PVs, 5A, 275 V AC	Power system Protection		
11		3 phase Transmission Line Model	3 Phase, 415V, 20A	Power system Protection		
12	Electrical Measurements	Transducers kit – LVDT		Measurement		Aid in class room teaching
13		Dielectric oil testing kit				

- Discussions and implementations of innovative ideas about mini and major projects.
- Project lab is utilized exclusively for the student project work with the hardware and software facilities listed below in the table 6.4 (a) Research Facilities and (b) computing Facilities

Table . 6.4(A) Research Facilities

S. No	Computing Facility Available	No. of Users
1	Desktop Computers	30
2	ETAP Software with License	10
3	Sci Lab Software	Open Source
4	PSPICE software with License	10

Table . 6.4 (B) Computing Facilities**Utilization:**

- Utilization for Project labs start from 9.00 A.M-4.00 P.M during working hours and from 4.00 P.M -5.00 P.M after the working hours.
- Upon prior request and permission from HOD, the students can access the facility during non-working days also.
- Laboratories are also operated beyond the college hours for the convenience of the students.
- Students can utilize the project labs for major and mini projects.

Research Facilities:

- The Department of Electrical and Electronics Engineering has setup research environment to utilize the knowledge resources, carryout research activities for the societal upliftment.
- The detailed infrastructural facilities are listed above in the table 6.4 (A&B).

Table: List of In-house projects Academic Year Wise

List of In-house projects Academic Year Wise						
<i>Academic Year</i>	<i>Power systems</i>	<i>Power electronics</i>	<i>Power electronics Drives</i>	<i>Renewable Energy sources</i>	<i>Control systems, Embedded Systems & IOT</i>	<i>Power Quality</i>
2017-18	4	1	1	10	9	2
2018-19	6	5	8	3	9	3
2019-20	3	4	5	3	10	4
2020-21	5	1	6	6	16	0

CRITERION 7	CONTINUOUS IMPROVEMENT	75
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7.1. Actions taken based on the results of evaluation of each of the COs, POs & PSOs (30)

POs Attainment Levels and Actions for improvement – (Batch :2015-2019)

POs	Target Level	Attainment Level	Observations
PO1: Engineering Knowledge			
PO1	2.10	2.42	The Target value of attainment is reached.
Action 1: Encourage students to watch NPTEL video lectures on engineering and technology. Action 2: Arranging field visits for better understanding the concepts.			
PO2: Problem Analysis			
PO2	2.10	2.31	The Target value of attainment is reached.
Action 1: Makeup classes may be conducted for mathematical oriented courses for enhancing problem solving skills especially for lateral entry students. Action 2: Tutorial classes may be conducted to solve/practice more numericals.			
PO3: Design/development of solutions			
PO3	2.10	2.23	The Target value of attainment is reached.
Action 1: Hands on practice sessions may be made a part of regular time table. Action 2: Students may be encouraged to participate in design contests to present their ideas/models developed.			
PO4: Conduct investigations of complex problems			
PO4	2.10	2.21	The Target value of attainment is reached.
Action 1: Students are encouraged to register various self-learning/certification courses. Action 2: Guest lecturers/seminars by industrial experts may be organized for updating the technical knowledge.			
PO5: Modern tool usage			
PO5	2.10	2.16	The Target value of attainment is reached.
Action 1: Conducting workshops/hands on training sessions on latest softwares/modules. Action 2: Students were motivated to choose the projects in domains where modern tools are applied.			

PO6: The engineer and society			
PO6	2.10	2.08	The Target value of attainment is not reached
<p>Action 1: Students were encouraged to develop solutions for energy conservation/reduced utilization for society.</p> <p>Action 2: Students are encouraged to carry out inter domain projects so that they would realize the importance of a project involving society, safety, health, and the legalities.</p>			
PO7: Environment and sustainability			
PO7	2.10	2.18	The Target value of attainment is reached.
<p>Action 1: Students were encouraged to participate and practice various flag ship programs initiate by government like Haritha haram and usage of Electric Vehicles.</p> <p>Action 2: Awareness programs on energy conservation may be organized.</p>			
PO8: Ethics			
PO8	2.10	2.04	The Target value of attainment is not reached
<p>Action 1: Guest lectures of eminent speakers from “Heartfulness” may be organized to inculcate positive thinking and follow ethics.</p> <p>Action 2: Students are to be encouraged to undergo internships to get acquainted the standard engineering practices.</p>			
PO9: Individual and team work			
PO9	2.10	2.24	The Target value of attainment is reached
<p>Action 1: Students may be encouraged to publish papers on the projects carried out.</p> <p>Action 2: Participation of the students in activities organized by professional chapters and student clubs has to be improved.</p>			
PO10: Communication			
PO10	2.10	2.09	The Target value of attainment is not reached
<p>Action 1: Percentage of students participations in Ideathons/Hackathons/Technical fests in inter and intra college events is to be increased. Mentors and faculty are advised to take up this responsibility.</p> <p>Action 2: Making the students to do online certification courses for the communication improvement.</p>			
PO11: Project management and finance			
PO11	2.10	2.14	The Target value of attainment is reached
<p>Action 1: Students may be encouraged to do projects in energy auditing and cost estimation.</p> <p>Action 2: Encourage to become entrepreneurs with the help of EDC cell.</p>			
PO12: Life-long learning			

PO12	2.10	2.23	The Target value of attainment is reached
Action 1: Students may be habituated to Self-learning by doing various certification programs.			
Action 2: In house Lectures may be organized emphasizing the importance of lifelong learning.			

*Table 7.1***PSOs Attainment Levels and Actions for improvement – (2015-2019)**

PSOs	Target Level	Attainment Level	Observations
PSO1: Conceptualize electrical and electronics systems, employ control strategies for power electronics related applications to prioritize societal requirements.			
PSO1	2.10	2.48	The attainment level is reached. The same approach was adopted for the next year.
Action 1: Encourage to participate and organize student forums and workshops.			
Action 2: Students are encouraged to publish research papers in various national and international journals/conferences.			
PSO2: Apply the appropriate techniques and modern engineering hardware and software tools in electrical engineering to engage in multi-disciplinary environments.			
PSO2	2.10	2.34	The attainment level is reached. The same approach was adopted for the next year.
Action 1: Students are exposed to application to multi-disciplinary skills in Electrical and Electronics domain.			
Action 2: Students are encouraged to work on multi-disciplinary areas in their Mini/Major projects.			

*Table 7.2***7.2. Academic Audit and actions taken thereof during the period of Assessment (15)**

Academic Audit is done in the department both internally and externally for the continuous improvement of the department. Academic audit committee (internal) consisting of three faculty members from other departments, constituted to monitor the activities in every year. This evaluation helps in the continuous improvement of department. External auditing is done by three staff members from other universities/colleges in vicinity to improve skill and knowledge-based education.

The following is the process adopted for auditing. Each faculty member is provided with a copy of the specific work in academic audit form for theory, lab courses and other Academic activities by one week in advance. They have to arrange all the documentary evidence in the order mentioned

below on a designated date. The HoD and other two staff members will check all the files and contents provided by the faculty. If there is any incompleteness of work, specific staff is intimated to complete it. The exercise is normally carried out once in a year. Both Internal and External Audit committee visits the department and verify the files with given format provided. They will prepare a consolidated report and it is sent to Director/Principal for suggestions. The report is forwarded to PAC and DAB for discussions and suggestions. A departmental meeting is conducted to implement the suggestions and take all precautions to efficiently implement the necessary changes as per audit report.

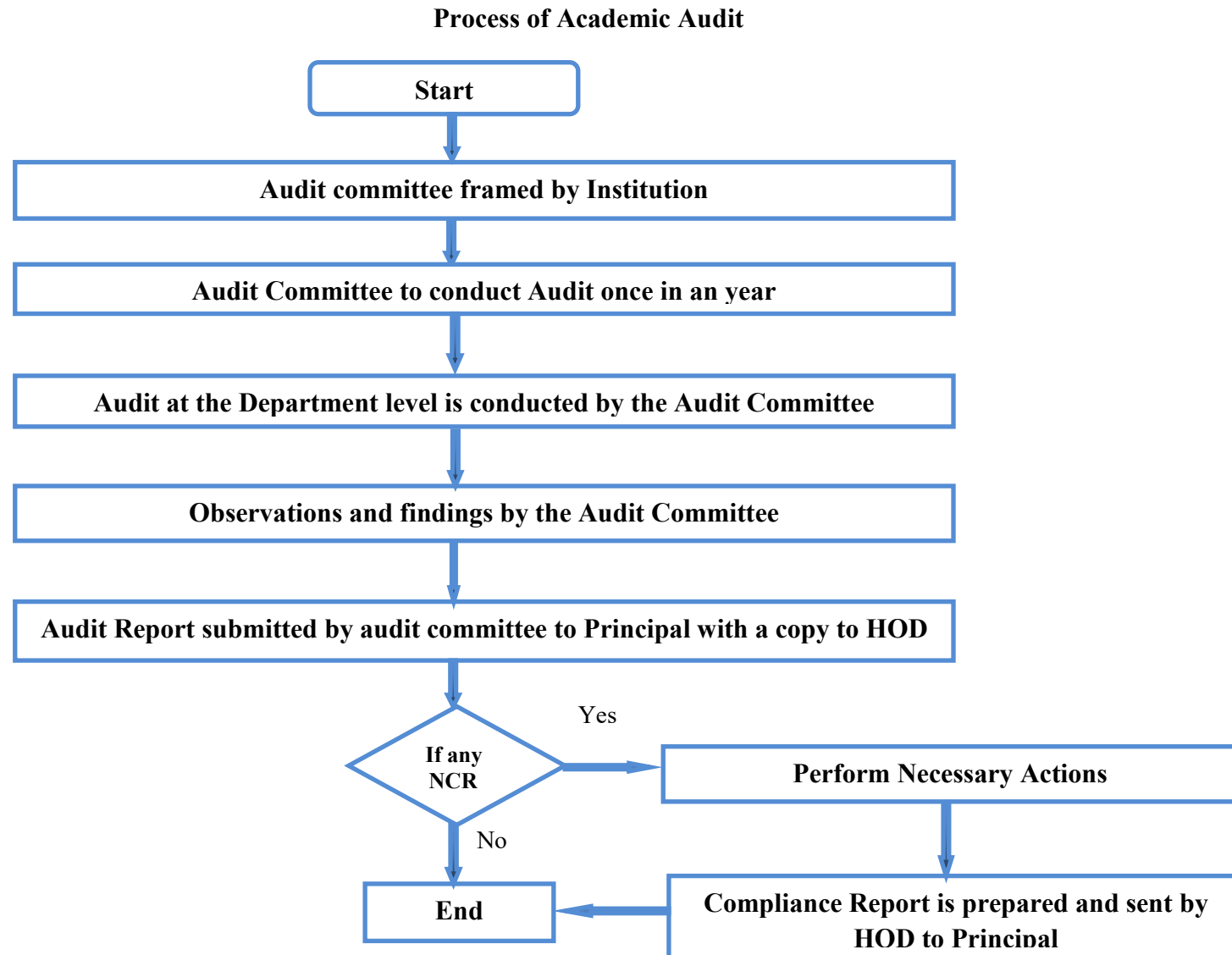


Fig 7.2(a) Internal & External Academic Audit Process

The functioning of the department is properly reviewed by

- Department advisory board (DAB)
- Academic Review Committee

Internal Quality Assurance committee is the institutional level committee looking after the quality assurance in academics. This committee appoints the Academic review committee which takes care of complete academic audit.

The process of Academic audit intends to monitor and enhance the quality of technical education through proper guidelines for both teaching faculty and students keeping in view Outcome Based Education.

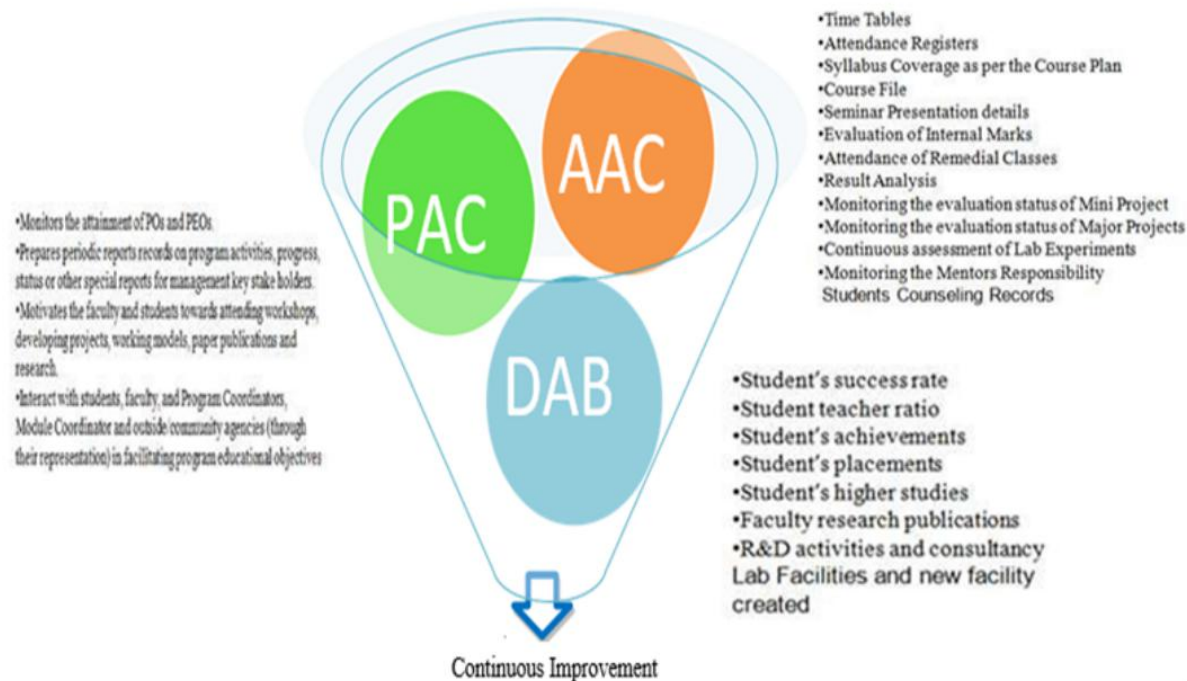


Fig 7.2(b) Quality parameters for continuous improvement

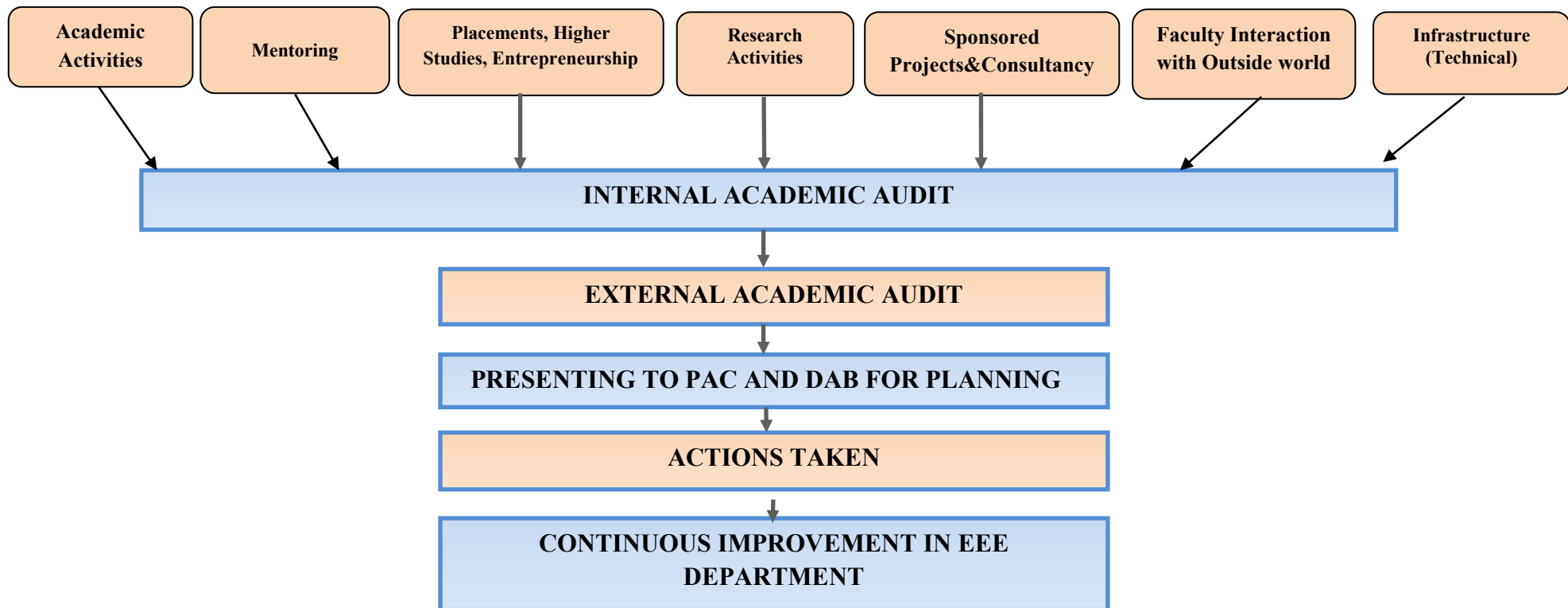


Fig 7.2(C) Continuous improvement

The following documents are made available during department Academic Audit

- Time Tables
- Attendance Registers
- Teacher Qualification, Designation and Experience
- Teacher Student Ratio

- Syllabus Coverage as per the Course Plan
- Course Files
- Seminar Presentation Details
- Evaluation of Internal Marks
- Attendance of Remedial classes
- Result Analysis
- Monitoring the Evaluation Process of Mini Projects
- Monitoring the Evaluation Process of Major Projects
- Students Counseling Records
- Patents
- Research grants
- Consultancy
- Publications
- Faculty serving National and International committees
- Awards received by Faculty
- Faculty guiding Research
- Higher Studies
- FDP, Conferences, Workshop and Short-term training
- Infrastructure and Laboratory Details
- Research Labs
- Placement Activities
- Quality Improvement – 1. Minutes of Department meetings, 2. Best Practices Implemented and Innovations by faculty / student, 3. Strength, Weakness, Opportunities and Challenges (SWOC)

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Department of Electrical and Electronics Engg
Course File Inspection Proforma for Theory

Name of the Audit Faculty: _____ Dept. of Faculty: _____
 Name of the Course: _____ Academic Year: _____
 Department for which course is offered: _____ Year: Sec: A / B / C

S. No.	Parameter	Remarks
1.	Student Roll list	
2.	Schedule of Classes (Time Table)	
3.	Syllabus	
4.	Course Objectives & outcomes (As per Blooms Taxonomy)	
5.	CO – PO Mapping (Justification if Required)	
6.	Teaching Schedule	
7.	Academic Calendar	
8.	Course Handout	
9.	Assignment Questions (According to OBE/Blooms)	
10.	MID Question papers 1 & 2 with key	
11.	Previous Question Papers	
12.	Sample Copies (Best/Average/Worst) of Assignment	
13.	Sample Copies (Best/Average/Worst) of Midterm Exams	
14.	Assessment Sheet – CO wise (Direct Attainment)	
15.	Course end Survey form	
16.	Calculation of Indirect attainment	
17.	Topics covered under Content beyond Syllabus (Gap)	
18.	Innovations in Teachings	
19.	Course Closure Report	

Any other Suggestions: _____
 Signature of Faculty _____
 Date: _____

Signature of Academic Audit Committee Chair _____

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Department of Electrical and Electronics Engg
Course File Inspection Proforma for LAB

Name of the Faculty:

Dept. of Faculty:

Name of the Course:

Academic Year:

Department for which course is offered:

Year: Sec: A / B / C

S. No.	Parameter	Remarks
1.	Student Roll list	
2.	Schedule of Classes (Time Table)	
3.	Syllabus (List of Experiments)	
4.	Course Objectives & outcomes (As per Blooms Taxonomy)	
5.	CO – PO Mapping (Justification if Required)	
6.	Lab Course handout	
7.	Teaching Schedule (As per Lab Experiment Conducted)	
8.	Lab Assessment Sheet (Booklet)	
9.	Lab Assessment Rubrics	
10.	Lab Manual	
11.	Sample Observation Books (Best/Average/Worst)	
12.	Sample Lab Records (Best/Average/Worst)	
13.	Assessment Matrix – CO wise (Direct Attainment)	
14.	Course end Survey form	
15.	Calculation of Indirect attainment	
16.	Topics covered under Content beyond Syllabus (Gap)	
17.	Innovations in Teachings	
18.	Course Closure Report (Experiment Wise)	

Signature of Faculty

Signature of Academic Audit Committee Chair

Date:

Sample Copy of Academic Audit



Vidya Jyothi Institute of Technology

(An Autonomous Institution)
 (Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTU(H))
 Aziznagar Gate, C.B. Post, Hyderabad-500 075

INTERNAL ACADEMIC AUDIT
 (2019 - 20)

Date of Academic Audit : 8-06-2020

1.	Name of the Department	EEE												
2.	Year of Establishment	1999												
3.	Names of Programmes offered (Mention with Intake)	Electrical and Electronics Engineering Intake : 120												
4.	A) Number of Teachers	<table border="1"> <thead> <tr> <th>Designation</th> <th>Existing</th> </tr> </thead> <tbody> <tr> <td>Professor</td> <td>5</td> </tr> <tr> <td>Associate Professors</td> <td>8</td> </tr> <tr> <td>Asst. Professors</td> <td>19</td> </tr> <tr> <td>Others</td> <td>-</td> </tr> </tbody> </table>	Designation	Existing	Professor	5	Associate Professors	8	Asst. Professors	19	Others	-		
Designation	Existing													
Professor	5													
Associate Professors	8													
Asst. Professors	19													
Others	-													
	B) Teaching Experience of the Faculty in the Institute	<table border="1"> <thead> <tr> <th>Tenure</th> <th>No. of Teachers</th> </tr> </thead> <tbody> <tr> <td>More than 5 Years</td> <td>17</td> </tr> <tr> <td>More than 3 Years</td> <td>9</td> </tr> <tr> <td>Between 2 to 3 Years</td> <td>2</td> </tr> <tr> <td>Between 1 to 2 Tears</td> <td>4</td> </tr> <tr> <td>Below 1 Year</td> <td>0</td> </tr> </tbody> </table>	Tenure	No. of Teachers	More than 5 Years	17	More than 3 Years	9	Between 2 to 3 Years	2	Between 1 to 2 Tears	4	Below 1 Year	0
Tenure	No. of Teachers													
More than 5 Years	17													
More than 3 Years	9													
Between 2 to 3 Years	2													
Between 1 to 2 Tears	4													
Below 1 Year	0													
5.	Student Teacher Ratio	1:12.85												
	Number of faculty having Ph.D	5												
	Number of faculty registered for Ph.D	12												

6. Grants/Funds Received for Research/FDPs/STTPs/Workshops etc.

I. PROJECTS GRANTED IN THE CURRENT ACADEMIC YEAR

a). Number of Research Grants only:
 b). Number of Faculty Development Grants:
 c). Research Grants received:
 d). Faculty Development Grants received :

Name of funding agencies	Category of the funding Agency (GOVT/Non GOVT funding agencies/ individuals)	Name of the Faculty	Purpose of the Grant Research/ FDP/ STTP/ Workshop	Funds/Grants received (INR in lakhs)	Collaboration (National / Inter National)
AICTE	Govt agency	Dr C.N. Rawi	STTP	2.71	National

II. ONGOING PROJECTS

—	—	—	—	—	—

7. Special research laboratories sponsored by / created by industry or corporate bodies

8. Publications (List is to be attached)

Number of Papers published in Journals	24
Number of Papers published in Book Chapters/Conferences	8
Number of Books with ISBN	0
Average Citation Index	6
Average Impact Factor	0
h-index	2

9. Details of patents

Name of the Faculty	Topic	Obtained / Published / Filed	Product
—	—	—	—

10.	Areas of consultancy and income generated	
	Areas of consultancy	Income generated
	—	—
11.	Faculty serving in National committees b) International committees c) Editorial Boards d) any other (please specify)	
	Name of the Faculty	Name and details of the committees
	Drs. A. Sujana	Paper Reviewer of the International Conference ICTIEE-2020 on 5 th to 8 th 2020 conducted at AU, Hyderabad.
	Drs. A. Sujana	Session Chair for the International Conference ICTIEE-2020 on 5 th to 8 th Jan 2020, conducted at AU, Hyderabad.
	Drs. D. B. G. Reddy	JNTUH-SCM Committee Member
Drs. C. N. Ravi	Reviewer for the following Journals 1. Journal of Engineering Education Transformation (JEET) 2. Artificial Intelligence in Medicine 3. Journal of ambient intelligence and humanized computing 4. Microprocessor and Microsystems	
12.	How many students have cleared Civil Services and Defense Services examinations, GATE and other competitive examinations	
	Name of the Student	Name and details of the Examinations
	P. Divya Sree	GRE/TOFEL/ILETS-2020
	B. Vijay Kumar	PGECET-2020
	G. Venkata Mazuthi Rao	GRE/TOFEL/ILETS-2019
	G. Vinay Reddy	GRE/TOFEL/ILETS-2019
	K. Tejaswini	ICET-2020
13.	Faculty recharging strategies (Orientation programs, workshops, training programs and similar programs)**	
	1. FDPs attended by the faculty (i) National: 65 (ii) International: 01 2. Conferences attended (i) National: 01	

(ii) International: 0%

3. Workshops attended
 (i) National: 15
 (ii) International: 0

4. Short Term Training attended
 (i) National: 05
 (ii) International: 0

****Attach a separate sheet for details**

14. Student projects

Percentage of students who have done in-house projects including inter-departmental projects	98%
Percentage of students doing projects in collaboration with other universities/industry/institute	2%

15. Awards/recognitions received at the national and international level by Faculty
 Doctoral/post doctoral fellows Students

Name of the Award/Recognition received	National/International	Name of the Faculty/Student	Faculty/Student
Best Teacher award by ESN Award, India	National	Dr. C. N. Ravi	Faculty
Best Head of the Department by ESN Award, India	National	Dr. S. Siva Prasad	Faculty

16. Faculty Guiding Research

From the host institution / university	-
From other institutions / universities	5

17.	Infrastructure And Laboratory Details:	
	Number of Class Rooms With ICT Facilities	7
	Number of Class Rooms Without ICT Facilities	-
	Number of Tutorial Rooms	2
	Number of Student Laboratories With Names and Stock Verification	12

Room No	Name of the Lab
N306	Electrical Circuite Lab
N104	Basic Simulation & Tools Lab
N001	Electrical Machines -I Lab
N202	Electronic Devices and Circuite Lab
N003	Electrical Machines -II Lab
N301	Control systems & Simulation Lab
N102	Power Electronics & Simulation Lab
N201	Electrical Measurements Lab
N104	Power & Energy Systems Lab-I
N002	Power & Energy Systems Lab-II
N004 & E314	Basic Electrical Engineering Lab

Number of Research Laboratories	
S.No.	Name of the Research Laboratory
1.	Power Systems and Energy Research Lab
2.	Power Electronics & Drives Research Lab

Number of Softwares Available	
Name and details of the Software	No of Users
Matlab Licensed Software	15
PSPICE	10
ETAP	15
Number Of Computers In Student Laboratories	32
Number Of Computers For Faculty And Office	5
Books In Department Library	214
Internet Facilities	200Mbps




18.	Placement Activities :
	No. of companies Visited
	No. of Placements offered
	Average Salary offered
	Off campus placements (%)
	On campus Placements (%)
	Existence of training & Placement Office in the Institute :

19.	Quality Improvement			
S.No	Parameter	Incharge	Status (YES/NO)	File Name/File No
a).	Minutes of the Department Meetings	P. Nageswara Rao	YES	EEE MOM
b).	Best practices implemented	B. Sudhakar Reddy	YES	EEE-BP
c).	Innovations by faculty/ students	A. Sri Latha	YES	NBA-S.C
d).	Student Mentoring	S. Chaitanya	YES	NBA-9
e).	Strengths, Weaknesses, Opportunities and Challenges (SWOC)	Dr. A. Sujana	YES	EEE-SWOC

	17-02-2020	A1, A2, A3, A4, A5, A6, A7, A8	B. Rajesh
	17-02-2020	A9, A10, A11, A12, A13, A14, A15, A16	B. Sudhakar Reddy
	18-02-2020	B1, B2, B3, B4, B5, B6, B7	Dr. C. N. Ravi
	18-02-2020	B8, B9, B10, B11, B12, B13	B. Sudhakar Reddy
23	Monitoring the Evaluation Process of Major-Projects		
	Review Date	Project Batches	Faculty Incharges
	27-02-2020	A1, A2, A3, A4, A5, A6, A7, A8	B. Rajesh
	27-02-2020	A9, A10, A11, A12, A13, A14, A15, A16	B. Sudhakar Reddy
	29-02-2020	B1, B2, B3, B4, B5, B6, B7	Dr. C. N. Ravi
	29-02-2020	B8, B9, B10, B11, B12, B13	B. Sudhakar Reddy

COMMENTS OF THE AUDITORS:

- 1) suggested all the faculty members to register for NPTEL courses
- 2) suggested the department to get consultancy.
- 3) student paper publications need to improve.
- 4) student placements in core company need to improve.

Auditors	Signature
Auditor-1 Name: R. M. N. Rao Designation: R. J. M. A. Department: IT-Dept. Date: 9/6/2020	
Auditor-2 Name: Dr. K. Ramesh Babu Designation: Professor Department: CSE Date: 8/6/2020	
Auditor-3 Name: Dr. M. Anand Designation: Professor Department: Physics Date: 8-6-2020	

7.3 Improvement Placement, Higher Studies and Entrepreneurship (10)

Assessment is based on improvement in:

- Placement: number, quality placement, core industry, pay packages, etc.
- Higher studies: performance in GATE, GRE, GMAT, CAT etc. and admission in premier institutions
- Entrepreneurs

S.No	Academic Year	No. of Final Year Students	Placements	Higher Studies	Entrepreneurship	Total	%
1	2020-2021	122	79	4*	1	84	68.85
2	2019-2020	101	59	5	3	67	66.33
3	2018-2019	126	63	5	3	71	56.34
4	2017-2018	108	62	7	2	71	65.74

Table 7.3

* Still students of 2020-21 batch have taken LORs from various professors and applied to universities and waiting for admission.

7.4. Improvement in the quality of students admitted to the program (20)

Assessment is based on improvement in terms 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	2020-21	2019-20	2018-19	2017-18
National Level Entrance Examination JEE	No of students admitted	0	0	1
	Opening Score/Rank	0	0	224517
	Closing Score/Rank	0	0	224517
State/ University/ Level Entrance Examination/ Others EAMCET	No of students admitted	59	74	105
	Opening Score/Rank	23237	25785	18145
	Closing Score/Rank	83068	98045	98231
Name of the Entrance Examination for Lateral Entry or lateral entry details ECET	No of students admitted	30	25	27
	Opening Score/Rank	170	296	151
	Closing Score/Rank	2027	3971	2056
Average CBSE/Any other board result of admitted students (Physics, Chemistry&Maths)	83.6	82.5	81.34

Table 7.4

CRITERION 8	FIRST YEAR ACADEMICS	50
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8.1. First Year Student-Faculty Ratio (FYSFR) (5)

Name of the faculty Member	PAN No.	Qualification	Date of receiving highest degree	Area of Specialization	Designation	Date of Joining	Teaching Load (%)			Currently Associated (Yes/No)	Nature of Association Reg/Contract	Date of leaving
							CAY	CAY m1	CAY m2			
Dr D. Indira Priyadarshini	BGJPD6392Q	M.A, Ph.D	24/05/2016	Developing Writing Skills ELT	Professor	03/07/2013	100	100	100	YES	Regular	-
Dr.Murali Vemula	ADRPV4192L	M.A Ph.D	17/02/2020	English Common Wealth Literature	Associate Professor	07/07/2014	100	100	100	YES	Regular	-
Mrs.Sujatha Macha	AMBPM8783H	M.A	06/06/2004	English	Associate Professor	3/10/2012	100	100	100	YES	Regular	-
Dr.Rampalli Padma	CBBPK7839P	MA PhD	03/01/2020	Indian writing in English	Associate Professor	12/09/2013	100	100	100	YES	Regular	-
Mr.Surender Allam	ALXPA6236A	M.A	04/04/2002	English Literature	Assistant Professor	01/08/2014	100	100	100	YES	Regular	-
Mrs. Kurmapu Sree Vani	BQZPK6098J	M.A	04/06/1996	English Literature	Assistant Professor	03/08/2016	100	100	100	YES	Regular	-
Mrs.Jasti .Sreedevi	AZLPJ8012F	M.A	10/05/1997	English	Assistant Professor	21/10/2016	100	100	100	YES	Regular	-
Mr. Rudraboina Vijay Kumar	BKUPR9166B	M.A	05/06/2013	English	Assistant Professor	04/04/2016	100	100	100	YES	Regular	-
Mrs. M. Hepsiba George	BAVPGO116R	M.A	14/09/2016	English Literature	Assistant Professor	11/07/2018	100	100	100	YES	Regular	-
Mr. S Shafiulla Basha	DIJPS4549N	M.A.	21/01/2013	English Literature	Assistant Professor	31/07/2019	100	100	0	YES	Regular	-

Dr. Prabhakara Sastry Rangavajhala	ANQPR4979L	M.A Ph.D	10/06/2013	English literature	Associate Professor	07/08/2019	0	100	0	NO	Regular	30/06/2020
Dr. N Susheel Kumar	CDCPK8086R	M.A Ph.D	23/12/2019	Applied Linguistics	Associate Professor	05/07/2019	100	100	0	NO	Regular	30/06/2021
Mr. Paola Peter Beligraham	BRAPP4028B	MA	13/02/2012	English language Teaching	Assistant Professor	01/07/2019	100	100	0	YES	Regular	-
Dr. Lakshmi Narayan Kunderu	ALTPK9283D	M. Sc, Ph. D	15/10/2005	Mathematical Modeling	Professor	22/10/2018	100	100	100	YES	Regular	-
Dr. Dindigala Raju	APIPD2241M	M.Sc, Ph.D	05/12/2011	Thermodynamics & Fluid Dynamics	Associate Professor	08/05/2008	0	100	100	NO	Regular	30/06/2020
Dr. Ravi Ramakrishna	AEVPR9521C	M. Sc, Ph. D	18/10/2011	Statistics	Professor	29/10/2001	100	100	100	YES	Regular	-
Mrs.Srilatha Gorthi	ALEPG0835C	M.Sc	11/06/1989	Statistics	Associate Professor	16/06/2012	100	100	100	YES	Regular	-
Dr.Sitarambabu Badeti	AITPB1502B	M. Sc, Ph. D	19/11/2016	Mathematical Modelling	Associate Professor	11/10/2014	0	100	100	NO	Regular	30/06/2020
Mr.Anagandula Sadanandam	ANQPA3005J	M.Sc	24/04/2006	Pure mathematics	Assistant Professor	08/09/2008	100	100	100	YES	Regular	-
Mr.Javini Govardhan Reddy	ANKPJ7022L	M.Sc	15/07/1999	Applied Mathematics	Associate Professor	03/03/2015	100	100	100	YES	Regular	-
Mrs.Mandala Parthi Nagalakshmi Anuradha	AHOPC8555H	M.Sc	15/07/1999	Applied Mathematics	Associate Professor	03/09/2015	100	100	100	YES	Regular	-
Mrs.Chakrala Sridevi	ARWPV8749E	MSc	06/06/2006	Mathematics	Assistant Professor	25/06/2014	100	100	100	YES	Regular	-
Mrs.Fouzia Tabassum	ABWPF4489P	M.Sc	25/04/2011	Applied Mathematics	Assistant Professor	10/01/2012	100	100	100	YES	Regular	-
Mrs.Rampalli V N Udayasree	BCCPR7689M	M.Sc	20/07/2005	Mathematics	Assistant Professor	08/02/2016	100	100	100	YES	Regular	-
Dr. Kanaparti Kondala Rao	BQHPK9573L	M.Sc, Ph. D	12/10/2018	Mathematical Modelling	Associate Professor	10/08/2017	100	100	100	YES	Regular	-
Dr.Paduru	ABKPP2316F	M.Sc, Ph.D	20/04/1981	Physics	Professor	02/09/2009	100	100	100	YES	Regular	-

Venugopal Reddy												
Mr.Ravi Venkata Chalam	AEAPR0440K	M.Sc	23/06/1997	Physics	Associate Professor	10/10/2010	100	100	100	YES	Regular	-
Dr.Mahesh Rajendran	ATSPM2918E	M.Sc, Ph.D	24/04/2015	Electronic band structure calculations	Associate Professor	22/09/2014	100	100	100	YES	Regular	-
Dr.AnandPandarinath M	AVKPA8332J	M.Sc Ph.D	24/01/2017	Material Science	Professor	06/07/2015	100	100	100	YES	Regular	-
Mr. Chandu G	AKXPG4820D	M.Sc	20/04/2003	Pure Mathematics	Assistant Professor	20/08/2018	100	100	100	YES	Regular	-
Mrs.GeetadeviWarad	AVUPJ3617K	M.Sc	10/06/2007	Physics	Assistant Professor	01/08/2012	100	100	100	YES	Regular	-
Dr. Mamilla Laxmi	AVOPM7626D	M.Sc, Ph.D	29/08/2017	Physics	Associate Professor	19/01/2017	100	100	100	YES	Regular	-
Mr.Sagar Elle	ABBPE9438Q	M.Sc	25/04/2008	Physics	Assistant Professor	01/12/2014	100	100	100	YES	Regular	-
Mrs. Naga Kumari Gogisetty	ATFPG9932K	M.Sc	25/04/2007	Solid state Physics	Assistant Professor	11/09/2013	100	100	100	YES	Regular	-
Dr.A.Padmaja	ACIPM3453H	ME/M.Tech, Ph.D	20/05/1997	Bio Technology	Professor	02/01/2012	100	100	100	YES	Regular	-
Mrs.AnnapurnaPaturi	AGRPA2024K	M.Sc	25/07/1983	Chemistry	Associate Professor	29/08/2011	100	100	100	YES	Regular	-
Mrs.RamyasudhaPemmada	BGCPP1354F	M.Sc	02/06/2007	Chemistry	Assistant Professor	08/10/2009	100	100	100	YES	Regular	-
Mr.RachalaMuralidhar Reddy	AUPPR1320P	M.Sc	15/05/2008	Organic Chemistry	Assistant Professor	24/06/2013	100	100	100	YES	Regular	-
MrBaikaniNarsimlu	CQUPB5343P	M.Sc	12/06/2015	Organic Chemistry	Assistant Professor	19/12/2016	0	100	100	NO	Regular	31/01/2020
Mrs.Polturi Rama Devi	BJOPP2371K	M.Sc	08/05/2003	Organic Chemistry	Assistant Professor	09/08/2017	100	100	100	YES	Regular	-
Mrs. G Sujatha	FXCPS9141E	M.Sc	15/05/2008	Organic Chemistry	Assistant Professor	23/01/2019	100	100	100	YES	Regular	-

Mrs. Saritha B	BNUPK1117J	M.Sc	10/06/2005	Organic chemistry	Assistant Professor	04/10/2018	100	100	100	YES	Regular	-
Dr. P. Suresh	CMVPP5636C	M.Sc Ph.D.	27/01/2015	Inorganic chemistry	Associate Professor	13/08/2018	100	100	100	YES	Regular	-
Mrs. Prathima	BPEPA8214C	ME/M. Tech	10/01/2010	CSE	Assistant Professor	01/05/2018	100	100	100	YES	Regular	-
Mr M. Praveen	AUOPM5179Q	ME/M. Tech	21/03/2012	Software Engineering	Assistant Professor	16/06/2012	0	100	100	YES	Regular	08/06/2020
Dr. Elizebeth Kamala	ABBPE1217D	M.A. Ph.D.	17/03/2019	English Language and Literature	Assistant Professor	18/07/2017	0	0	100	NO	Regular	31/07/2019
Dr. Ramesh Babu Jampana	AHOPJ2897F	M.A. Ph.D.	18/05/2018	Physical Education	Associate Professor	04/08/2003	100	100	100	YES	Regular	-
Mr. Arutla Ravi Kumar	BFGPA8907N	MA	06/07/2015	Sociology	Assistant Professor	18/07/2011	100	100	100	YES	Regular	-
Mr. Victor John Alexander	AKDPV6668G	MA	07/06/2008	Library Science	Assistant Professor	02/07/2015	100	100	100	YES	Regular	-
Dr.Sathyanarayana Reddy Bussa	AEQPB4177F	M.Sc, Ph.D	06/06/1989	Botany	Professor	29/09/2009	0	100	100	YES	Regular	31/05/2020
Mrs.SuneethaYedla	AFLPY4051R	M.Sc	09/06/2008	Environmental science	Assistant Professor	18/07/2011	100	100	100	YES	Regular	-
Md. Sharmila K	CWCPK0109G	M Sc	21/04/2004	Chemistry	Assistant Professor	10/04/2015	100	100	100	YES	Regular	
Dr.Mohammad Nazeerunnisa	CCPPS1205Q	M.Sc Ph.D	19/03/2019	Chemistry	Associate Professor	02/07/2014	100	100	100	YES	Regular	
Dr. DeepankarSenguptha	ATFPS0892P	MSc Ph.D	15/05/1998	Physics	Professor	15/09/2011	0	100	100	NO	Regular	09/01/2020
Dr. Sadhu Srinivas Rao	CLCPS4172E	MSc, Ph.D	12/04/2010	Chemistry	Associate Professor	14/07/2014	0	100	100	NO	Regular	25/01/2020
Dr. Kondaiah Gari Chalapathi	AWXPK1276B	MSc Ph.D	15/06/2010	Environmental sciences	Professor	04/10/2015	0	100	100	NO	Regular	14/01/2020
Ms.M.Lavanya	CTHPM1004Q	MSc	15/07/2003	Mathematics	Assistant Professor	02/11/2020	100	0	0	YES	Regular	-

Dr.V.Rajendar	AKBPV0300M	MSc PhD	28/07/2018	Physical Chemistry	Assistant Professor	05/09/2018	100	100	100	YES	Regular	-
Dr.K.Sareen Raj	DYQPK4527P	M.A Ph D	20/06/2014	Literature	Associate Professor	02/06/2018	100	100	100	YES	Regular	
Mr.M.Durga Prasad	AQNPM6884H	MSc	20/06/2004	Fiber Optical Communication	Assistant Professor	05/07/2018	100	100	100	YES	Regular	
Mr.D.Naveen	EZEPD0847P	MSc	15/06/2018	Opto Electronics	Assistant Professor	12/07/2018	100	100	100	YES	Regular	
Mr.P Venkateswara Reddy	AEVPP2784B	MSc	01/07/1975	Solid State Physics	Associate Professor	24/10/2013	0	100	100	NO	Regular	30/06/2020
Mr.N.Phani Kumar	AOWPN8387D	ME/M. Tech	20/08/2013	Information Technology	Assistant Professor	08/05/2018	100	100	100	YES	Regular	-
Ms.K.Bhavya	COKPK8396B	ME/M. Tech	20/07/2019	CSE	Assistant Professor	11/12/2019	100	100	0	YES	Regular	-
Mr.A.Sudarshan	BDWPA1757Q	ME/M. Tech	15/01/2015	CSE	Assistant Professor	01/05/2018	100	100	100	YES	Regular	-
Mr.Y.Anjaiah	AHLPY2845B	ME/M. Tech	16/11/2014	Software Engineering	Assistant Professor	01/05/2018	100	100	100	YES	Regular	-
Ms.T.Mounica	BNOPT4130N	ME/M. Tech	22/07/2019	CSE	Assistant Professor	08/08/2019	100	100	0	YES	Regular	-
Sk.Sameerunnisa	BXVPS2870M	ME/M. Tech	25/10/2010	CSE	Assistant Professor	23/05/2012	0	0	100	NO	Regular	30/04/2019
Ms.P.Lakshmi Sony	BEXPP2666D	ME/M. Tech	18/11/2012	CSE	Assistant Professor	05/12/2018	100	100	100	YES	Regular	-
Ms.Lakshmi Hugar	APVPH1066F	ME/M. Tech	22/05/2016	CSE	Assistant Professor	03/12/2018	100	100	100	YES	Regular	-
Ms.S.Vandana	AISPV0296K	ME/M. Tech	18/09/2018	CSE	Assistant Professor	19/10/2018	100	100	100	YES	Regular	-
Mrs. Aruna Kumari	BAHPA6721L	ME/M. Tech	14/12/2015	EPS	Assistant Professor	04/06/2016	100	100	100	YES	Regular	-
Mr.A.Praveenkumar	BBNPP5769N	ME/M. Tech	22-12-2016	EPS	Assistant Professor	02/01/2017	100	100	100	YES	Regular	-

Mr. P.Hemanth kumar	CAOPP6530N	ME/M. Tech	22/12/2016	EPS	Assistant Professor	02/01/2017	100	100	100	YES	Regular	-
Mr. P.Satheesh	BTMPP8984J	ME/M. Tech	01/08/2015	EPS	Assistant Professor	04/01/2017	100	100	100	YES	Regular	-
Mrs. G.Prasanna	BPCPP9584N	ME/M. Tech	22/12/2013	PE & PS	Assistant Professor	02/07/2018	100	100	100	YES	Regular	-
T Sarada	AKYPT7975M	ME.MTech	20/11/2012	Soil Mechanics and foundation Engineering	Assistant Professor	01/06/2016	100	100	100	YES	Regular	-
A D Sandeep Kumar	CTYPK6029E	ME.MTech	15/10/2014	Highway Engineering	Assistant Professor	21/07/2016	100	100	100	YES	Regular	-
S Raghavendra	GBLPS5523Q	ME./MTech	18/07/2015	Transportation Engineering	Assistant Professor	19/10/2016	100	100	100	YES	Regular	-
I Praveen Kumar Reddy	ACYPI7325Q	ME./MTech	22/01/2015	Infrastructural Engineering	Assistant Professor	16/11/2016	100	100	100	YES	Regular	-
V Swathi	EHNPS6092G	ME./MTech	12/12/2016	Structural Engineering	Assistant Professor	30/12/2016	100	100	100	YES	Regular	-
Vithal Biradar	AXNPV3442R	ME./MTech	12/12/2016	Structural Engineering	Assistant Professor	02/01/2017	100	100	100	YES	Regular	-
K Roja	BFMPK8786B	ME.MTech	15/11/2016	Structural Engineering	Assistant Professor	04/01/2017	100	100	100	YES	Regular	-
G Sathya Prakash	BEEPG8379B	ME./MTech	15/07/2017	Structural Engineering	Assistant Professor	01/08/2017	100	100	100	YES	Regular	-
S Nagarjuna	HOWPS2510J	ME./MTech	20/09/2018	Structural Engineering	Assistant Professor	20/11/2018	100	100	100	YES	Regular	-
V.Ramalingeswara Rao	ABHPV8255G	ME./MTech	30/09/1995	Production Engineering	Assistant Professor	09/07/2010	0	100	100	NO	Regular	30/06/2020
S. Suneel Kumar	BTQPS1324B	ME./MTech	30/09/2005	Advanced Manufacturing Systems	Assistant Professor	30/05/2011	0	100	100	NO	Regular	30/06/2020
Mrs. Pasunuru Sreevani	BLTPS6564G	ME./MTech	01/11/2019	CAD CAM	Assistant Professor	20/02/2020	100	0	0	100	Regular	-

Mr.Saif Bin Abdullah	BITPA5865P	ME/.MTech	01/11/2019	CAD CAM	Assistant Professor	26/02/2020	100	0	0	100	Regular	-
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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 = $(5 \times 20) / \text{FYSFR}$ (Limited to Max. 5)
2018-19	1020	80	13	5
2019-20	1200	84	14	5
2020-21	1200	75	16	5
Average	1140	80	14	5

Table B.8.1

*Note: If FYSFR is greater than 25, then assessment equal to zero.

8.2. Qualification of Faculty Teaching First Year Common Courses (5)

Institute Marks: 5

Assessment of qualification = $(5x + 3y) / RF$, x = Number of Regular Faculty with Ph.D, y = Number of Regular Faculty with Post-graduate qualification RF = Number of faculty members required as per SFR of 20:1, Faculty definition as defined in 5.1

Year	X	Y	RF	Assessment of faculty qualification $(5x + 3y) / RF$
2018-19	16	51	51	4
2019-20	17	58	60	4
2020-21	18	58	60	4
Average Assessment: 4				

8.3. First Year Academic Performance (10)

Institute Marks: 6.53

Academic Performance = ((Mean of 1st Year 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.

Academic Performance	2019-20	2018-19	2017-18
Mean of CGPA or mean percentage of all successful students(X)	7.02	6.94	6.86
Total Number of successful students(Y)	73	92	94
Total Number of students appeared in the examination(Z)	74	105	98
API[X*(Y/Z)	6.93	6.08	6.58

Average API $[AP1+AP2+AP3]/3$: 6.53

Assessment = 1.5* Average API: 9.795

8.4. Attainment of Course Outcomes of first year courses (10)

Institute Marks: 5

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)

S.No.	Assessment tool	It's impact on course delivery/content	Relevance towards attainment of Course outcomes
1	Mid-I & Mid-II	Two mid examinations per semester. The Question Paper will set from the first 2.5 units for the first mid examinations. Mid—II is from the remaining 2.5 units The weightage of mid examination is 20 Marks Average of two mid examinations considered for final mid examination marks.	CO1, CO2, CO3, CO4, CO5
2	Assignment-1& Assignment-2	Assignment questions are used to assess the Course Outcomes. The weightage of Assignment is 5Marks.	CO1, CO2, CO3, CO4, CO5

3	Evaluation of performance in the laboratories	<p>In the laboratory hours continuous evaluation sheet is maintained to record the performance and regular activity of the student. This evaluation sheet record for 15 marks</p> <p>Internal Practical Examination will be conducted for 10 marks. The weightage of internal lab examinations is 25 marks.</p> <p>External lab Examination will be conducted for 50 marks.</p>	CO1, CO2, CO3, CO4, CO5
4	Semester End Examinations	The question papers will set and evaluated by the external examiners. The weightage is 75 marks.	CO1, CO2, CO3, CO4, CO5

8.4.2. Record the attainment of Course Outcomes of all first-year courses (5)

Institute Marks: 5

S.No	Assessment Tool	Maximum marks	Threshold level (%)	Attainment level Criteria	Attainment level
1	Midterm Exams	25	60%	At least 70% of attempted students exceed the threshold level (60%) marks.	3
				At least 60%-69% of attempted students exceed the threshold level (60%) marks.	2
				At least 50%-59% of attempted students exceed the threshold level (60%) marks.	1
2	Semester End Examinations	75	60%	At least 70% of attempted students exceed the threshold level (60%) marks.	3
				At least 60%-69% of attempted students exceed the threshold level (60%) marks.	2
				At least 50%-59% of attempted students exceed the threshold level (60%) marks.	1
3	Labs	75	60%	At least 70% of attempted students exceed the threshold level (60%) marks.	3

				At least 60%-69% of attempted students exceed the threshold level (60%) marks.	2
				At least 50%-59% of attempted students exceed the threshold level (60%) marks.	1

Direct Assessment Evaluation:**Assessment of course outcomes:**

Course outcome	Course outcome attainment level from internal assessment	Course outcome attainment level from university exams (Semester End Examinations)	CO Attainment
<i>CO Attainment</i>	$(\text{Mid-1} + \text{Mid-2}) / 2 = a_1$	b_1	$0.25 (a_1) + 0.75 (b_1)$

As per university/IQAC guidelines 25% weightage is given to internal assessment and 75% weight age is given to external exam assessment.

Academic Year: 2018-19										BATCH: 2015-19												
IV B.Tech-I Sem																						
Course: EC																						
Faculty:																						
S.No	Reg.No	MID I Threshold 60%									MID II Threshold 60%									Threshold 60% End Exam (75M)		
		ASM - I (5)	PART-A				PART-B				MID-I	ASM - II (5)	PART-A				PART-B				MID-II	
			Q1(2 M)	Q2(2 M)	Q3 A (1M)	Q3 B (1M)	Q4(5 M)	Q5(5 M)	Q6(4M)	Q1(2M)			Q2(2M)	Q3 A (1M)	Q3 B (1M)	Q4(4M)	Q5(5M)	Q6(5M)				
1	15911A0102	4	2	2	1	1	3	2	2	17	4	2	1	1	1	2	3	3	17	36		
2	15911A0103	5	2	2	1	1	2	2	3	18	5	2	2	1	1	4	5	4	24	55		
3	15911A0105	5	2	2	0	1	4	4	3	21	5	2	2	1	1	4	5	5	25	52		
4	15911A0106	3	2	1	1	1	2	2	2	14	4	2	2	1	1	2	4	4	20	41		
5	15911A0107	2	1	1	1	1	2	2	1	11	2	0	2	1	1	1	2	2	11	44		
6	15911A0108	5	2	2	1	1	4	3	3	21	3	2	2	1	1	2	3	3	17	40		
7	15911A0109	3	2	2	1	1	2	3	2	16	5	2	2	1	1	2	3	3	19	48		
8	15911A0111	4	2	2	1	1	4	4	4	22	5	2	2	1	1	4	5	5	25	58		
9	15911A0112	3	2	2	1	1	3	3	2	17	4	1	1	1	1	4	4	4	20	48		
10	15911A0113	4	2	2	1	1	3	3	2	18	5	2	2	1	1	4	5	4	24	49		
11	15911A0115	4	2	2	1	1	4	4	3	21	5	2	2	1	1	4	3	5	23	61		
12	15911A0117	5	2	2	1	0	3	3	3	19	5	2	2	1	1	4	4	4	23	58		
13	15911A0120	4	2	2	1	1	5	5	4	24	5	1	1	1	1	4	4	3	20	26		
14	15911A0121	4	2	2	1	1	3	3	2	18	4	2	2	1	1	4	4	4	22	51		
15	15911A0122	5	2	2	0	0	3	2	3	17	3	1	1	1	1	2	3	3	15	32		

Mage of Direct Assessment Sheet

In the process of Direct Assessment Evaluation,

Mid - I & Assignment-I are mapped with CO 1, CO 2 & CO3

CO 1 is mapped with question no 1,3 & 4 of mid - I question papers and Similarly, CO 2 is mapped with question no 2 ,3&5, CO 3 is mapped with question no 6.

For Mid-II & Assignment-II are mapped with CO 3, CO 4 & CO 5.

CO 3 is mapped with question no 4, CO 4 is mapped with questions no 1,3&5 and CO 5 is mapped with question no 2,3&6 of mid - II question papers.

ASSESSMENT OF CO's FOR THE COURSE						
CO	Method	value	Avg	CO Attainment (Internal)	CO Attainment (End Exam)	Overall CO Attainment
CO 1	ASM I	3	3.0	2.95	3.00	2.99
	MID I - PART A - Q1	3.0				
	MID I - PART A - Q3 A	3.0				
	MID I - PART B - Q4	3.0				
CO 2	ASM I	3	3.0			
	MID I - PART A - Q2	3.0				
	MID I - PART A - Q3 B	3.0				
	MID I - PART B - Q5	3.0				
CO 3	ASM I	3	2.8			
	ASM II	3.0				
	MID I - PART B - Q6	3.0				
	MID II - PART B - Q4	2.0				
CO 4	ASM I	3	3.0			
	MID II - PART A - Q1	3.0				
	MID II - PART A - Q3 A	3.0				
	MID II - PART B - Q5	3.0				
CO 5	ASM I	3	3.0			
	MID II - PART A - Q2	3.0				
	MID II - PART A - Q3 B	3.0				
	MID II - PART B - Q6	3.0				

Indirect Assessment Evaluation:

Assessment Tools	Assessment Frequency	Assessed by	Reviewed by	Assessing CO'S
Course End Survey	At the end of the Course	Course Coordinators & IAC	IAC	CO1 – CO5

8.5. Attainment of Program Outcomes from first year courses (20)**8.5.1. Indicate results of evaluation of each Relevant PO and/or PSO, if applicable (15)****PO Attainment:**

Course	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
A21002 Mathematics I	2.4	2.4	2.4	2.4	2.4	2.24	-	-	1.6	1.6	1.6	1.6
A21004 Chemistry	2.42	1.8	1.6	1.6	2.22	1.94	1.61	1.61	-	1.29	-	1.94
A21083 Chemistry Lab	3	2	1	1.7	2.75	2	1.75	1.2	1	1	-	2.4
A21001 English	-	2.3	2	3	-	2.48	1.99	1.99	2	2.98	1	2.98
A21081 ELS Lab	3	3	-	2	-	2.33	-	2	2	3	1	3
A21501 PPS I	1.84	1.8	1.8	1.8	1.84	1.23	-	1.23	1.8	1.84	0.6	1.84
A21581 PPS Lab I	3	3	3	3	2	2	-	2	3	3	1	3
A21381 EWS	1.67	1	3	1	2.33	3	-	-	1	2	-	-

A22006 Mathematics II	1.96	2	2	2	1.96	1.83	-	-	0.7	1.31	1.3	1.31
A22007 Engineering Physics	1.96	2	1.8	2.3	1.8	1.96	1.96	1.23	2	2.29	1.3	2.45
A22085 EP Lab	2.4	2.2	2.6	2.6	2	2	2	1.4	2	2	1.8	2.6
A22202 BEE	2.2	2.2	2.2	1.5	1.61	1.47	0.73	-	-	1.47	1.5	2.2
A22282 BEE Lab	2.2	2	2.8	2	1	2	1	-	-	1	2	2
A22302 EGM	2.22	2.2	2	1.4	2.02	2.42	-	-	-	-	-	1.61
A22084 ECS Lab	-	2	-	2.3	2	2	-	3	2.7	3	1	3
A22502 PPS II	1.84	1.8	1.8	1.8	1.84	0.61	-	1.23	1.8	1.84	0.6	1.84
A22582 PPS II Lab	3	3	3	3	2	1	-	2	3	3	1	3
Average	2.34	2.16	2.20	2.08	1.98	1.91	1.58	1.72	1.89	2.04	1.21	2.30

PO Attainment Level :

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.34	2.16	2.20	2.08	1.98	1.91	1.58	1.72	1.89	2.04	1.21	2.30
CO Attainment	2.34	2.16	2.20	2.08	1.98	1.91	1.58	1.72	1.89	2.04	1.21	2.30

PSO Attainment:

Course	PS01	PS02
A21002 Mathematics I	2.4	1.6
A21004 Chemistry	1.6	1.45
A21083 Chemistry Lab	1.8	1.6
A21001 English	-	1.32
A21081 ELS Lab	-	1
A21501 PPS I	0.6	0.61
A21581 PPS Lab I	1	1
A21381 EWS	1	3
A22006 Mathematics II	2	1.31
A22007 Engineering Physics	1.3	2.12
A22085 EP Lab	2.2	1.4
A22202 BEE	1.8	1.76
A22282	2	2

BEE Lab		
A22302 EGM	-	1.82
A22084 ECS Lab	-	1.5
A22502 PPS II	0.6	0.61
A22582 PPS II Lab	1	1
Average	1.48	1.48

PSO Attainment Level:

Course	PSO1	PSO2
Direct Attainment	1.48	1.48
CO Attainment	1.48	1.48

8.5.2. Actions taken based on the results of evaluation of relevant POs

Institute Marks: 10

(The attainment levels by direct (student performance) are to be presented through Program level Course-PO matrix as indicated)

POs Attainment Levels and Actions for improvement- (2019-20)

POs	Target Level	Attainment Level	Observations
PO1: Engineering Knowledge			
PO1	2.21	2.34	Target Level attained.
PO2: Problem Analysis			
PO2	2.02	2.16	Target Level attained.
<ul style="list-style-type: none"> Students are given assignments that would elevate their interest in the core sciences and these assignments are designed with respect to their mental abilities. Various concepts and strategies are adopted to attain the target in this regard. 			

PO3: Design/Development of solutions			
PO3	2.09	2.20	Target Level attained.
<ul style="list-style-type: none"> The students are offered the basic and key steps to designing concepts. Experiential design solutions are encouraged through science activities to address the societal needs. 			
PO4: Conduct investigations of complex problems			
PO4	1.94	2.08	Target level attained.
<ul style="list-style-type: none"> Assignments and tutorial classes are conducted in Mathematics-I, Engineering Graphics & Modelling that are integral for engineering programme. Challenges in achieving good results in these subjects have been addressed with the help of these strategies. 			
PO5: Modern tool usage			
PO5	1.91	1.98	Target Level is attained.
<ul style="list-style-type: none"> More emphasis is laid on the ability to use modern tools in teaching learning processes, particularly in subjects such as Engineering Physics, Chemistry and English to heighten the competency of the students. 			
PO6: The engineer and society			
PO6	1.75	1.91	Target Level attained.
<ul style="list-style-type: none"> Slip tests and assignments helped a lot in achieving better results in difficult subjects. 			
PO7: Environment and sustainability			
PO7	1.39	1.58	Target Level attained.
<ul style="list-style-type: none"> Guest lectures are organized by the experts from industry to expose the students to experiential learning. This strategy helped us meet the target exponentially. 			
PO8: Ethics			
PO8	1.53	1.72	Target Level attained.
<ul style="list-style-type: none"> Induction programme and Value-added courses were conducted that contributed to strong ethical culture for the overall development of the students. 			
PO9: Individual and team work			
PO9	1.73	1.89	Attainment level is almost nearer to the target level.
<ul style="list-style-type: none"> Sessions on Soft skills, particularly in communication/ interpersonal skills are encouraged that contributed to the overall success. 			
PO10: Communication			
PO10	1.87	2.04	Target Level attained.
<ul style="list-style-type: none"> Various strategies have been developed and implemented in the form of literary activities to meet the target. Make-up classes for the students from vernacular background helped in addressing the challenge. 			

PO11: Project management and finance			
PO11	1.13	1.21	Target Level attained.
<ul style="list-style-type: none"> • Engineering Mechanics and Engineering Physics are the subjects that were challenging for students. • This challenge was met with the help of make-up classes and slip tests. 			
PO12: Life-long learning			
PO12	2.12	2.30	Target Level attained.
<ul style="list-style-type: none"> • Assignments, tutorials and guest lectures by industry experts helped in meeting this challenge with better outcome. 			

PSOs Attainment Levels and Actions for Improvement- (2019-2020)

PSO1: Conceptualize electrical and electronic systems, employ control strategies for power electronics related applications to prioritize societal requirements.			
PSO1	1.42	1.48	Target Level attained.
<ul style="list-style-type: none"> • Innovative teaching learning methods are practiced for the subjects that do not meet the target through Assignments & Tutorials. 			
PSO2: Apply the appropriate techniques and modern engineering hardware and software tools in electrical engineering to engage in multi-disciplinary environments.			
PSO2	1.36	1.48	Target Level attained.
<ul style="list-style-type: none"> • To promote study and research in diverse technical fields, students are exposed to guest lectures and make up classes. 			

CRITERION 9	STUDENT SUPPORT SYSTEMS	50
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9.1 Mentoring system to help at individual level:(5)

Types of mentoring	: All round development of students
Number of Faculty Mentors	: All Faculty Members
Number of students per mentor	: 20
Frequency of Mentoring	: Need based, in addition to helping the students at any time on individual basis, providing personal mentoring and Professional guidance/career advancement.

Mentoring process

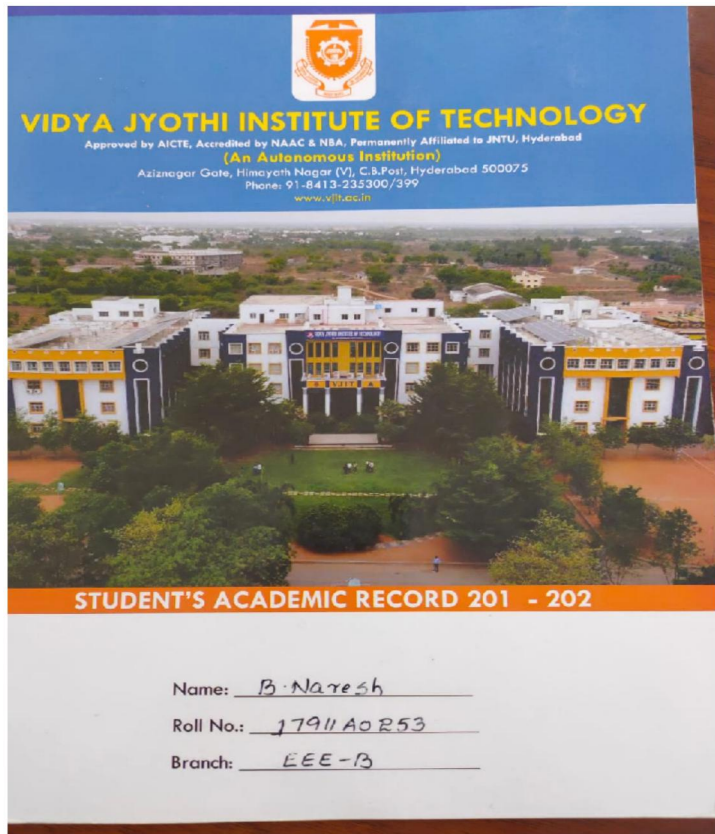
Mentoring is for overall development of the student. Counseling books are maintained by faculty where all details of the students are recorded. The following details are maintained in the counseling book of each student:

- Personal Information
- Mentoring Regularity of the students.
- Monitoring Performance of the students.
- Personal Counselling for Career Guidance
- The parents of poorly performing students are informed through SMS and call.
- Students are encouraged to participate in technical events.

List of Mentors for the academic year 2020-21:

S.No	Year & Section	Batch	Roll no of the students	No. of students	Name of Mentor	Designation
1	II- A	2019-2023	19911A0201- 221	20	P.Naga Muneendra	Assistant Professor
2	II -A	2019-2023	19911A0222-241	20	K.Satish Kumar	Assistant Professor
3	II -A	2019-2023	20915A0201-213	13	A. Mohandas	Assistant Professor
4	II -B	2019-2023	19911A0242-261	20	V.Vijaya Lakshmi	Assistant Professor
5	II -B	2019-2023	19911A0262-275, 20915A0214-219	20	L.Raju	Assistant Professor
6	II -B	2019-2023	20915A0220-225,18911A0275,244,233,279,251, 229,217,239	14	M.Vijay Kumar	Assistant Professor
7	III- A	2018-2022	18911A0201-242(As per Roll.List)	20	B.Rajesh	Assistant Professor
8	III -A	2018-2022	18911A0245-285(As per Roll.List)	20	P.Nageshwara Rao	Assistant Professor
9	III - A	2018-2022	18911A0287-2A3,19915A0201-226(As per Roll.List)	22	K.Swapna	Assistant Professor
10	III- B	2018-2022	18911A0203-261, 16911A0223(As per Roll.List)	21	B.Sudhakar Reddy	Assistant Professor
11	III -B	2018-2022	18911A0264-2A4, 16911A0263(As per Roll.List)	21	T.Parameshwar	Assistant Professor
12	III - B	2018-2022	18911A02A5-2A6,18915A0216,19915A0203-227,17911A0204,217,223,250,251,292,293(As per Roll.List)	21	K.Haritha	Assistant Professor

13	IV – A	2017-2021	17911A0203-262 (As per Roll list)	22	P.Vaishnavi Devi	Assistant Professor
14	IV -A	2017-2021	17911A0263-2A1, 18915A0 201-205 (As per Roll list)	21	Hussain shaik	Assistant Professor
15	IV –A	2017-2021	18915A0208-240 (As per Roll list)	21	A.Srilatha	Assistant Professor
16	IV – B	2017-2021	17911A0201-244(As per Roll list)	21	D.Srinivas	Assistant Professor
17	IV – B	2017-2021	17911A0245-298 (As per Roll list)	21	S.Chaitanya	Assistant Professor
18	IV – B	2017-2021	17911A02A0,2A2,18915A0204-242,16911A0206,239,242,289,16911A0217(As per Roll list)	21	S.Suresh	Assistant Professor



STUDENTS' ACADEMIC RECORD

Name of the Student: Bingi Nareesh

Branch & Section: EEE 'B'

Roll No.: 17911A0253

Category: Convener Quota (OC/BC/SC/ST/SPORTS/NCC/PH)/ Management quota

Parent's Details:

Father's Name: Bingi Balchandram Occupation: Labourer
 Mother's Name: Bingi Bhagyalaxmi Occupation: Breedi Koller
 Contact No.: 9676674250 Email ID: nareeshbingi446@gmail.com

Office Address with contact No.:	Residential Address with contact No.:
	<u>H.No. 12-4-117</u> <u>Murshadgadda</u> <u>Siddipet Dist - 502103</u>

Past Academic Performance:

S. No.	Class	Year of Pass	% of Marks/Grade	School/ College
1	10 th / Equivalent	2015	92%	Govt. High School
2	12 th / Equivalent	2017	86%	Helargara Model Jr. college, Jankota

JEE/ EAMCET Ranking details: (if any)

1) 47439
 2)

B. Nareesh
Signature of Student

[Signature]
Signature of the Parent

Fig 9.1(a) Sample mentor book to record the student's details from the first year to final year.

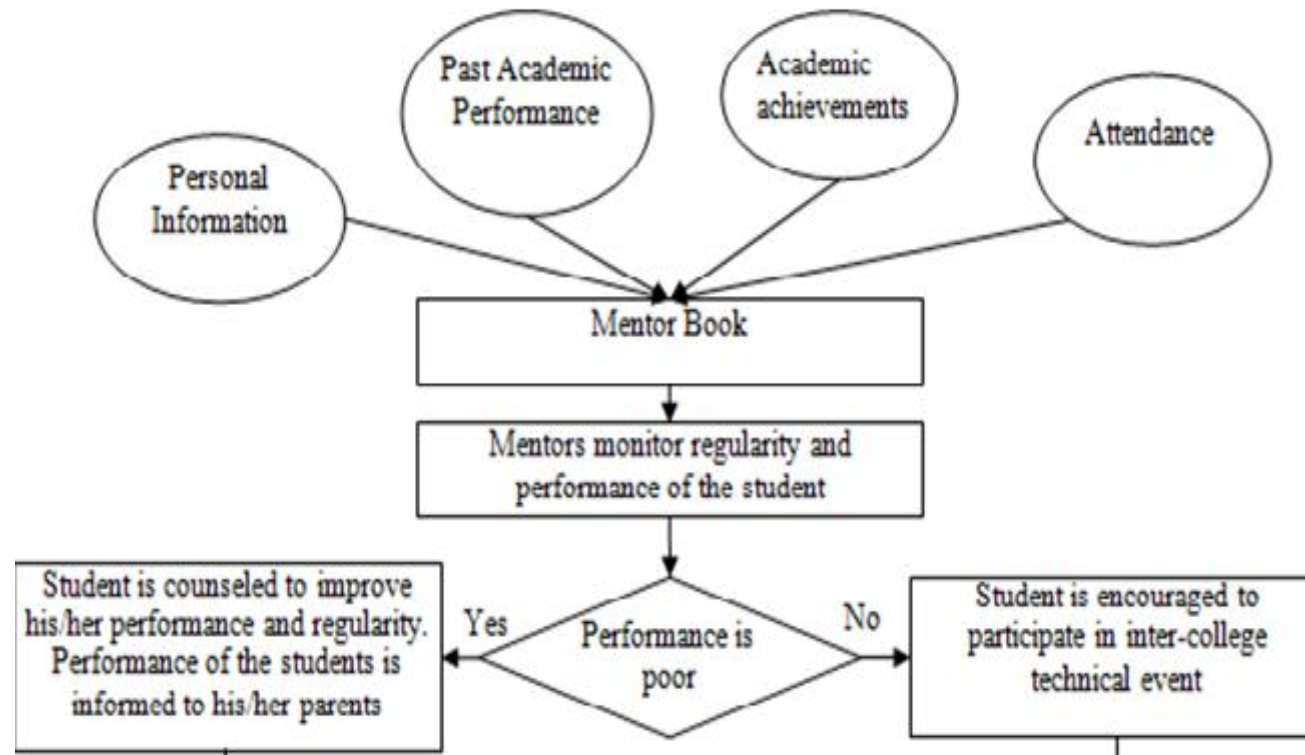


Fig 9.1(b) Flow chart of Mentoring Process

By implementing mentoring system in the Institute, the following parameters are improved:

Efficacy of mentoring system

S.No	Parameters	Outcomes
1.	Regularization of Student Attendance	Enhanced learning process
2.	Academic Performance	Intellectual Curiosity
3.	Involvement of students in Co-curricular Activities and Extra-Curricular Activities	Team Building, Effective Communication and Leadership Skills
4.	Guidance towards Self learning	More number of students enrolled for certifications
5.	Placement's guidance	Enhanced Placements
6.	Counseling students towards overall well being	Improved self-confidence, self-esteem and holistic development
7.	Extended support to peer related issues in consultation with parents	Overcoming negative behavioral traits

9.2 Feedback analysis and reward / corrective measures taken, if any (10)

Feedback collected for all course: YES

Average percentage of student's participation: 90% .

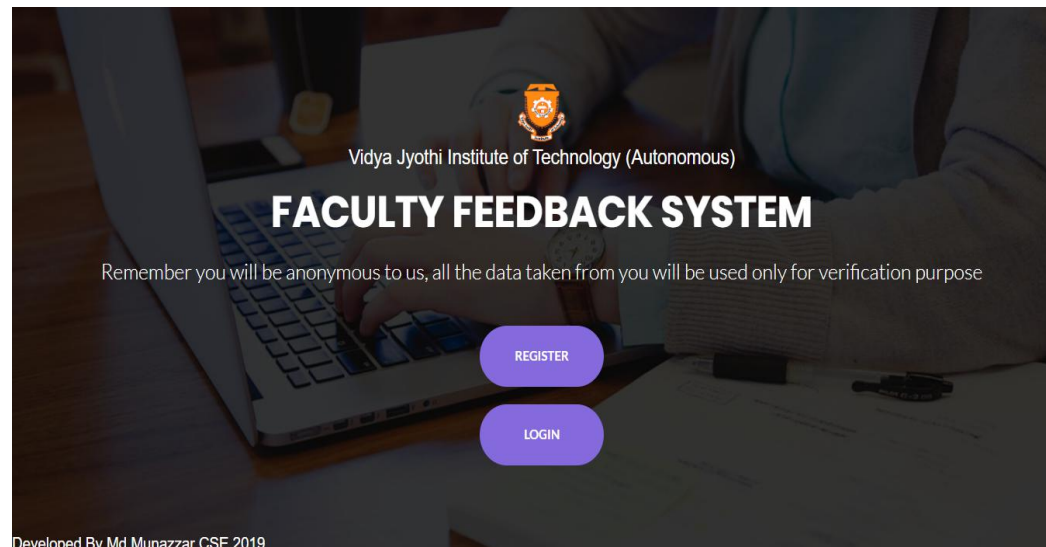
Feedback collection process

Feedback on all the faculty members is taken from the students against the below mentioned parameters:

1. Subject Knowledge
2. Communication skills
3. Presentation skills
4. Punctuality

5. Control over the class
6. Audibility
7. Professionalism
8. Content of Lecture
9. Clarification of doubts
10. Explanation with examples

Students are suggested to provide feedback in a scale of 1-10, against each parameter (1 being lowest and 10 being highest). Feedback is collected by using a web application which improves speed and efficiency of the process.



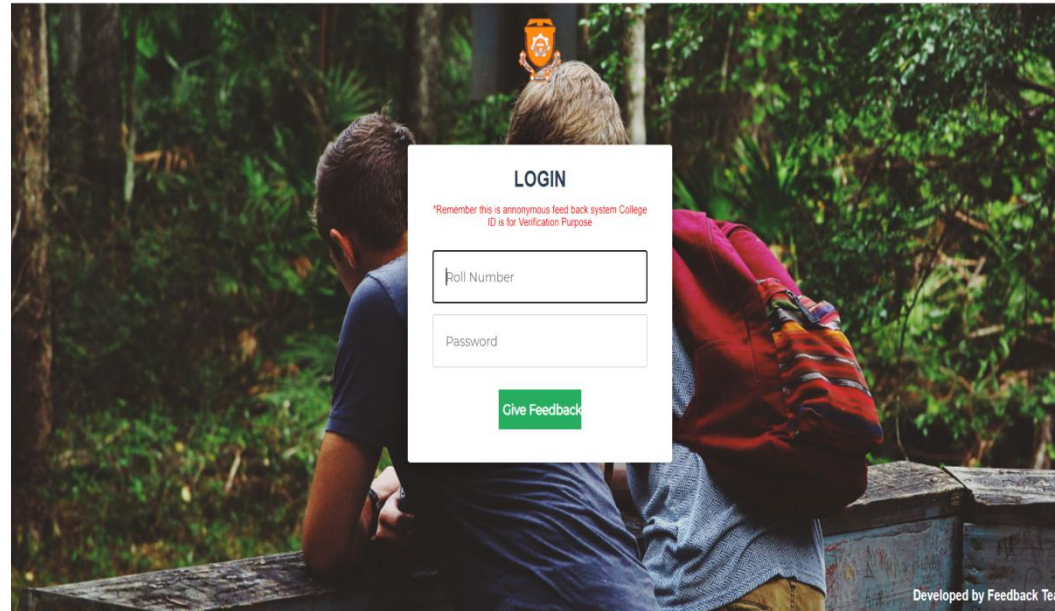


Fig 9.2 Feedback-form login

Figure 9.2.1 shows online feedback-form login for the students. Currently we are taking feedback through online feedback system and the faculty feedback system is developed by VJIT, Computer Science Engineering students of 2019 batch. In this form, the current semester theory and laboratory courses are displayed along with faculty member photo. The students has to fill the form and he/she gives feedback points from 1 (low) to 10 (high) for the measuring ten parameters mentioned above.

System of Reward:

Best performing faculty based on the feedback received from the students is rewarded by issuing a letter of appreciation. Based on the annual performance of the faculty the annual increments are released and best faculty award will be rewarded every year on 5 September Teacher's Day celebrations.

Corrective Actions:

Based on the students' feedback, faculty members are advised with relevant suggestions from Head of the Department.

9.3 Feedback on facilities (5)

Assessment is based on student feedback collection, analysis and corrective action is taken.

The questionnaire is intended to collect information on students' satisfaction towards facilities and services provided within the college campus. The information thus gathered is treated confidential and is to be used as important feedback for quality improvement of the program. The feedback template is as follows:

Student feedback form on facilities:

VidyaJyothi Institute of Technology
Aziz Nagar Gate, C.B.Post, Hyderabad

Students should read each point carefully and award points as per the scale given below against each item. The scale is 1-5.

Not Satisfactory-1, Satisfactory-2, Good -3, Very Good-4, Excellent-5

S.No	Statement	1	2	3	4	5
1	Rate your satisfaction level on canteen facilities					
2	Rate your satisfaction level on transport facilities					
3	The campus has adequate power supply					
4	The classrooms are clean and well maintained					
5	Do you have adequate facilities for Sports and Games					
6	The functioning of the health center					
7	Grievances/problems are redressed/solved well in time					
8	Available reading space in library/seminar is satisfactory					
9	The campus is green and eco-friendly					
10	Clean drinking water is available in the department and in the campus					
11	Toilets/washrooms are hygienic and properly maintained					
12	The office staff in the department are helpful					
13	Internet facility is available in the department					
14	Photocopying facility in the Library/Department					
15	The library/seminar staffs are cooperative and helpful					

The feedback is collected from the students through Google forms. The corrective measures will be taken based on the student feedback on facilities.

Action Taken for Student Feedback on Facilities

Academic Year:

The analysis of student's feedback on facilities is taken. In this feedback analysis, it is clear that students are satisfied with redress of grievances/problems, but they suggested prompt/quicker problem-solving.

This feedback analysis is discussed with the Principal and the management. Necessary action is taken by the management by providing complaint and suggestion boxes in each department. The committee collects complaints and suggestions every 15 days and takes the necessary action.


9.4 Self-Learning (5)

Self-learning is promoted in the institute by providing following facilities:

- High speed Internet facility: Internet facility has been provided through Apollo online leased line and also through a private provider by installing receiver in the campus.
- Digital Library has been established in the central library with 35 computers.
- Technical Symposium
- e-Journals
- e-Learning Sites
- NPTEL video lectures
- Coursera online course
- Webinars
- Virtual labs
- Club Activities

Virtual Labs: Institute has IIIT, Hyderabad virtual labs nodal center, through this center students are accessed to labs through online. The following laboratory is accessed by our students.

Electrical Machines Lab



Virtual Labs (VLabs)


Introduction

Virtual Labs are simulated learning environments that allow students to complete laboratory experiments online and explore concepts and theories without stepping into a physical science lab.

It is a MHRD initiative for anytime anywhere education.

Features

- Remote-access to Labs
- Available at various levels of educations (UG,PG, Research)
- Provides a complete Learning Management System
- Associated with additional web-resources, video-lectures, animated demonstrations and self-evaluation




Prerequisites to access

- 1. Java** (allows you to play online virtual labs.)
- 2. Adobe Flash** (formerly Macromedia Flash is a multimedia platform used to add animation, video, and interactivity to web pages).

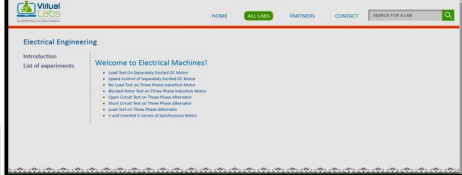
How to proceed for V Labs?

Step 1
Click a Link: <https://www.vlab.co.in/broad-area-electrical-engineering>

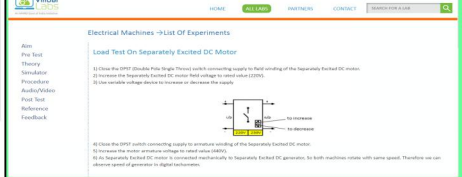
Step 2
Select the required Lab



Step 3
Select the Experiment from List of Experiments



Step 4
Proceed for the Procedure



Step 5
Access the other recourses

Apart from all these modes, we have student club “IGNITE” and “APRICUS”. It is a platform where students will intermingle with different years and performs a group activity like technical quiz competition, model preparation regarding core topics. These activities improve the core knowledge of the student.

Flexibility in academics with scope for self-learning:

1. **Home-Work Assignment** is a regular feature being practiced with emphasis on solving numerical problems.
2. **Subject Specific Lectures** are arranged for each course to outreach the syllabus content boundary.
3. **Student Seminars** are arranged on topics related to practical's being performed for helping them to understand the relation between theory and the need for the experiments. Every student has to participate in this program.
4. Bright students are encouraged to give seminars on current topics of interest allotted by the teachers.
5. Group discussion on student Project work monitored by the senior staff.
6. Students are encouraged to complete Certification Courses in Coursera and Cisco.

Scope for Self Learning

1. Emphasis on Laboratory Training:

Entrance to engineering education is based on multiple choice tests resulting in a memory base system to expose them to empirical experience, which is the base for science and technology education, we have adopted a procedure with major emphasis on practical's being performed beyond the syllabus requirement.

2. E-learning Resources for Students:

S.No	Medium for self-learning	Available Place	Purpose
1	NPTEL Video Courses, NPTEL web courses.	Central library	Self-learning
2	e-Books (McGraw-Hill, Springer, Taylor and Francis, Cambridge, IS, Oxford),	Central library	Self-learning
3	Journals, AICTE-INDEST, IEEE, ASME, ASCE, DELNET N-LIST (INFLIBNET)	Central library	Self-learning
4	Books in the department library available for competitive exam like GATE, IES GRE, TOEFEL, and GMAT	Central library	Self-learning
5	Previous project reports	Department library	To extend the already existing project and getting new innovative

			ideas in developing new projects
6	Digital Library	Central library	Self learning

- Modern teaching aids like Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction and to enhance student learning experiences.
- The students are also encouraged to use computer software packages for their Projects.
- Wi-Fi facility in the campus.
- Use of LCD projectors in the classroom.

Digital Library

- Established in the central library equipped by 35 computers with internet connection.
- CD ROM's around 1800 are available.
- Availability of e-Journals 1077 & e-books from NLIST 1,25,000
- Previous years question papers of JNTUH/Autonomous for all the courses
- E-books for all the courses
- Lecture notes and lab manuals
- Project reports
- Support to students for self-learning through NPTEL videos

List of Webinars/ Guest Lectures:

Webinar/ Guest Lectures Title	Name of Student chapter	Date
A Webinar on “All about IEEE”	IEEE	24 th Aug 2021
A Webinar on “ Introduction to Battery Technology for Electric Vehicles”	IEEE	25 th Sep 2021
A Webinar on “Electrical Vehicle Design and Manufacturing”	IEI	7 th May,2021
A Webinar on “Renewable Energy Sector in India”	ISTE	24 th April 2021
A Webinar on Universal Human Values(Role of Education)	ISTE	23 rd April,2021
A Webinar on Importance of Transmission line in Vertically Integrated and Deregulated	ISTE	7 th May,2021

Power systems		
A Webinar on Motivation towards Success	ISTE	8 th May 2021
A Webinar on Modern Control Techniques and design of Electric Vehicles	ISTE	3 rd Oct 2020
A National Level Webinar on Smart Grid Automation	IEI	6 th Oct 2020
A Webinar on Power Quality in Micro grid	IEI	23 rd Sep 2020
A Webinar on Digital Transformation in TSGENCO	IEI	15 th Sep 2020
A National Webinar on Energy Billing Systems and Energy Conservation	IEI	2nd July 2020
Guest Lecture on Substations(Erection of Power Transformers)	IEI	2 nd Feb 2020
Guest Lecture on RES	IEI	21 st Dec 2019
Faraday's Memorial Lectures	IEI	21 st Sep 2019
Guest Lecture on Power Systems Applications and High Voltage Engineering	IEI	26 th June 2019
Guest Lecture On Opportunities to Electrical Engineering	IEI	24 th June 2019
A Webinar on IOT Applications in Electrical Engineering	ISTE	30 th Sep 2020
Guest Lecture on Career Opportunities in EEE	ISTE	2 nd Feb 2020
Guest Lecture on Internship	ISTE	21 st Jan 2020
Guest Lecture On Power Systems and Industrial Applications	IEI	25 th Oct 2019
Guest Lecture On Switch Gear and Protection	IEI	2 nd Feb 2019
Guest Lecture On SCADA	ISTE	25 th June 2019
Guest Lecture On Opportunities in Electrical Engineering and Personality Development	STE	14 th Feb 2019

Learning beyond syllabus: The professional chapters, technical clubs, students association and certification programs provide students a scope for self-learning. The following are the various activities conducted under various professional chapters.

Participation in IUCEE Annual student Forum events

S. No	Name of the Workshop	Venue	Date	Theme	Number of Participants
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1.	8 th International conference on transformation in Engineering Education (ICTIEE-2021)	Online	8 th to 10 th January 2021	Transformation in Engineering Education	8
2.	IUCEE Student Summit 2020	Online	11 th to 13 th September 2020	Student Summit	6
3.	7 th IUCEE Annual Student Forum IASF 2020	Anurag Group of Institutions, Hyderabad	4 th to 8 th January 2020	Challenge for a Change	13
4.	6 th Indian Student Forum & ISEE-2019	Marri Laxman Reddy Institute of Technology	4 th to 6 th January 2019	Engineers Forging the Nation	14
5.	5 th Indian Student Forum & ISEE-2018	Institute of Technology & Management University, Vadodara	4 th to 6 th January 2018	Empowering for the Millennium : A Global Vision with Local Impact.	10
6.	4 th Indian Student Forum & ICTIEE -2017	Vardhaman College of Engineering, Hyderabad	4 th to 6 th January 2017	Infinite Engineering	4
7.	3 rd Indian Student Forum & ICTIEE -2016	College of Engineering, Pune	8 th to 12 th January 2016	Engineering Education without borders	5
8.	2 nd Indian Student Forum & ICTIEE- 2015	B M S College of Engineering, Bangalore	4 th to 8 th January 2015	Transformation in Engineering Education	4
9.	1 st Indian Student Forum- 2014	B V B College of Engineering, Hubli	14 th to 16 th January 2014	21 st Century Grand Challenges	4

List of Regional SPEED workshop conducted at VJIT

S. No	Name of the Workshop	Date	Theme	Number of Participants
1	Regional Student Forum – 2018	29 th September to 1 st October 2018	Fostering Engineers of Tomorrow	65
2	Regional Student Forum – 2017	7 th to 9 th September 2017	Empowering the Millennials	42
3	First year student workshop	2 nd March 2017	Effective Engineering Education	22

4	3 rd Regional student forum	1 st to 3 rd September 2016	Engineering Education for Multifaceted Engineers	10
5	2 nd Regional Student Forum -2015	3 rd to 5 th August 2015	Engineering Education for Multifaceted Engineers	18
6	E-Myths workshop	12 th September 2015	What is Engineering? What do Engineers do? And the importance of being an Engineer	28
7	1 st Regional Student Forum -2014	15 th to 17 th September 2014	Engineering Education Without Borders	18

Regional SPEED workshops conducted by VJIT Students

S. No	Name of the college	Date	Place	Student Facilitator
1	Anurag Group of Institutions Annual Student forum	4 th to 8 th January 2020	Hyderabad	Ms. B. Shivani Ms. P. Harika Ms. K. Sai Chaitanya Reddy Ms. Pravallika Mr. V. Sai Ganesh
2	MLRIT	4 th to 6 th January 2019	Hyderabad	MsPravalika Nandu
3	Anurag College of Engineering	12 th to 16 th November 2018	Hyderabad	MsPravalika Nandu
4	MVJ College of Engineering	15 th to 17 th September 2017	Bangalore	Harsh Sharma
5	MLR Institute of technology	30 th August to 1 st September 2017	Hyderabad	K.R. RoshidChandran
6	MLR Institute of Technology	30 th August 2017 to 1 st September 2017	Hyderabad	C.N.S. Revathi
7	SR Engineering College	15 th to 17 th September 2016	Bhimavaram	C Kavyasree,
8	MLR Institute of technology	19 th to 21 st September 2016	Hyderabad	P Ajay and H Roopak
9	Vignan Institute of information & technology	17 th to 19 th August 2016	Vizag	B Santosh Pawan Kumar
10	ABES Engineering College	30 th August 2016 to 2 nd September 2016	Noida	K Nikhita

11	SR Engineering College	6 th to 8 th August 2015	Warangal	A Swarnamani, B Santosh Pawan Kumar C Kavyasree
12	AMITY University	9 th to 11 th September, 2015	Noida	A Swarnamani
13	Pulla Reddy Eng.College	23 rd to 25 th July,2015	Kurnool	P Prathyusha
14	Mangalam College of Engineering	27 th to 29 th July, 2015	Kerala	H Roopak
15	BH Gardi College of Engineering & Technology	27 th to 29 th July, 2015	Rajkot	B Santosh Pawan Kumar and P Ajay
16	HITAM Engineering College	18 th to 20 th July, 2015	Hyderabad	B Santosh Pawan Kumar

9.5 Career Guidance, Training, Placement Cell (10)

Institute established Career guidance cell to support the students in preparing for competitive exams. Career Guidance cell provides excellent guidance and all the support to the students in order to achieve their career goals.

Career Guidance Cell:

NameoftheFaculty	Designation
Dr.G.SreeramReddy	Convener
Dr.D.ArunaKumari	Member
Dr.K.Vasanth	Member
Mr.B.Srinivasulu	Member
Dr. C.N.Ravi	Member

Objectives of the Career Guidance Cell:

The Objectives are to:

- Provide information about various career options available to the students.
- Conduct a survey among students on their career options.
- Organize programs and to create awareness about the importance of higher studies in India and abroad.

- Organize diagnostic tests for the competitive exams such as CAT, GRE, and GMAT and to counsel them for higher studies.
- Organize coaching classes on CAT, TOEFL, GRE etc.
- Organize and offer various programs on Personality Development, Soft Skills and Communication Skills.
- Organize Pre-Placement Training Programs and to enable students to showcase their skills during the Interview.
- Invite companies/organizations for campus interviews and provide them necessary facilities for conducting written test, group discussion, technical and HR interviews etc.
- Arrange industrial visit for pre final year and final year students.
- Organize training for mock interviews, group discussions, experience sharing by eminent personalities, business communication skills and conduct online/off-line tests on problem solving and aptitude tests.
- Display various job advertisements, opportunities, and career column in leading newspapers.

Career Guidance for Higher studies:

- Institute received a funding of Rs. 8,49,997/- from AICTE Prerana-2019 Scheme for preparing SC/ST Students for Higher education
- The Placement cell of the institute organizes seminars, workshops on soft skills and placement orientation program to impart the skills and guidance for higher education to the students.
- Language lab has interactive software which enables the students to prepare for GRE and TOEFL examinations.
- Large number of books on career guidance and competitive examinations are available in library.

Under career guidance cell, students are trained for British English Council (BEC) / Communication Club program.

Faculty Coordinator – Dr. Indira Priyadarshini – Prof, Department of English

BEC is a certification course given by Cambridge English. It is associated to the Common European Framework of reference for Languages. Some employers require non-native speakers of English to demonstrate a qualification and proof of training in the English language, before offering an

interview or a job in some client servicing roles. This certificate is one of the myriad of certificates on offer. Out of the 115 students appeared for BEC Preliminary B1 Level exam from Telangana Academy for Skill & Knowledge TASK, 19 students are from VJIT. 5 VJIT'ians topped the exam and are given B2 Level of certification i.e. BEC Vantage. The remaining 14 students got through the exam with good grades.

Our students are certified in *Hindu STEP* (Standardized Test of English Proficiency) and College to Corporate.

Hindu STEP

Hindu STEP is an English certification program conducted by the Hindu group and Vidya Jyothi Institute of Technology. In this platform students had a pleasure to take up this particular course which consists of 60 hours under which, 40 hours of online course and 20 hours of face to face training.

List of EEE students certified in Hindu STEP

S.No	Roll. No	Student Name
1	16911A0278	N. Harish Kumar
2	16911A0245	T. Laxmikanth Goud
3	16911A0264	SohithGosangi
4	16911A0226	Gayatri Lakkavaram
5	16911A0228	L.Neha
6	16911A0266	Vidya
7	16911A0287	R.Bindu
8	16911A0281	PeddaBommaDivyasree
9	16911A0275	Mir Farazuddin Hamza
10	17915A0210	K.Kapil Kumar
11	16911A0257	B.Srinath Yadav
12	16911A0211	Pravallika Nandu
13	16911A0216	K.Rajeshwari
14	16911A0230	K.Sumalatha
15	16911A0260	Pawan Reddy

16	16911A0282	Sai Chandana Pisupati
17	16911A0272	Aravinda Chary
18	16911A0224	Kotha Ambika
19	16911A0202	A.Sreeja
20	16911A0249	V.Sai Ganesh
21	16911A0286	Harish Punnamraju

College to Corporate :

C2C program is primarily targeted at pre-final and final year students, to help students prepare for the corporate world, and perform better in the recruitment process. Corporates that recruit the final year students have certain expectations from their prospective employees. If the students/candidates are made aware of these expectations and the skills required fulfilling these expectations, their journey from College to Corporate would become easier. C2C program will be conducted using the hybrid/blended MOOCs pedagogy participants learn online, or also through face-to-face interaction.

List of EEE students certified in College to Corporate

S.No	Roll No	Name of the Student
1	18911A0246	Sivaraju Naga Sri Gowri
2	18911A0250	Thota Nikhitha
3	18911A0201	Anirudh Soni
4	18911A0220	Kareti Pavan Kumar
5	18911A0240	P.Jaya Sindhu Sai
6	18911A0223	Kondoju Prasanna

List of activities conducted under career Guidance cell:

S.No	Date	Name of resource person	Organization/Designation	Topic
1.	13-Aug-21	RituAshar	Co-Founder& Chief learning Officer	AWS Cloud Computing
2.	08-Aug-21	YeshwanthChintaginjala	Software Development Engineer II AtPaypal	Preparation Strategies For Product Base Companies

3.	06-Aug-21	Sandeep	Triumphant Institute Of Technology Education Pvt.Ltd	Carrier OppurtunitiesPrepration Strategy Through GATE-22
4.	03-Aug-21	Sri Harsha	TCS Careers	Ninja Hiring Process
5.	10-Jul-21	SreeLatha Shankar	Head-Ameccaz	Cyber Security Services Campus to Corporate Orientation
6.	03-Jul-21	BhagwanGorti	CEO& Founder Positive Solutions	Integrated Information System Enterprise Excellence
7.	27-Jun-21	Hardik Nahata	AI Engineer,Aspecto Technologies	Machine Learning in Alexa Works
8.	25-Jun-21	Sushma patur	Times Of India	Impact of COVID-19 on Students career & how to be Exam Ready in Pandemic
9.	19-Jun-21	KrishnaKumar Dev	Talentio	Manage To get 1 Crore Package From Amazon
10.	13-Jun-21	Aniket Chile	Experts Insights on Cognizant	How To Crack Cognizant
11.	06-Jun-21	Rajeev Markanday, Palash Gupta	Hitbullseye	Career Options After Graduation
12.	05-Jun-21	Siddharth Ghosh	Talentio	Journey of Life in Pandemic
13.	04-Jun-21	Venkata Ramana Reddy,Sandeep Bandari	JNTU	About Gate,Jobs& Higher Education Opportunities
14.	21-May-21	Karthikeyan	R&D Scientist in Robotics Controls	Webniar On Robotics
15.	13-May-21	Code Chef Team	Code Chef	Coding Contest
16.	15 th December 2020	NiketaDediha	Principal consultant, Exponent consultancy, USA	Higher education opportunities in Germany & Europe
17.	10 th October 2020	MR.Karthik Ganapathi	CEO-VSG Software solutions	Importance of student chapters in engineering education
18.	3 rd October 2020	M.S.R.Murthy	Sr. Consultant, TCS	Engineering a build skill switch from college to job
19.	2 nd October 2020	Dr.Srinivasrao	Vice president, Tech & Research Ramky Enviro Engineers pvt Ltd	Circular Economy
20.	26 th September 2020	Prof Sunil Kumar Garg	California State University	Higher studies in USA ,Canada, Australia
21.	14 th August 2020	Pooja Tak	Nasa Space Apps Challenges	Nasa Space Apps Challenges
22.	29 th may 2020	Dr.PallaRajeswarreddy	Chairman, Anurag University	How covid-19 lockdown has created new challenges
23.	28 th January 2020	K M Daviel	FACE	Technical Workshop

24.	4 th October 2019	Mr. Vinod	Sales force	How to Clear sales force certification
25.	1 st October 2019	Mr. Sudipta,	Director, Lean Techno	Importance of Lean Certification
26.	14 th September 2019	Mr. Quazi	HPE	How to improve coding skills
27.	29 th August 2019	Mr. Sathish	Gillette Men's grooming & Sakshi Media	How to get internships
28.	27 th August 2019	Ms. Aditi & team	Machint Solutions	Robotics and AI
29.	4 th July 2019	Mr. Balaji Srinivasan	Virtusa	What industries looking for?
30.	4 th July 2019	Mr. Krithivasan	Virtusa	How to crack virtusa Neural Hackathon
31.	10 th December 2018	Mr. T.Sridhar	Hyderabad Institute of Electrical Engineers	Importance of Core Engineering
32.	29 th September 2018	Mr. Praveen Kamath	Wipro	Career Guidance in Software Industry
33.	17 th August 2018	Mr. Muquayyar Ahmad	Upgrade	Data Science, Machine Learning and Full Stack
34.	17 th August 2018	Mr. Ravi Joti	Upgrade	Data Science, Machine Learning and Full Stack
35.	14 th May 2018	Mr. Siddharth	Toast Masters	Public Speaking
36.	20 th January 2018	Mr. Emmanuel	Epam Systems	Orientation
37.	20 th January 2018	Ms. Akhila	Deloitte	Orientation
38.	20 th January 2018	Mr. Sharath	Radio Mirchi	Orientation
39.	29 th December 2017	Mr. Jayanth Challa	ACE Info Solutions	Info on US Degree Programs
40.	8 th December 2017	Mr. VenkatKanchanapally	Suntek Corporation	Importance of Pre-Placement Training
41.	8 th December 2017	Mr. Jaffar	Talentio	Scope of Cloud Computing services
42.	3 rd November 2017	Ms. Pooja Jain	Amazon	Information on WebServices
43.	28 th October 2017	Mr. Sainath	Cogent	Scope in Information Management Services
44.	7 th October 2017	Mr. VK. Kishore	SentiniGeosol	Current Market changes
45.	15 th September 2017	Mr. Prasad Kodukulla	Cyient	Scope for Mechanical Engineers
46.	22 nd August 2017	Mr. Pankaj	Qlik Software	Data Analytics
47.	27 th July 2017	Mr. Shankar	Advantics	Big Data Analytics
48.	17 th June 2017	Mr. Dinesh Chandrasekhar	Hitachi Consultancy	Engineering the Digital Future
49.	9 th June 2017	Mrs. Ishitha Tripathi	Deloitte	Corporate Readiness

50.	6 th June 2017	Mrs. Akhila M	Deloitte and RJ, Mirchi 95	Life Skills
51.	6 th June 2017	Mrs. Ruchi Saha	Change-inc	Skills for Tomorrow
52.	5 th June 2017	Mr. Emmanuel Gosula	Epam Systems	Disruptive Technologies
53.	29 th May 2017	Mr. Krithivasan Siva	Virtusa Polaris	Industry Readiness
54.	13 th February 2017	Dr.BalajiUtl	Kria Health Ltd	Innovations Health Care in India
55.	13 th February 2017	Ramesh	Kria Health Ltd	Internship Benefits
56.	7 th February 2017	Garima Kapoor	ETS Career Guidance	Career Guidance in GRE,TOFEL
57.	5 th February 2017	Sanjay Narang	Made Easy	Career Guidance in Gate
58.	3 rd October 2016	Mr P.S. Raju	CCMB	Science Exposure
59.	3 rd October 2016	Mr Sateesh Chandra	Ajnanetworks (Alumni)	Experience, being an Alumni
60.	3 rd October 2016	Mr Y N Rao	Global Tree	how to apply for the universtities and Visa Processing
61.	10 th September 2016	Mr. Sree Harsha and Mr. Pavan Jalluri	Innominds	Resume Building and Open Opportunities
62.	3 rd September 2016	Mr. Anil Nair	Anil Nair Classes	Importance of Aptitude in Placements
63.	3 rd September 2016	Mr. Aditya	Alumni student	Basics of Java
64.	3 rd September 2016	MsPoojitha	Microsoft	Choosing right carrier within organization
65.	3 rd September 2016	Mr. V.V K Rao	Byju's	Opportunities in abroad education
66.	20 th August 2016	Mr. Vikram Jit Misra	Director WADHWANI foundation	EDC Awareness Programme
67.	20 th August 2016	Mr. Suagat Majumdar and Mr. Susheel	RubiconRed	Current Trend in Market
68.	16 th July 2016	Mr. Venkata Chalapathy	Head HR- Virtusa Polaris	Pointers for Students as they prepare for a career in the corporate world

Training & Placement

The placement cell is headed by **Mrs. ShikhaKaushal**. Placement officer has a strong Corporate Connect which is resulting in quality placements. Placement cell has been organizing On and Off campus recruitment drives every year. Nearly 85% of our eligible candidates have found placements/higher studies.

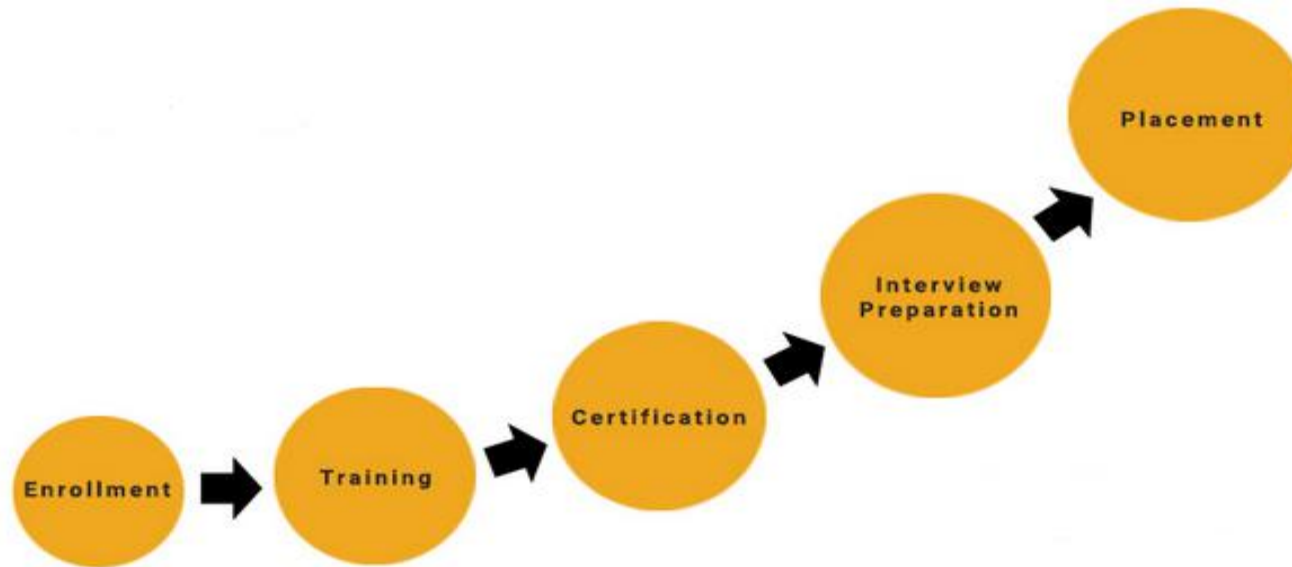
Placement Office also coordinates with department coordinators to communicate the placement related information to the students and for any necessary information to be collected. The institution has entered a memorandum of understanding with several local industries for extending

Training/Internship/Placement of students. Most of the final students of B.Tech and M.Tech are carrying out their projects in the industry. This mechanism has been very much useful for students as they are being exposed to actual industrial setup providing practical exposure.

Name	Designation	Department
Mrs. Shikha Kaushal	Head-Training and Placement.	Training & Placements
Mr. Y. Praveen Kumar	Assistant TPO	Training & Placements, CSE
Mr. Shaik Ismail	Assistant TPO	Training & Placements, Mech
Ms.Y.Sree Chaitanya	Data Analyst	Training & Placements
Mr. Vijay Babu	Aptitude and Problem Solving Trainer	Training & Placements
Mr. Yogesh Raghavwar	Faculty Coordinator	CSE
Ms. ManasaThogaru	Faculty Coordinator	CSE
Mr. Hussain Shaik	Faculty Coordinator	EEE
Ms. Vijay Lakshmi	Faculty Coordinator	EEE
Mr. Venkatesh Saleti	Faculty Coordinator	Mech
Mr. Subhanvali Shaik	Faculty Coordinator	ECE
Mr. Akram	Faculty Coordinator	ECE
Mr. M. Suresh Babu	Faculty Coordinator	IT
Mrs. Kavita	Faculty Coordinator	MBA
Mr. Raghavendra	Faculty Coordinator	Civil
Ms. Azra Amreen	Faculty Coordinator	AI

Training & Placement Process :

Training is one of the most integral parts of our institution because of which we are able to see quality placements. The Training and Placements Cell of Institute applies a unique concept to get the maximum result. At 2nd year level it provides common placement oriented training for all the students. In that time students are taught with basics of aptitude, logical reasoning, verbal ability and C coding. At 3rd year level they are given a choice to enroll for placements if they are interested in. The registered students are issued a placement ID card with unique placement ID. Normal observation is – around 70% of students enroll for the placements.



Students are provided with about 120 hrs of Verbal, 120 hrs of Quant and Problem Solving and about 200 hrs of core training. So from 2nd year to 4th year each job aspiring student gets about 400 hrs of Industry Readiness Training. The total training also includes Company Specific dedicated training to improve the competency of the students.

We also invite Guests from Industry and arrange seminars on Skill Development and technical talks and many other topics. The main objective of conducting these seminars by industry professionals is to fill the gap between Industry and Academia.

Campus Placement Procedure:

- Invitations are sent to companies/organizations in the form of brochures with relevant information along with response sheets enquiring about the recruitment details, Soft copies of the brochure and response sheet are also sent.
- The company fills the response sheet and sends it by e-mail post to the Training and Placement Department, VJIT.
- Once the details are received, the placement officer and coordinators get in touch with the company and a mutually convenient date is fixed for the Campus Placement process.

Many of the companies follow below procedure to hire students:

1. Online Test on Aptitude and Technical subjects
2. Group Discussion
3. Technical Interview
4. HR Interview

9.6 Entrepreneurship Cell (5)

EDC (Entrepreneurship Development Cell) of the institute is committed to encourage entrepreneurship among students. The center invites various renowned entrepreneurs to share their experiences. Lectures and awareness programs are regularly conducted to enlighten the students about the joys and problems of entrepreneurship. Guest lectures are conducted throughout the year to involve the students in the various activities.

Objectives of EDC

- To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programs, Faculty Development Programs and Skill Development Programs in the institution for the benefit of students
- To motivate and develop entrepreneurship among the students
- To initiate innovative student projects each year for new innovative product development
- To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.

Fund Received

The institute received a sponsorship amount of Rs. 1,00,000/- for academic year 2018-19 and Rs. 20,000/- for academic year 2019-20 from DST-NIMAT. Under this Cell total 6 entrepreneur awareness programs are conducted for the benefit of students.

EDC List of Committee members are given below

S.No	Name	Position	Department
1	Dr. E. Saibaba Reddy	Chief Patron	Director
2	Dr. A. Padmaja	President	Principal
3	Dr. M. Vadivel	EDC Coordinator	ECE
4	Dr. B. Vijaya Kumar	Member	CSE HOD

5	Dr. K. Vasanth	Member	ECE HOD
6	Dr. Sreeram Reddy	Member	MECH HOD
7	Prof. Srinivasulu	Member	IT HOD
8	Dr. Pallavi Badry	Member	CIVIL HOD
9	Dr. A. Srujana	Member	EEE HOD
10	Dr. P Chakradhar	Member	MBA HOD
11	Mrs. T. Deepika	Dept. Coordinator	CIVIL
12	Mr. K. Srinivasa Rao	Dept. Coordinator	CSE
13	Mrs. M. Vijaya Shanthi	Dept. Coordinator	IT
14	Mr. S. Saravanan	Dept. Coordinator	ECE
15	Mrs. V. Vijaya Lakshmi	Dept. Coordinator	EEE
16	Mr. S Prasad Kumar	Dept. Coordinator	MECH
17	Mrs. Suneela Bharathi	Dept. Coordinator	MBA

Events organized by EDC

Academic Year	2018 -19	2019 -20	2020 -21
No. of Events Conducted	07	02	15

List of Activities

S. No.	Date	Activity	Name of the Resource Person
1	24.08.21	International webinar session on “The Risks & Rewards of Being an Entrepreneur”	Mrs.RituAshar, Co-founder & Chief Learning Officer, Workfall, Singapore

2	04.05.21	Orientation session on “Govt. schemes for startup & Qualities to Become a Successful	Mr. Mohan E, CEO, Infinite Desire Entrepreneurship Solutions, Chennai, Tamilnadu
3	08.04.21	Orientation session on “Entrepreneurship & Innovation Management”	Mr. Rajeev YSR, Vice President -Business Strategy, ETO Motors Pvt. Ltd., Hyderabad.
4	27.01.21	Orientation session on “National Innovation and Startup Policy (NISIP)”	Dr. RajaniKanthAluvalu, HOD/CSE Department, Vardhaman College of Engineering, Hyderabad
5	11.01.21	Orientation session on “National EducationPolicy (A focus on Innovation andEntrepreneurship)”	Mr S Mahaboob Hussain, Vice President, Consulting Services, Basha Research Corporation (BRCorp), Hyderabad.
6	07.01.21	Webinar on “Legal Patent filing procedure in India”	Mrs. Pooja Kumar, Founder & Director, Innove Intellects, Ghaziabad.
7	02.01.21	webinar on“Idea to Invoice (i2i) , A Successful Innovator Journey”	Dr.Dinesh Chandrasekar, Chief Innovation Officer, Pactera Edge, Hyderabad
8	28.12.20	Workshop on “Entrepreneurship and Innovation as Career Opportunity”	Mr.KALYAN.K, Founder & CEO EduTech Innovations, Hyderabad.
9	23.12.20	Webinar Session on “Problem Solving and Ideation Workshop”	Mr.MadhuParvathaneni, Managing Director mad Blocks Technologies Pvt. Ltd., Hyderabad.
10	10.10.20	Webinar on “Business plan - A route map to success”	Dr. M. Anil Ramesh, Professor -Marketing & Strategy Siva Sivani Institute of Management, Hyderabad
11	03.10.20	Webinar on“Decoding the Entrepreneur Journey: CVRINDIA Innovations”	Mr.Sanjay Sanju, Founder & CEO CVRINDIA,Bangalore, Karnataka
12	26.09.20	Webinar on“Startup Ideas and Incubation Support from Government Schemes”	Dr. R. HAFEEZ BASHA, Director, International Relations, Incubation Center,Ashoka Group of Institutions, Hyderabad
13	19.09.20	Webinar on“Innovation &Entrepreneurship ”	Dr. Shanta Thoutam, Innovation/ Startup, Evangelist & OSD(Textiles) ,Govt. of Telangana, Hyderabad

14	19.08.20	Webinar on Ideation to Patenting	Mr.Balaji Devarajan, Head – Centre for IPR, KPR institute of Engineering and Technology
15	09.07.20	Webinar on The Power of Innovative Entrepreneur	Mr.MohammedVaseem Siddiqui, Managing Director Flivv Web Development Pvt. Ltd.
16	03.02.20	One Day Workshop on Starting up for a cause	Mr Kishore Vodapally, Head of BD & Marketing, ALC India Ltd., Ms Sneha Kulukuru, Technical Consultant, ALC India Ltd.,
17	03.10.19 - 05.10.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2019-20 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Mr.LokeshNathany,Founder ,DiSRUPPt Thinking K. C.Choudhury, Asst. Director, MSME-Development Institute Dr.V.Vishnu Vandana, Associate Professor, Anurag Group of Institutions Dr. Nandita Sethi, Founder & Managing Director,The Entrepreneur Zone Mrs. P. Suneela Bharathi, Associate Professor, VJIT Mrs. J.Sreedevi,Assistant Professor, VJIT Mrs. K. Kavitha,Assistant Professor,VJIT Dr. P. Chakradhar,Professor,VJIT
18	05.03.19 07.03.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Mr. Surender Chowdary, Manager, JIO, Mumbai Mr. P. Sridhar, Chief Executive, Peacock Finance Mr. G Nikeelu, Founder, Digital Connect
19	25.02.19 - 27.02.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Dr. Radhika Meenakshi Shankar,Entrepreneurship Management Consultant, Wise Owl Consulting Services Dr. Vandana, Asso. Professor, Anurag Group of Institutions Mr. GulshanBist, Assistant Director, MSME-DI, Mr. P. Sridhar, Chief Executive,Peacock Finance Mr. Sri Charan, Founder, StuMagz
20	21.02.19 23.02.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Ms. Suneela Bharathi, Associate Professor, VJIT, Dr. Vandana, Asso. Professor, Anurag Group of Institutions Mr. GulshanBist, Assistant Director, MSME-DI, Mr. M. Rama Rao, Professor, NEC, Narsaraopet

21	14.02.19 - 16.02.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Dr. Vandana, Asso. Professor, Anurag Group of Institutions Dr P Chakradhar, Professor, VJIT Mr. GulshanBist, Assistant Director, MSME-DI, Mr. P. Sridhar, Chief Executive, Peacock Finance Mr. Karan Shah, Creative Designer, 8FX
22	07.02.19 - 09.02.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Dr. Radhika Meenakshi Shankar, Entrepreneurship Management Consultant, Wise Owl Consulting Services Dr. Vandana, Asso. Professor, Anurag Group of Institutions Mr. GulshanBist, Assistant Director, MSME-DI, Mr. P. Sridhar, Chief Executive, Peacock Finance Mr. Sri Charan, Founder, StuMagz
23	01.10.18	One day workshop on Entrepreneur Journey	Mr. Sri CharanLakkaraju, CEO, stuMagz Mr. NikeeluGunda, Founder, Digital Connect Mr. karan shah, Founder 8FX
24	17.09.18	EDC Logo competition	VJIT E CELL Logo contest
25	20.01.18	Entrepreneurship Orientation Program	Dr. T. Rammohan Rao, Vasavi College of Engg., Hyderabad.
26	29.11.17 – 13.12.17	Two week Faculty Development Program (FDP) on Entrepreneurship	Conducted by Center for Entrepreneurship Development (CED), Hyderabad.
27	16.01.17	E CELL Faculty coordinators visit to ALEAP Industrial Estate, Hyderabad	Arranged by Center for Entrepreneurship Development(CED)

List of Entrepreneurs**Department of EEE**

S. No.	Academic Year	Name of the Student	Company Name	Type of service
1	2020-21	S Sampath Kumar	N S Electrical & Hardware	Electrical
2	2019-20	Praveen Kumar Reddy	S V Hydraulics(Sri Sai Earth Movers)	Earthmovers
3	2019-20	D.Akhil Raj	Hemaraj Traders	Business
4	2019-20	B .Srikanth Goud	Shiva Electricals	Electrical Service
5	2018-19	k .Sachin	Nest wave	Business
6	2018-19	Shashidhar	SS Traders	Business
7	2018-19	M. Venkatesh	Laxmi Electricals	Electrical Services
8	2017-18	P.Surya Teja	You tuber	Content Promoter
9	2017-18	SK Rafi	SK Auto Parts	Automobile

Incubation Centers

The Institute has Two Incubation Centers,

- MSME Recognized Business Incubation center with registration ID : HI/BI Registration Number : HIBITS000288 with effective from 10th January 2020
- Data Ready Technology Corp. a Canada corporation, located in Toronto, Ontario, Canada with effective from 19th February 2019 to 18th February 2021

Institution's Innovation Council (IIC)

MIC has envisioned creation of Institution's Innovation Council (IIC) across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through infinite modes leading to an innovation promotion eco-system in these campuses. For more information of IIC and current calendar activities, please visit <https://iic.mic.gov.in/login>

Focus of IIC

- To create a vibrant local innovation ecosystem.
- Start-up supporting Mechanism in HEIs.

- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARIIA).
- Smart India Hackathon (SIH).
- National Innovation and Start-up Policy for Students and Faculties.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability for Technology Students.

Internal (Teaching/Non teaching) Committee Members of IIC

S. No.	Name of Staff	Designation	Assigned Roles
1	Dr. A. Padmaja	Principal	Head of Institute
2	Dr. E. Sai baba Reddy	Director	President
3	Dr. A. Srujana	Professor & HOD	Vice President
4	Dr. K. Vasanth Kishore	Professor & HOD	Convener
5	Dr. Siddhartha Ghosh	Professor & HOD	Innovation Activities
6	Prof. B. Srinivasulu	Professor & HOD	NIRF Coordinator
7	Dr.M.Vadivel	Associate Professor	ARIIA Coordinator
8	Dr.M.Nagabhushana Rao	Professor	IPR Activity Coordinator
9	Mr.Y. Praveen Kumar	Associate Professor	Internship Activity Coordinator
10	Dr. KVR. Satya Kumar	Professor	Start up Activity Coordinator
11	Mr.B .EswarBabu	Associate Professor	Social Media
12	Mrs. G. Srilatha	Academic Coordinator	Member
13	Mr. R. Venkata Chalam	Sr. Admin.Officer	Member
14	Dr. B. Vijayakumar	Professor & HOD	Member
15	Dr G Sreeram Reddy	Professor & HOD	Member
16	Dr Pallavi Badry	Professor & HOD	Member

17	Dr. P. Chakradha	Professor & HOD	Member
18	Prof. M. Rajendra Prasad	Professor & HOD	Member
19	Dr C. N. Ravi	Professor	Member
20	Mr. K. Srinivasa Rao	Associate Professor	Member
21	Mrs. M Vijaya Shanthi	Associate Professor	Member
22	Mrs. V. Vijayalaxmi	Associate Professor	Member
23	Mrs. P. Suneela Bharathi	Associate Professor	Member
24	Ms. Sree Devi Jasti	Associate Professor	Member
25	Mr. D. Srinivas	Associate Professor	Member
26	Dr Masarath Jahan	Assistant Professor	Member
27	Mr.S.saravanan	Assistant Professor	Member
28	Mr S Prasad Kumar	Assistant Professor	Member
29	Mrs. T. Deepika	Assistant Professor	Member
30	Mrs.K Neha	Assistant Professor	Member

External Committee Members of IIC

S. No.	Name of Staff	Organization	Assigned Roles
1	Mr.DSreenu	Canara Bank	Bank/Investor
2	Mr.EmmanuelGosula	EPAM Software Engineering & Product Development Services	Expert from nearby Industry
3	Dr.ShantaThoutam	Government of Telangana	Expert from nearby Industry/Industry association/ Ecosystem Enablers
4	Dr.M.Anil Ramesh	Siva Sivani Institute of management	Start up/ Alumni Entrepreneur
5	Dr. Nandita Sethi	The Entrepreneur Zone	Start up/ Alumni Entrepreneur
6	Mr.SriCharanLakkaraju	stuMagz	Start up/ Alumni Entrepreneur
7	Dr.Prakriti Bhattacharya	IPexcel	Patent expert

List of Activities

S. No.	Date	Activity	Name of the Resource Person
1	24.08.21	International webinar session on “The Risks & Rewards of Being an Entrepreneur”	RituAshar, Co-founder & Chief Learning Officer, Workfall, Singapore
2	04.05.21	Orientation session on “Govt. schemes for startup & Qualities to Become a Successful Entrepreneur”	Mr. Mohan E, CEO, Infinite Desire Entrepreneurship Solutions, Chennai, Tamilnadu
3	08.04.21	Orientation session on “Entrepreneurship & Innovation Management”	Mr. Rajeev YSR, Vice President -Business Strategy, ETO Motors Pvt. Ltd., Hyderabad.
4	27.01.21	Orientation session on “National Innovation and Startup Policy (NISP)”	Dr. RajaniKanthAluvalu, HOD/CSE Department, Vardhaman College of Engineering, Hyderabad
5	11.01.21	Orientation session on “National Education Policy (A focus on Innovation and Entrepreneurship)”	Mr S Mahaboob Hussain, Vice President, Consulting Services, Basha Research Corporation (BR Corp), Hyderabad.
6	07.01.21	Webinar on “Legal Patent filing procedure in India”	Mrs. Pooja Kumar, Founder & Director, Innove Intellects, Ghaziabad.
7	02.01.21	webinar on “Idea to Invoice (i2i) , A Successful Innovator Journey”	Dr.Dinesh Chandrasekar, Chief Innovation Officer, Pactera Edge, Hyderabad
8	28.12.20	Workshop on “Entrepreneurship and Innovation as Career Opportunity”	Mr.KALYAN.K, Founder & CEO EduTech Innovations, Hyderabad.
9	23.12.20	Webinar Session on “Problem Solving and Ideation Workshop”	Mr.MadhuParvathaneni, Managing Director madBlocks Technologies Pvt. Ltd., Hyderabad.

9.7 Extra Curricular & Co Curricular Activities (10)

The department of Physical Education looks after the Games and Sports activities. The department is headed by two qualified Physical Directors and one lady Physical instructor with the required infrastructure. The college has exclusive amenities block for indoor games like Table Tennis, Chess, Carroms and also has well developed playgrounds for Football, Basketball, Volleyball, Shuttle, Badminton. Kho- Kho, Kabaddi, Cricket etc.

The participation of students in Games & Sports activities are fundamentally of two types.

1. Intramural games & sports activity
2. Extramural activities outside the college

Major Activities:

Organizing intercollegiate tournaments in Tennis, Volley ball, Basketball, Cricket & Table Tennis etc.

Intramural activities:

Intramural competitions will be conducted in February & March every year and the prizes will be distributed on Annual Day function.

Gymnasium: Separate Gymnasium facility for Boys and Girls is provided.

Facilities for Girl Students:

The college encourages participation of girl students in intra and inters institutional sports & games competitions. The following are the sports & games arranged by the college;

Indoor: Carrom, Chess, Table Tennis, Badminton etc.

Outdoor: Volleyball, Basketball, Foot ball, Throw ball, Tennikoit, Kho-Kho are conducted separate selection trials for girl students for picking upto talented players for participation at Inter Collegiate tournaments.

Sports ProgramCalendar

S.No	Name of the Events	Time Period	Name of the Sports &Games
1	University Selections	August to January	All Sports &Games (Athletics &Cricket, Volley Ball, Basket Ball, Badminton, Table tennis etc.)
2	Inter Engineering Collegiate Tournaments	September to March	All Games
3	Intramural Competitions	December to March	All Sports &Games
4	State Level Inter Engg. Colleges Sports fest	September to March	Games
5	JNTUH Zonal Competitions	January to March	Sports &Games
6	Annual day Competitions	February to March	Sports &Games

PHYSICAL FACILITIES

1. Basketball Court
2. Volley ball Court
3. Table Tennis halls
4. Gymnasium Hall
5. Cricket Ground
6. Football, throw ball and tennicoit
7. Store Room for sports equipment

List of Equipment

Sl. No	List of Equipment in the Gymnasium.
1	Multi Purpose Bench (Multi Gym)
2	Steel Dumbell-50 kg
3	Bench Press
4	Leg Press(Multi Gym)
5	Seated Chest Press(Multi Gym)
6	Dumbbells /Plates/Rods ect.
7	Cross Trainer/Massager
8	Ab Slimmer/Cycle etc
9	Treadmills
10	Vibrator
11	Boxing kit bags

Students Participation at State/National/International Level Sports/Games 2019-2020

S.No	Name of the Student	Name of the Sport/Game	University / National / Inter National Level	Place & Date & Year
1	S Tanish Reddy	Cricket	National Inter-Collegiate Sports	Gitam University Hyderabad 27 th to 28 th December 2019

2	K Sai Teja Goud	Cricket	National Inter-Collegiate Sports	Gitam University Hyderabad 27 th to 28 th December 2019
3	K Sai Kumar Patil	Cricket	National Inter-Collegiate Sports	Gitam University Hyderabad 27 th to 28 th December 2019
4	Ms.S Swapna	Kho-Kho	South Zone Inter University	Ambedkar University, Srikakulam, A.P October 2019
5	Ms.KSravya	Kabaddi	South Zone Inter University	VelTech University, Chennai. October 2019
6	Ms.M Shivani	Handball	South Zone Inter University	Calicut University, Kerala. October 2019
7	Ms.N Kavya Reddy	Handball	South Zone Inter University	Calicut University, Kerala. October 2019
8	Ms. Bhavana	Handball	South Zone Inter University	Calicut University, Kerala. October 2019

2018-2019

S.No	Name of the Student	Name of the Sport/Game	Univ/National/Inter National Level	Place & Date & Year
1	P.Amrutha	Volley ball	Inter College Sports Meet	Gokaraju Rangaraju Institute of Engineering & Technology February 2019
2	P.Amrutha	Volley ball	Natioanl Level	Anurag Group Of Institutions
3	Mr. Nazeem Sharif	Boxing	All India Inter University	Vidyapeet University, Rajasthan. February 2019
4	Mr.B. Shashi Kiran	Boxing	All India Inter University	Vidyapeet University, Rajasthan. February 2019
5	Ms. M. Shivani	Handball	South Zone Inter University	Anna University, Chennai. January 2019
6	Mr.B.Vinod Kumar	Hockey	South Zone Inter University	Annamalai University, Chennai. December 2018
7	Mr.B. Shiva	Handball	South Zone Inter University	Geetham University, Vizag, A.P December 2018
8	Mr.Ranjith Kumar Yadav	Wrestling	All India Inter University	Devi Bansilal University, Haryana November 2018
9	Mr.K. Abhishek-	Baseball	All India Inter University	Panjab University, Patiala. November 2018
10	Mr.M. Dinesh	Kho-Kho	South Zone Inter University	S.V University, Tirupathy, A.P October 2018
11	Ms.Ch.Geethanjali	Volleyball	South Zone Inter University	K.L University, Guntur, A.P October 2018
12	Mr.K. Abhishek-	Softball	All India Inter University	Maharishi Dayanand University, Haryana. February 2018
13	Mr.B.Vinod Kumar	Hockey	South Zone Inter University	Annamalai University, Chennai. January 2018
14	Ganesh (C) and Team of 12 Players	Volleyball	State level	Sports Meet'19 Sreenidhi Institute of Science and Technology Campus, on 23 rd to 25 th September 2019

15	Ganesh (C) and Team of 12 Players	Volleyball	National level	Sports Fest'19 National Institute of Technology Campus, Warangal on 14 th to 15 th April 2019
16	Shiva (C) and Ganesh (C) Team of 24 Players	Handball & Volleyball	National level	Sports Fest'19 Vidya Jyothi Institute of Technology Campus, Hyderabad on 2 nd to 3 rd April 2019
17	Ramesh (C) Teja (C) Sai Kumar Reddy (C) Team of 44 Players	Kabaddi, Kho-Kho, Basketball, Table Tennis & Carroms	National level	Sports Fest'19 Vidya Jyothi Institute of Technology Campus, Hyderabad on 2 nd to 3 rd April 2019
18	Ganesh (C) and Team of 12 Players	Volleyball	State level	Sports Meet'19 Symbiosis Law College Campus, Shadnagar, Hyderabad on 1 st to 2 nd March 2019
19	K. Haritha Rathnam,	Kick-Boxing	National level	Kick-Boxing Federation Cup'19 WAKO Shree Shiv Chhatrapati Sports Complex, Pune on 24 th to 29 th March 2019
20	Ganesh (C) EEE-IV and Team of 12 Players	Volleyball	11 th Indian Open	Sports Fest'19 Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology Bachupally, Hyderabad on 13 th to 14 th February 2019
21	B. Shashi Kiran	Boxing	National level	2 nd All India Invitational Championship'19 Jatin Das Park (Hazra), Kolkata on 22 nd to 25 th January 2019
22	Ganesh (C) EEE-IV and Team of 12 Players	Volleyball	National level	Sports Fest Arena'19 BITS Pilani Hyderabad Campus on 23 rd to 25 th January 2019
23	Ganesh (C) and Team of 12 Players	Volleyball	State level	Sports Meet'19 National Institute of Standards and Technology Campus, Nagole on 7 th to 9 th January 2019
24	Ganesh (C) and Team of 12 Players	Volleyball	National level	Sports Bout'19 Anurag Group of Institution Campus, Gatkesar, Hyderabad on 4 th to 5 th January 2019
25	Ganesh (C) and Team of 12 Players	Volleyball	National level	Sports Fest'18 Cherabudi Venkata Ramana Campus, Hyderabad on 28 th to 29 th December 2018
26	Mr. B. Shashi Kiran	Boxing	State level	2 nd Elite Senior Boxing Championship' Telangana Boxing Association, Lal Bahadur Shastri Stadium, Hyderabad on 24 th to 25 th October 2018
27	Ganesh (C) and Team	Volleyball	National level	Sports Fest Aura'18 Chaitanya Bharathi Institute of

	of 12 Players			Technology Campus, Gandipet, Hyderabad on 18 th to 20 th September 2018
28	Rahul (C) and Team of 12 Players	Volleyball	State level	Sports Meet'18 Tec Mahindra Campus, Medchal on 16 th to 17 th March 2018
29	Rahul (C) and Team of 12 Players	Volleyball	National level	Sports Fest-18 Maturi Venkata Subba Rao Engineering College Campus Hyderabad. 20 th to 21 st March 2018
30	Mr. Pavan Kumar Yadav	Wrestling	National level	Senior National Wrestling Championship'18 Telangana Wrestling Association at Nalgonda on February 2018
31	Rahul (C) and Team of 12 Players	Volleyball	JNTUH Zone-C	Jntuh Zone-C Tournament Malla Reddy College Of Engineering Campus. 22 nd to 23 rd February 2018
32	P. Suman (C) and Team of 12 Players	Kabaddi	National level	Blitz-18 Hyderabad Malla Reddy College Of Engineering Campus. 2 nd to 3 rd February 2018
33	Rahul (C) and Team of 12 Players	Volleyball	State level	Sports Fest-18 BVRIT Hyderabad Campus. 9 th to 10 th January 2018
34	P. Suman (C) and Team of 12 Players	Kabaddi	National level	BITS Pilani Hyderabad Campus. 2 nd to 4 th January 2018

2017-2018

S.No	Name of the Student	Name of the Sport/Game	Univ/National/International Level	Place & Date & Year
1.	Mr.Abhishek	Softball	All-India Inter University	Maharishi Dayanand University, Haryana. February 2018
2.	Mr.B.Vinod Kumar	Hockey	South Zone Inter University	Annamalai University, Chennai. January 2018
3.	Rahul (C) and Team of 12 Players	Volleyball	National	Sports Fest-18 MVSR Campus Hyderabad. 20 th to 21 st March 2018

4.	Rahul (C) and Team of 12 Players	Volleyball	JNTUH Zone-C	Jawaharlal Nehru Technological University, Hyderabad Zone-C Tournament Malla Reddy College of Engineering Campus. 22 nd to 23 rd February 2018
5.	P. Suman (C) and Team of 12 Players	Kabaddi	National level	Blitz-18 Malla Reddy College of Engineering Hyderabad Campus. 2 nd to 3 rd February 2018
6.	Rahul (C) and Team of 12 Players	Volleyball	State level	Sports Fest-18 B.V. Raju Institute of Technology Hyderabad Campus. 9 th to 10 th January 2018
7.	P. Suman (C) and Team of 12 Players	Kabaddi	National level	BITS Pilani Hyderabad Campus. 2 nd to 4 th January 2018
8.	Rahul (C) and Team of 12 Players	Volleyball	State level	Sports Fest-17 ACE Engineering College Campus Hyderabad. 28 th to 30 th December 2017
9.	P. Suman (C) and Team of 12 Players	Kabaddi	National level	Arena One-17 SAKSHI Television Narasimha Engineering College Campus. 23 rd to 24 th December 2017
10.	Naveen (C) and Team of 12 Players	Volleyball	State level	Sports Fest-18 BVRIT Campus Medak. 7 th to 9 th April 2017
11.	Rahul (C) and Team of 12 Players	Volleyball	National level	CHAK DE-17 Sports Fest Guru Nanak Institute of Technology Campus Hyderabad. 30 th March 2017 to 1 st April 2017
12.	Mr.S.S Jawahar Mr.NikhilMr.SwarnenduMs.P.SumanMr.S.H.Akhil	Badminton Volleyball Table Tennis Kabaddi Basketball	National level	Vidya Jyothi Institute of Technology, Hyderabad. 3 rd to 4 th March 2017
13.	B.Shashi Kiran	Kick Boxing	State level	Telangana Elite Senior Boxing Championship, Lal Bahadur Stadium, Hyderabad 14 th to 15 th October 2017
14.	Mr.B.Nikhil Sai	Volleyball	South Zone Inter University	SRM University, Chennai. December 2017
15.	Mr.Shiva	Handball	South Zone Inter University	Anna University, Chennai. October 2017

YOGA

Yoga is widely practiced as a way to plug physical, psychological, and spiritual well-being. Through systematic practice of Yoga, the efficacy of yoga for functioning in healthy individuals and people experiencing illness or pain has been exponentially positive.

VJIT through the practice of Yoga proposes an analog between the physical, psychological, and spiritual effects of the practice among our students and staff. Physical systems activated through yoga practice ensures overall fitness and the psychological benefits include enhanced coping, self-efficacy, and positive mood, while the spiritual mechanisms improve acceptance and mindful awareness. VJIT encourages yoga's influence on students to establish the efficacy of yoga for good health and to know how posture, breath, and meditative activity affect the body, mind, and spirit.

VJIT believes that practicing Yoga can build up a healthy lifestyle. Students are subjected to pressure, which leaves them stressed and with no time to relax. Institute Yoga center regularly conducts sessions, as it shall provide a holistic development among our students. We collaborate with Heartfulness Meditation to conduct weekly sessions to all are faculty and students. Every year International Yoga Day is Celebrated on 21st June at VJIT. The first-year students are introduced to positive practices of Yoga during the Orientation Programme. The faculty are also given yoga sessions to maintain good health.

2020-21

S.No	Activity	Speaker/ Resource Person	Duration From	Duration To	Number of Participants
1	Epigenetics, Wellbeing&Meditation	Dr.Sairam, Cofounder, URBAN KISSAN Inc.,USA & HFN Trainer	03-07-2020	03-07-2020	85
2	COHERENCE- Ensuring a sense of Well-being and purposethroughthehasslesofdailylife	Dr.PariPlavi. MD,PhD, FCGP; Former Professor and HOD, Osmania Medical College	10-07-2020	10-07-2020	64
3	Changeyourthoughtsand changeyourdestiny	Dr SK. Kamruddin, MA., MBA., M.Phil., Ph.D Dept of Management and Commerce, Maulana Azad National Urdu University (A Central University), Hyderabad	17-07-2020	17-07-2020	72
4	How tochangeScalar toVector inthecontext oflife	Dr.P.V.S.Siva Prasad, Professor/CSE, Nalla Malla Reddy Engineering College		24-07-2020	56

5	Leading withHeart	RamanaVemuri Technocrat, Entrepreneur & Heartfulness trainer	21-07-2020	21-07-2020	67
6	Empowerment ofselfpotential	Dr.Suresh Purini Associate Professor, Deptof C.S.E, IIITH	07-08-2020	07-08-2020	68
7	UsingIntuitiveOverIntelligentKno wledgeforDecision-making	Dr.UMA SUBBARAMAN, Ph.D Economist, teacher, management consultant	14-08-2020	14-08-2020	69
8	Impressionsand itsImpacttoourconsciousgrowth	Mr.Srinivas Pamarthi Project Manager, Bank of America, Hyderabad	21-08-2020	21-08-2020	54
9	Aspiration &Lifestyle	V.Madhumati Preceptor & Heartfulness Trainer	20-08-2020	20-08-2020	62
10	ENERGISEyourtime- theHeartfulnessway	Dr K Pavan kumar MBBS, DCH, DNB(pead)	04-09-2020	04-09-2020	72
11	Stressmanagement&sleepwithHear tfulness	Dr.JAYARAMTHIMMAPURAM WellspanYorkhospital, U.S.A and TEDX speaker	11-09-2020	11-09-2020	96
12	EvolutionistranscendencefromGN ANtoVIGNAN	Mr.Manohar Bandarum Founder of a technology start up in smart water management	19-09-2020	19-09-2020	67
13	Journeywelltravelled	Mr. Samir Sahu Technopreneur, Heartfulness Trainer	26-09-2020	26-09-2020	59
14	HowtoExpandourconsciousness	Dr.B.J.C.Babu, RetiredProfessor,BITS,PilaniGOACampus	03-10-2020	03-10-2020	78
15	WorkLifeBalance TheHeartfulnessWay	Mr.B.Goutham Sharma Asst.General Manager, Canara Bank Circle Office,Secunderabad	17-10-2020	17-10-2020	81
16	Nurturing aJoyfulHeart	Mr. D. Anant, Educ tor, Technologist	31-10-2020	31-10-2020	58
17	HowaboutMeditationinCorporate	Mr. Krishna Maramganti	07-11-2020	07-11-2020	68

	World?	Head-Testing CoE, HTC Global Services Inc.			
18	Rejuvenation by Cleaning	Dr.S.S.Ramakrishnan, Retired Professor & Head, Dept.of Metallurgy PSG College of Tech., Coimbatore	21-11-2020	21-11-2020	76
19	Heartful Eating	Mr.Chakradhar, Senior Manager, WIPRO, Hyderabad	28-11-2020	28-11-2020	68
20	Meditation and Inner Engineering	Mr. Manish Agarwal, Independent Financial advisor	04-12-2020	04-12-2020	67
21	Everyone speaks about Meditation but few prefer to Practice	Dr.Mohan Kumar Singuru Dean-Students, MVGR College of Engineering Vizianagaram	19-12-2020	19-12-2020	57
22	Regulation of Mind & Experience of God through Heartfulness meditation	Sri V. R. S. Naga Sarma CA, Retd. GM (Fin.) Hindustan Shipyard Ltd., Vishakapatnam	26-12-2020	26-12-2020	51
23	The purpose of Human existence and steps to achieve with Heartfulness	Mr.V.Ramakrishna M.Tech (IITKGP) Heartfulness Trainer	16-01-2020	16-01-2020	70
24	We are islands within ourselves	Mr. M. Ravikumar, Chartered Accounts	23-01-2021	23-01-2021	56
25	Evolution through Heartfulness	Mr.N.V.Krishna Rao Zonal Coordinator, Heartfulness Institute, Telangana	30-01-2021	30-01-2021	63
26	To live best version of your life	Sri T.V.Ramana Dy.General Manager (Finance & Accounts) The Singareni Collieries Company Ltd., Manuguru	06-02-2021	06-02-2021	54

27	Meditation as a tool from conflict to coherence	Dr.K.Sirisha Family physician and abetologist, Omega Clinics, Kukatpally, Hyderabad	20-02-2021	20-02-2021	66
28	Emotional Intelligence	Capt.Vineet Singh Ranawat Ashram Manager, Kanhash antivanam, Global HQ of Heartfulness	06-03-2021	06-03-2021	71
29	Change your thought Change your destiny	Dr.Mettu Pradeep Reddy, Professor in Paediatrics, Malla Reddy Medical College for women, Suraram, Hyderabad	20-03-2021	20-03-2021	53
30	International Yoga Day Celebrations	Ms. Neelima, Yoga Trainer & Life Skills Trainers Kamakshi Shika, Executive Coach, Life Coach and Corporate Trainer, Heartfulness Institute Dr. Shaik Kamruddin, Assistant Professor, Moulana Azad National Urdu University, Heartfulness Trainer Mr. B Goutham Sharma, Asst. General Manager Canara Bank , Heartfulness Trainer Ms. Veeravalli Bindu, International Yoga Practitioner and Trainer, III Year B.Tech, IT, VJIT.	21.06.2021	25.06.2021	264

2019-20

S. No	Activity	Speaker/ Resource Person	Duration From	Duration To	Number of Participants
1	International Yoga Day	Dr.Pavan, Pediatricist, Brighter Minds and Heartfulness Trainer	21-06-2019	21-06-2019	495

2	Spiritual Retreat Through Heart Fullness	Mr.Manish Agarwal, Independent Financial Advisor, Heartfulness Trainer	08-02-2020	10-02-2020	300
3	Well Being in Society	Sri.V.R.S.Sarma, CA, Retired GM ShipYard and Heartfulness Trainer	14-02-2020	14-02-2020	63
4	Ensuring a Sense of Well-Being in Daily Life	Dr.S.Mohan Kumar, Professor and Heartfulness Trainer	21-02-2020	21-02-2020	61
5	Understanding Purpose of the Hassles Free Living	Mr.V.Rama Krishna, Heartfulness Trainer	28-02-2020	28-02-2020	65
6	Coherence and Cohesive Harmony	Dr.S.S.Rama Krishnan, Retired Professor PSG College and Heartfulness Trainer	06-03-2020	06.03.2020	66
7	Scalar and Vectors in the Life Style	Dr.P.V.S.SivaPrasad,Professor,Nalla Malla Reddy College and Heartfulness Trainer	13-03-2020	13-03-2020	98
8	Heart and Leadings in Live	Dr.Pariplavi, Retired HoD, Osmania Medical College and Heartfulness Trainer	20-03-2020	20-03-2020	95
9	Evolution through Heartfulness	Mr.N.V.Krishna Rao, Zonal Coordinator, Heartfulness and Trainer	27-03-2020	27-03-2020	91
10	Empowerment of Will Power	Mr.B.Manohar, Founder Technology Start up in smart water management and Heartfulness Trainer	03-04-2020	03-04-2020	78
11	Meditation in Decision-Making	Mr.D.Ananth, Educationalist and Heartfulness Trainer	10-04-2020	10-04-2020	84

12	Importance of Inner Peace in Life	Mr. Sameer Sahu, Technoprenuer in IT and Heartfulness Trainer	17-04-2020	17-04-2020	82
13	Intuitive Knowledge Attainment	Dr.P.Suresh, Professor,IITH and Heartfulness Trainer	24-04-2020	24-04-2020	97
14	Life Skills to Achieve Life Goals	Mr.M.Ravi Kumar, CA and Heartfulness Trainer	01-05-2020	01-05-2020	96
15	Inner Conscious Development	Mr.Vijay, AI, Reliance	08-05-2020	08-05-2020	85
16	Impact of Inner Harmony	Dr.Kamaruddin, Professor, Maulana Azad National Urdu University	15-05-2020	15-05-2020	78
17	Lifestyle Before and After Meditation	Dr.Sai Ram Reddy, Cofounder &Director, Urban Kisaan Farms Inc., USA	22-05-2020	22-05-2020	79
18	Boost Your Immune System by Inner Power	Dr.K.Sirisha, Family Physician and Diabetologist, Omega Clinics and Heartfulness Trainer	29-05-2020	29-05-2020	81
19	Peace and Sleep Coordination	Dr.M.Pradeep Reddy, Professor,Pediatrics, Malla Reddy Medical College for Women,Hyderbad and Heartfulness Trainer	05-06-2020	05-06-2020	79
20	Stress Management by Meditation Practices	Sri.T.V.Ramana, Dy General Manager, The SinagareniCollaries and Heartfulness Trainer	12-06-2020	12-06-2020	92
21	Transcendence for Better Lifestyle	Mr.M.Krishna, Head Testing CoE, IITC Global Services and Heartfulness Trainer	19-06-2020	19-06-2020	91
22	International Yoga Day	Dr.K.Indira Pavan, Consultant	21-06-2020	23-06-2020	390

		Dermatologist and Heartfulness Trainer Ms.Kamakshi, Certified Life Coach			
23	Inner Journey for Good well Being Lifestyle	Sri.G.Chakradhar, Senior Manager, Wipro and Heartfulness Trainer	26-06-2020	26-06-2020	93

2018-19

S. No	Activity	Speaker/ Resource Person	Duration From	Duration To	Number of Participants
1	Meditation for Beginners	Dr.P.V.S.SivaPrasad,Professor,Nalla Malla Reddy College and Heartfulness Trainer	21 st January 2019	21 st January 2019	142
2	Restore Positivity and Positive Thinking	Mr.B.Manohar, Founder Technology Start up in smart water management and Heartfulness Trainer	31 st October 2018	31 st October 2018	128
3	What is cleaning	Prof.N.L.V.Prasad Rao, retired Professor, and Heartfulness Trainer	24 th October 2018	24 th October 2018	76
4	Benifits of Meditation	Dr.S.S.Rama Krishnan, Retired Professor PSG College and Heartfulness Trainer	3 rd October 2018	3 rd October 2018	83
5	Importance of prayer	Dr.Kamaruddin, Professor, Maulana Azad National Urdu University	26 th September 2018	5 th September 2018	67
6	Peace Walk	Dr.S.Mohan Kumar, Professor and Heartfulness Trainer	19 th September 2018	13 th August 2018	78
7	The Art of Living	Mr.V.SatyanarayanaRedyy, Civil Engineer and Art of Living Trainer	12 th September	12 th September	112

8	Happiness in Corporate World	Sri.G.Chakradhar, Senior Manager, Wipro and Heartfulness Trainer	5 th September	5 th September	89
9	Being Lost	Mr.M.Krishna, Head Testing CoE, IITC Global Services and Heartfulness Trainer	29 th August	29 th August	93
10	Understanding Peace	Mr.Vijay, AI, Wipro and Heartfulness Trainer	22 nd August	22 nd August	76
11	Let go of worries and anxiety	Dr.K.Sirisha, Family Physician and Diabetologist, Omega Clinics and Heartfulness Trainer	15 th August 2018	15 th August 2018	91
12	How Habits change Destiny	Sri.T.V.Ramana, Dy General Manager, The SinagareniCollaries and Heartfulness Trainer	8 th August 2018	8 th August 2018	94
13	Anti-Ragging Awareness Program and Haritha-Haaram,	Samshabad zone DCP Ms.Padmaja Reddy, Moinabad CI Mr. Venkateswarlu and SI Mr.Mahendranath	28 th July 2018	28 th July 2018	88
14	The Science of Stillness	Dr.Pariplavi, Retired HoD, Osmania Medical College and Heartfulness Trainer	24 th July 2018	24 th July 2018	75
15	Meditation Follow Up session	Prof.N.L.V.Prasad, retired Professor, and Heartfulness Trainer	2 nd July 2018	2 nd July 2019	104
16	International yoga day celebrations at VJIT	Dr. A. Sadananda chary, Prof. Osmania University	21 st June 2018	21 st June 2018	340

2017-18

S. No	Activity	Speaker/ Resource Person	Duration From	Duration To	Number of Participants
1	A journey within you	Sri.G.Chakradhar, Senior Manager, Wipro and Heartfulness Trainer	7 th March 2018	7 th March 2018	155
2	How to control your thoughts and emotion	Mr.B.Manohar, Founder Technology Start up in smart water management and Heartfulness Trainer	7 th February 2018	7 th February 2018	109
3	Navigative the ocean of life with peaceful mind	Prof.N.L.V.Prasad Rao, retired Professor,VJIT and Heartfulness Trainer	3 rd January 2018	3 rd January 2018	99
4	In campus meditation master classes for faculty	Prof.N.L.V.Prasad, retired Professor, and Heartfulness Trainer	29 th December 2017	30 th December 2017	32
5	The Purpose of Human Existence	Mr.M.Krishna, Head Testing CoE, IITC Global Services and Heartfulness Trainer	1 st November 2017	1 st November 2017	92
6	Regulation of Mind	Dr.P.V.S.SivaPrasad,Professor,Nalla Malla Reddy College and Heartfulness Trainer	27 th September	27 th September	87
7	Change Your Thought	Dr.M.Pradeep Reddy, Professor, Pediatrics and Heartfulness Trainer	6 th September 2017	6 th September 2017	67
8	We are islands within ourselves	Dr.Pariplavi, Retired HoD, Osmania Medical College and Heartfulness Trainer	23 rd August 2017	23 rd August 2017	89
9	Evolution through Heartfulness	Dr.Kamaruddin, Professor, Maulana Azad National Urdu University	9 th August 2017	9 th August 2017	95
10	International yoga day	Dr. A. Sadananda chary, Prof. Osmania University	21 st June 2017	21 st June 2017	70
11	Weekly meditation class	Mr.Vijay, AI, Wipro and Heartfulness Trainer	7 th June 2017	7 th June 2017	67

NATIONAL SERVICE SCHEME (NSS)

- NSS activities are partially financed by the affiliating University. **E. Giri Prasad Goud** is the Coordinator. The college has provided a separate office and other facilities are created to run this program.

- This unit organizes Medical Camps, awareness of nutrition issues among the villagers, environmental protection, and education awareness programme among rural population.
- The institute has UBA center and received Rs. 50,000/- funding from MHRD. Unnat Bharat Abhiyan, a flagship national program of Ministry of Human Resource Development (MHRD), Government of India and IIT Delhi to develop villages in the vicinity of Institution. Under this we have adopted 2 villages Reddypally Village, Moinabad Mandal, and Aziz Nagar Bakaram.
- Every year NSS team organizes one week special camp to the near by villages of the Institute.
- NSS 5th special camp was organized during 29th March 2019 to 4th April 2019 at Reddypally Village, Moinabad Mandal, Ranga Reddy, Telangana. The camp involved 40 NSS volunteers. The village is about 10 km away from VJIT and having a population of 1000. The following activities are conducted.

S. No	Date	Event	Organized at
2021-2022			
1.	25 th October 2021	Breast Cancer Awareness	VJIT NSS & Dr. Reddy's Foundation for Health Education
2.	11 th October 2021	Karaoke (Fund Raising Event)	VJIT
3.	2 nd October 2021	Fit India Freedom Run	JNTUH
4.	27 th September 2021	Importance Of Adherence To Diabetes Therapy	VJIT
5.	25 th September 2021	Pre RD Selections	JNTUH
6.	24 th September 2021	NSS DAY	VJIT
7.	5 th September 2021	Teachers Day	VJIT NSS
8.	4 th September 2021	'National Wild Life Day'	VJIT NSS
9.	15 th August 2021	'Independence Day Celebrations'	VJIT NSS
10.	24 th July 2021	Haritha Haram-2021	VJIT NSS
11.	19 th July 2021	Ergonomics	VJIT NSS & Dr. Reddy's Foundation for Health Education

12.	15 th July 2021	Anthakshari (A Faculty Recreation Program)	VJIT NSS
13.	10 th July 2021	Awareness program on Cyber Crime	VJIT NSS & VJIT Women Empowerment Cell
14.	29 th June 2021	Pandemics, Immunity & Immunization	VJIT NSS & Dr. Reddy's Foundation for Health Education
15.	21 st June 2021	International Yoga Day Celebrations	VJIT NSS
16.	20 th June 2021	International Father's Day	VJIT NSS
17.	16 th June 2021	Covid-19 Vaccination drive	VJIT NSS & Anurag University
18.	12 th June 2021	World Day Against Child Labour	VJIT NSS
19.	25 th May 2021	Revised Guidelines for Prevention and Management of Covid-19	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
20.	11 th May 2021	Managing High Blood Pressure (HYPERTENSION) during these challenging times	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
21.	6 th May 2021	SWACHATHA	VJIT (VJIT NSS, VJIT REDC & MGNCRE)
22.	5 th May 2021	Nutrition Care- During and post COVID	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
23.	12 th April 2021	Discussions with Sarpanch of Aziznagar Village on Empowering Rural Women	VJIT (VJIT NSS) & AZIZNAGAR
24.	9 th April 2021	Survey conducted on Income Generation of Women in Aziznagar Village	VJIT NSS & VJIT WEC
25.	8 th March 2021	International Women's Day Celebrations	VJIT NSS, VJIT WEC
26.	8 th March 2021	2K Run in Support of Women in Farming	VJIT NSS, VJIT WEC
27.	6 th March 2021	Virtual Discussion on POSH	VJIT NSS, VJIT WEC
28.	29 th & 30 th January	Rural Entrepreneurship Awareness Program	VJIT NSS, VJIT REDC
29.	8 th January 2021	Rangoli Competition	VJIT NSS & Yukthi
30.	6 th January 2021	Rural Entrepreneurship Awareness Program	VJIT NSS, VJIT REDC
31.	26 th November 2020	Webinar on Constitution Day	VJIT NSS
32.	16 th October 2020	Bathukamma	VJIT NSS & Yukthi

33.	02 October 2020	Circular Economy	VJIT NSS
34.	15 th August 2020	Independence Day Celebrations	VJIT NSS
35.	21 st June 2020	International Yoga Day	VJIT NSS

S. No	Date	Event	Organized at
2019-2020			
1.	3 rd May 2020	COVID-19 Activity- 7 (Groceries Distribution)	Mokilathanda, Shankarpally
2.	27 th April 2020	COVID-19 Activity-6 (Groceries Distribution)	Gachibowli,
3.	24 th April 2020	COVID-19 Activity-5 (Groceries Distribution)	Bibinagar
4.	18 th April 2020	COVID-19 Activity- 4 (Groceries Distribution)	Nanakramguda,
5.	18 th April 2020	COVID-19 Activity-3 (Groceries Distribution)	Indira nagar,
6.	6 th April 2020	COVID-19 Activity-2 (Groceries Distribution)	Kothaguda
7.	6 th April 2020	COVID-19 Activity- 1 (Groceries Distribution)	Kondapur
8.	8 th March 2020	Women's day celebrations	VJIT
9.	7 th , 8 th & 9 th February 2020	Spiritual Retreat (Meditation)	Kanha Shanthi Vanam
10.	25 th January 2020	Health Camp	Vidya Jyothi Institute of Technology
11.	2 nd October 2019	Swachh Bharat & say no to plastic campaign	Bandlaguda Jagir Municipal Corporation
12.	31 st August 2019	Go Green Ganesha	Vidya Jyothi Institute of Technology
13.	24 th to 25 th August 2019	AirTel Marathon	Ganti Mohana Chandra Balayogi SATS Indoor Stadium
14.	17 th August 2019	Haritha Haram	Vidya Jyothi Institute of Technology
15.	15 th August 2019	Independence Day Celebrations	Vidya Jyothi Institute of Technology
16.	19 th to 20 th July 2019	Rural immersion Programme	Vidya Jyothi Institute of Technology
17.	21 st June 2019	International Yoga Day	Vidya Jyothi Institute of Technology

S.No	Date	Event	Organized at
2018-2019			
1	29 th March 2019 to 4 th April 2019	NSS Special Camp	Reddypally Village, Moinabad Mandal, Ranga Reddy, Telangana
2	2 nd February 2019	University level youth festival	Jawaharlal Nehru Technology University Hyderabad
3	26 th January 2019	Republic day celebrations	Vidya Jyothi Institute of Technology
4	24 th September 2018	Inter college youth festival and NSS day	Anurag Group of Institutions, Hyderabad
5	15 th August 2018	Independence day	Vidya Jyothi Institute of Technology
6	28 th July 2018	Anti Ragging Awareness programe&Harithaharam	Vidya Jyothi Institute of Technology
7	21 st June 2018	Yoga day	Vidya Jyothi Institute of Technology
2017-2018			
1	3 rd February 2018	University level youth festival	Jawaharlal Nehru Technology University Hyderabad
2	26 th January 2018	Republic day celebrations	Aziznagar govt. school
3	26 th January 2018	NSS parade	Vidya Jyothi Institute of Technology
4	11 th January 2018	Wall of kindness	Vidya Jyothi Institute of Technology
5	11 th January 2018	Road safety awareness program	Vidya Jyothi Institute of Technology
6	11 th January 2018	NSS orientation day	Vidya Jyothi Institute of Technology
7	17 th August 2017	Women Empowerment – SHE TEAM	Vidya Jyothi Institute of Technology
8	15 th August 2017	Independence Day Celebrations	Rakshana Deepam Moinabad Mandal RR.
9	5 th August 2017	University Level Swachh Pakwadaprogramme	Jawaharlal Nehru Technology University Hyderabad
10	29 th July 2017	Haritha Haram	Zilla Parishad High School Moinabad, Himayathnagar Village Moinabad
11	23 rd July 2017	Plantation Drive	RegulakuntaCheruvu, Deepthi Nagar, Miyapur, HYD
12	15 th July 2017	Lake Cleaning Drive	RegulakuntaCheruvu, Deepthi Nagar, Miyapur, Hyderabad

13	14 th July 2017	Haritha Haram – 2017	Vidya Jyothi Institute of Technology
14	1 st July 2017	Organ Donation Campaign	Shilapakala Vedika, Hitech City
15	21 st July 2017	International Yoga Day – 2017	Vidya Jyothi Institute of Technology
2016-2017			
1	7 th May 2017	Wings for Life – World Run	People’s Plaza Necklace Rd, Raj Nagar, Khairatabad, Hyderabad
2	26 th April 2017	Health Camp-2017	Vidya Jyothi Institute of Technology
3	23 rd April 2017	Volunteering for Fission Labs	Nalgonda, Telangana
4	23 rd April 2017	5k run for Malaria Free India	People's Plaza Necklace Rd, Raj Nagar, Khairatabad, Hyderabad
5	22 nd April 2017	Earth Day 2017	Vidya Jyothi Institute of Technology
6	22 nd April 2017	Blood Donation Camp	Vidya Jyothi Institute of Technology
7	14 th April 2017	National Workshop on State & Central Schemes for SC/ST & BC	Jawaharlal Nehru Technology University Hyderabad
8	20 th to 21 st March 2017	National Level Youth Meet on Safe Water for Future	Malla Reddy Engineering College, Dhulapally, Hyderabad.
9	10 th to 16 th March	4 th Special Camp	Anthappaguda Village, Shankarpally Mandal, RR (Enclosed Separate PDF File)
10	9 th February 2017	Promotion on Cashless Transaction	Vidya Jyothi Institute of Technology
11	7 th to 8 th February 2017	State Level NSS Youth Festival	Jawaharlal Nehru Technology University Hyderabad
12	4 th February 2017	University Level NSS Youth Festival	Jawaharlal Nehru Technology University Hyderabad
13	28 th January 2017	Red Ribbon Club Program	Osmania University, Hyderabad
14	22 nd January 2017	University Level Young Voter’s Festival	Jawaharlal Nehru Technology University Hyderabad
15	22 nd January 2017	Awareness Program on Bhuvan Panchayat App by National Remote Sensing Centre	Institution of Electronics and Telecommunication Engineers, Hyderabad
16	8 th January 2017	Village Awareness program on digital payment	Bakaram Village, Moinabad Mandal, Hyderabad
17	29 th December 2016	Awareness Program on Digital Payment	Vidya Jyothi Institute of Technology

18	22 nd December 2016	Training Workshop on Digital Training Workshop	Jawaharlal Nehru Technology University Hyderabad
19	29 th September 2016	Save Water Campaign	Vidya Jyothi Institute of Technology
20	11 th July 2016	Haritha Haram	Vidya Jyothi Institute of Technology
21	8 th July 2016	Tree Plantation Program - Haritha Haram-Cyberabad Commissionerate, Gachibowli	Cyberabad Police Commissionerate along with Vanguards
22	24 th June to 18 th July 2016	Tree Plantation Program - Haritha Haram- Moinabad Plantation	20 Govt. Schools of Moinabad Mandal, Council for Green Revolution, & Vanguards
23	14 th June 2016	World Blood Donors Day – 2016	At Hitech City by NTR Trust
24	27 th April 2016	First Aid Kit Distribution	Vidya Jyothi Institute of Technology

Activities done under Special Camp

S. No	Date	Event	Organized at
2019-2020			
1.	3 rd May 2020	COVID-19 Activity- 7 (Groceries Distribution)	Mokilathanda, Shankarpally
2.	27 th April 2020	COVID-19 Activity-6 (Groceries Distribution)	Gachibowli,
3.	24 th April 2020	COVID-19 Activity-5 (Groceries Distribution)	Bibinagar
4.	18 th April 2020	COVID-19 Activity- 4 (Groceries Distribution)	Nanakramguda,
5.	18 th April 2020	COVID-19 Activity-3 (Groceries Distribution)	Indira nagar,
6.	6 th April 2020	COVID-19 Activity-2 (Groceries Distribution)	Kothaguda
7.	6 th April 2020	COVID-19 Activity- 1 (Groceries Distribution)	Kondapur

5th Special camp at Reddypally village, Moinabad mandal: 29th March 2019 to 4th April 2019

Day	Date	Day	Programme
Day 1	29 th March 2019	Friday	Special camp Inauguration Skill Development and Interactive session to the students
Day 2	30 th March 2019	Saturday	Village Household survey

Day 3	31 st March 2019	Sunday	Creating awareness on Yoga Conducted Cultural events to the students
Day 4	1 st April 2019	Monday	Organized Swatch Bharat in the entire village.
Day 5	2 nd April 2019	Tuesday	Dental camp Creating awareness on self-Health
Day 6	3 rd April 2019	Wednesday	Visited Vivekananda old age home and distributed fruits to the senior citizens
Day 7	4 th April 2019	Thursday	Creating awareness on Girl Health and distributed necessary kits to the students

Institute encourages students to participate in extension activities and to help neighborhood community. Institute has different social activity clubs like HITA, AKROSH AND Avashah-Handa. NSS teams participated & organized camps in the flood affected areas of Warangal, Mahaboobnagar District and Kurnool Town and distributed food material to about three hundred families. In addition to this, protected water sachets bread and biscuits were distributed for a period of one week.

HITA-SERVICE WITH PLEASURE

HITA

HITA is a student service club: where students are working with pleasure for the betterment and development of the society, helping and understanding the needs of the under privileged society. HITIAN's believe that in the word of "Service to Mankind is Service to God" but it has to be done with pleasure and hence a thought was evoked of forming a Club named – HITA.

S.No	Date	Name of the Event	In Collaboration with	Organized at
2018-2019, 2019-20				
1	8 th February 2020	Spiritual Retreat Through Heart fullness	Vidya Jyothi Institute of Technology	Kanha, shanthivanam, Heart fullness centre, Hyderabad
2	19 th October 2019	Diwali sweets distribution	Vidya Jyothi Institute of Technology	Manikonda to unprivileged children
3	7 th September 2019	Awareness on use of eco-friendly	Yukthi	Vidya Jyothi Institute of Technology

		ganesha idols & also distributed rose saplings		
4	8 th March 2019	Charity stall in phoenix -2k19	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
2017-2018				
1	29 th July 2017	Haritha Haram	Vidya Jyothi Institute of Technology	ZPHS Moinabad, Himayath nagar Village Moinabad
2	23 rd July 2017	Plantation Drive	LIVE THE LAKE Initiative, SAHE and GHMC	Regulakunta Cheruvu, Deepthi Nagar, Miyapur, Hyderabad
3	14 th July 2017	Haritha Haram – 2017	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
4	26 th April 2017	Health Camp-2017	Abbott Pharmaceutical Limited, Hyderabad	Vidya Jyothi Institute of Technology
5	22 nd April 2017	Earth Day 2017	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
6	22 nd April 2017	Blood Donation Camp	Lions Club, Jubilee Hills	Vidya Jyothi Institute of Technology
2016-2017				
1	13 th April 2017	HITA Anniversary	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
2	12 th January 2017	Kite and Rangoli Festival	Yukthi	Vidya Jyothi Institute of Technology
3	9 th January 2017	New Year Thanks Giving Event	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
4	1 st January 2017	Blanket Distribution	Vidya Jyothi Institute of Technology	Banjarahills, Hyderabad
5	25 th December 2016	Thanksgiving Event at an Orphanage	Vidya Jyothi Institute of Technology	Mathruabhaya Foundation, Medipally Uppal

6	28 th October 2016	Eco-Friendly Diwali	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
7	29 th September 2016	Save Water Campaign	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
8	16 th August 2016	Donation of Clothes and Toys	Vidya Jyothi Institute of Technology	Shanti Nilayam, Bakaram Village, Moinabad Mandal.
9	11 th July 2016	Haritha Haram	Telangana Government	Vidya Jyothi Institute of Technology
10	8 th July 2016	Tree Plantation Program - Haritha Haram	Cyberabad Police Commisionerate, Vanguard	Cyberabad Police Commisionerate, Gachibowli
11	24 th June to 18 th July 2016	Tree Plantation Program - Haritha Haram	Council for Green Revolution, Vanguard	20 Govt. & Private Schools Moinabad mandal
12	14 th June 2016	World Blood Donors Day – 2016	Nandamuri Taraka Ramarao Trust	Hitech City, Hyderabad
13	10 th March 2016	Wealth out of waste	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
14	18 th February 2016	Visit to an Orphanage	Vidya Jyothi Institute of Technology	Shantinilayam, Bakaram
15	5 th January 2016	Chennai Flood Relief Program	Vazahi, Bangalore and Peace Welfare Society, Hyderabad	Vidya Jyothi Institute of Technology

Apart from the NSS activities, VJIT has other active NGO associations like **Street cause**, **NAP Foundation** - Helping Hands for Children, **Earthlings and Cultigate**. Under these associations number of activities have been conducted.

STREET CAUSE

Street Cause, a Hyderabad based student run NGO, is spread across 30+ undergraduate institutions all over the twin cities. Street Cause is an NGO comprising of students who intend on doing their bit, for the betterment of society with the objective of helping the underprivileged and destitute in every way possible. Every volunteer ensures utmost commitment and transparency throughout his/her term. The organization abides by its rules and keeps the incomes and expenses completely transparent.

Street Cause VJIT has won the “Best Youth Organization Award” in the year 2010. A few of the events have been conducted in collaboration with corporates such as Deloitte, Gold Drop Industries, Indian Red Cross Society and others.

STREET CAUSE ACTIVITIES

S.No	Date	Name of the Event	Organized at
2020-2021			
1.	9 th September 2021	Go Green Ganesha	Vidya Jyothi Institute of Technology
2.	4 th January 2021	Reconstruction of washrooms	SiaraHomes, Vanasthalipuram
3.	6 th December 2020	Providing basic needs to home.	Asha kuteer, Uppal
4.	25 th October 2020	Flood Project-II	Ranganayakulugutta, Hayathnagar
5.	17 th October 2020	Flood Project-I	Ranganayakulugutta, Hayathnagar
6.	2 nd October 2020	Slum project-II	Slum in Bachupally
7.	3 rd September 2020	Installation of electricals	Sanihithahomes, secunderabad
8.	31 st August 2020	Installation of RO water purifier	Sudheer foundation, Hyderabad
9.	23 rd August 2020	Adoption of families in Slum	Slum in Bachupally
2019-2020			
1.	24 th April 2020	Covid-19, Project-5	Banjarahills, Hyderabad
2.	22 nd April 2020	Covid-19, Project-4	Sarooragar, Hyderabad
3.	18 th April 2020	Covid-19, Project-3	Sudheetfoundation, Hyderabad
4.	31 st March 2020	Covid-19, Project-2	Vathsalayahomes, Hyderabad
5.	28 th March 2020	Covid-19, Project-1	SanihithaHomes, secunderabad
6.	29 th November 2019	Installation of pipes, motor, water tank	SanihithaHomes, secunderabad
7.	29 th August 2019	Eco-Dantha	Aziznagar, Moinabad
2018-2019			
1	4 th August 2019	Day Spent in orphanage	Shanthi Nilayam, Moinabad
2	16 th June 2019	Day Spent in orphanage	Shanthi Nilayam, Moinabad
3	15 th August 2018	Independence day celebrations	Shanthi Nilayam, Moinabad

4	18 th September 2018	Provided Printer	Shanthi Nilayam, Moinabad
2017-2018			
1	4 th to 10 th March 2018	Books donated to orphanage	Shanthi Nilayam, Moinabad
2	1 st April 2018	Run 4 Cause	People's plaza, Hyderabad
3	14 th January 2018	Hyderabad youth assembly	Carlton business school, Suryanagar colony, Somajiguda
4	24 th December 2017	Blanket distribution for old age people	Gudimalkapur, Mehdipatnam, Hyderabad
5	21 st to 23 rd October 2017	A fund raiser box cricket tournament	Government college of physical Education Domalguda
6	22 nd October 2017	Pedal for a Cause 2.0	Hyderabad Bicycling Club, Necklace Road, Hyderabad
7	2 nd September 2017	Bucket Nimarjanam	Necklace Road, Hyderabad
8	27 th August 2017	Leadership is the capacity to translate vision into reality	Carlton Business School, Suryanagar colony, Somajiguda
2016-2017			
1	8 th April 2017	Impact Day	Hydershakote Village, Hyderabad
2	19 th January 2017	Clothes donations for differently abled	Nanal Nagar, Hyderabad
3	7 th January 2017	An effort towards cashless economy	Mehdipatnam, Hyderabad
4	3 rd January 2017	Stress releasing techniques for retired residents	Chilkaiguda, Secunderabad
5	2 nd January 2017	Clothing and Blanket Drive for Women	Vidya Jyothi Institute of Technology & Mehdipatnam
6	31 st December 2016	Reuse of plastic water bottles	Suncity, Bandlaguda, Hyderabad
7	6 th December 2016	Blanket Drive	Different Areas of Hyderabad
8	30 th October 2016	Women Empowerment	Nanal Nagar, Hyderabad
9	28 th October 2016	Home for the aged and disabled	Mehdipatnam, Hyderabad

10	6 th October 2016	Women Empowerment	Radha Krishna Balika Bawan
11	3 rd October 2016	Career Guidance in orphanage	Bairagiguda, Suncity
12	2 nd October 2016	Public awareness program for stagnation of water and construction of bathukamma pond	Padma Rao Nagar, Secunderabad
13	30 th September 2016	Visit to the Home for the old and differently abled	Kinnera Welfare Society, Hyderabad

NAP FOUNDATION - HELPING HANDS FOR CHILDREN

NAP Foundation is an NGO run by Kandula Neha. This NGO has started in the year of January 2018. It has adopted an Orphanage and is been looking after those 80 kids who are staying in the orphanage. The main motto is to bring out HIDDEN talent in CHILDREN and also to help NEEDY. A Team of 50 Volunteers who always participates in all kinds of events in collaboration with other organizations and NGOs for Volunteering

Activities Conducted NAP

S.No	Date	Event Name	Collaboration	Organized at
2018-2019				
1.	15 th November 2020	Special Dinner	Vidya Jyothi Institute of Technology	Ashritha Orphanage
2.	24 th July 2020	Special Dinner	Vidya Jyothi Institute of Technology	Ashritha Orphanage
3.	9 th April 2020	Groceries Distribution to health care workers	Vidya Jyothi Institute of Technology	NAP Foundation - Secunderabad
4.	23 rd February 2020	EYE CAMP	Lions Club and Vidya Jyothi Institute of technology	Ashritha Orphanage
5.	27 th October 2019	Diwali Celebrations	Vidya Jyothi Institute of Technology	Asritha Orphanage
6.	18 th September 2019	Clothes Donation	Vidya Jyothi Institute of Technology	Asritha Orphanage
7.	15 th August 2019	Rakhi Celebrations	Vidya Jyothi Institute of Technology	Asritha Orphanage
8.	22 nd June 2019	Books Distribution	Vidya Jyothi Institute of Technology	Asritha Orphanage
9.	7 th April 2019	Dental Camp	Astheticdent Dental and cosmic clinic	Asritha Orphanage
10.	10 th March 2019	Pinkathon	Colors and Bajaj Electronics	Necklace Road, Hyderabad
11.	18 th February 2019	Tribute to Martyred Soldiers	Sai Maa Study Center	Gandhi Nagar, Hydeabad

12.	1 st January 2019	New Year Celebrations	Vidya Jyothi Institute of Technology	Asritha Orphanage
13.	2 nd December 2018	Sweater Distribution	Vidya Jyothi Institute of Technology	Asritha Orphanage
14.	14 th November 2018	Children's Day Celebration	Vidya Jyothi Institute of Technology	Asritha Orphanage
15.	8 th October 2018	Grace cancer Run	Grace Cancer Foundation	Jalavihar, Hyderabad
16.	26 th August 2018	Airtel Hyderabad Marathon	Hyderabad Runners	Somajiguda, Hyderabad
17.	20 th May 2018	Whitathon	L.V Prasad EyeInstitute	Peoples Plaza, Hyderabad

EARTHLINGS NGO

Earthlings an Environmental NGO runs by **Sriram Arumilli** founded on Oct- 2016. Their Mission is to protect Environment. A team of 80 volunteers are working to Creating awareness to people about protecting the environment with innovative methods. They organize, large scale plantations, cleaning, renovating and protecting inland water bodies.

Activities Conducted

S. No	Date	Event Name	Collaboration	Organized at
2019-2020				
1.	16 th February 2020	Adorn Hyderabad	Lions Club and Vidya Jyothi Institute of technology	Khairtabad
2.	13 th October 2019	Race for Grace	Grace Cancer Foundation	IMAX, Hyderabad
3.	25 th August 2019	Airtel Marathon Hyderabad	Waste Management Partner	Ganti Mohana Chandra Balayogi Athletic <i>Stadium</i>
4.	21 st July 2019	Seed Ball Making	Vidya Jyothi Institute of Technology	Kukatpally Housing Board, Hyderabad
2018-2019				
5.	19 th May 2019	Anti Plastic Awareness Camp	Vidya Jyothi Institute of Technology	Kukatpally Housing Board, Hyderabad
6.	24 th February 2019	Hyderabad Club Run	Waste Management Partner	University of Hyderabad
7.	10 th February 2019	Saveathon	HDFC Bank	Peoples Plaza, Necklace road, Hyderabad
8.	27 th January 2019	Adorn Hyderabad	Vidya Jyothi Institute of Technology	Secunderabad Railway Station
9.	2 nd December 2018	Beat the Cold	Vidya Jyothi Institute of Technology	Nanal Nagar, Hyderabad

10.	7 th October 2018	Race for Grace	Grace Cancer Foundation	Necklace Road, Hyderabad
11.	18 th September 2018	Clay Idol Distribution	Eco-Friendly Ganesh	Value Labs, Hyderabad
12.	27 th August 2018	Airtel Hyderabad Marathon	Waste Management Partners	Ganti Mohana Chandra Balayogi Athletic <i>Stadium</i>
13.	1 st July 2018	Adorn Hyderabad	Vidya Jyothi Institute of Technology	Begumpet, Hyderabad
14.	18 th March 2018	Spreading Smiles	Vidya Jyothi Institute of Technology	Mahima Ministries, Chandanagar, Hyderabad

CULTIGATE

Cultigate - Start up started by **SanghishettyPraneeth** in the year of July 2019. At present there are 110 Volunteers to support their cause. They trade all kind of plants and plant accessories at reasonable prices. They are unique at selling ayurvedic plants which are very rare and which cures many diseases and all the money earned will be used for awareness events and social causes.

In future they will create a platform where people can come and explore their hidden talents, OT (open talks) chapter. Within 2 years cultigate is planning to start an eco friendly store and supply unique handmade products.

Activities Conducted:

S.No	Date	Event Name	Organized at
1.	2 nd February 2021	Ride for nature	North INDIA.
2.	5 th June 2020	Planted Saplings	Aziz Nagar, Moinabad.
3.	29 th May 2020	Team CultigateFromVijayawada.Distibuted Groceries For Poor People.	Vijayawada, AP.
4.	5 th May 2020	Groceries distribution for poor.	Lower Tankband, Nathaji Nager.
5.	30 th April 2020	One meal a day	Hyderabad.
6.	9 th April 2020	Food packet distribution	East Zone of Hyderabad.
7.	8 th April 2020	Food packet distribution	West Zone of Hyderabad.
8.	5 th April 2020	Food packet distribution	South Zone of Hyderabad.
9.	4 th April 2020	Food packet distribution	North Zone of Hyderabad.
10.	25 th Decemeber 2019	Blanket donation	Medhipatnam, Gudimalkapur.
11.	2 nd November 2019	HARSHAVARDHAN	Vidya Jyothi Institute of Technology

12.	15 th September 2019	Food Donation at Orphanage	Government Primary School, Hyderbasti, Secunderabad
13.	30 th August 2019	Distribution of Eco Friendly Ganesha and plant	Vidya Jyothi Institute of Technology , Hyderabad
14.	14 th August 2019	Clothes and Food Donation to Homeless	Gandhi Hospital, Secunderabad
15.	7 th August 2019	Food and Book Donation at Orphanage	Government Primary School, Hyderbasti, Secunderabad
16.	5 th August 2019	Planting and Distribution of 500 plants with children	VivekaVardhani School, Aziz Nagar, Hyderabad

Co-Curricular and Extra Curricular Activities

VJIT conducts subsequent/underneath events annually to reflect positive personality development amongst students as a part of curricular/ co-curricular activities.

All the events/clubs are organized by student teams respectively demonstrating their leadership and team skills.

Annual Events

Phoenix (February) Phoenix is the college's annual technical and sports fest that happens in the month of February where in the sports events are handled by sports coordinators and the technical events are handled by the respective department's students.

Crescendo (March) Crescendo is the college's annual cultural fest which is organized by the students from the Yukthi club in the month of March. The cultural club conducts workshop on various arts on the college's annual day.

Several competitions like mimicry, singing, and dance battles are conducted. Participation from the other college's also observed.

Teacher's Day (5th of September) after our parents, the people who most significantly impact our lives – and a life-long love for a particular subject – are our teachers. Teachers' Day is an occasion to celebrate this unique role that gives adults the power to shape young minds and thereby the future of a country. Teacher's day is celebrated every year on the 5th of September and is conducted by the college students.

Women's Day (8th of March) A few competitions like Mehendi designs, Rangoli, Elocution, Hair Styling, Paper Craft, and Women Entrepreneurship were proposed to draw parallels between work and healthy entertainment.

Bathukamma (October) “Bathukamma” – Telangana’s floral festival marks the beginning of sharadhruthuvu which is celebrated in the month of October. All the women folk at VJIT, in their traditional attire assembled, celebrated in the campus, with the floral conical stacks placed in the centre, women of vjit then danced around clapping hands in rhythm moving in unison. The celebration was followed by Dandiya a traditional folk dance form performed especially at Navaratri Days, originated in Vrindavan by Lord Krishna.

Clubs:

Photography Club: A couple of students from the Vidya Jyoti Institute of Technology who were very passionate about photography and the technique that lies underneath every extraordinary picture, started a club known as “VJIT PGC” in the year 2013. Some of the competitions are selfie contest, musical.ly contest, dubsplash contest, etc that are the current trends on the social networking media as of today. The facebook link is given below

<https://www.facebook.com/VJITPGC/>

Literary Club: The literary club aims to develop analytical and creative thinking skills. It offers opportunities to appreciate different types of literature and increase their own literary skills. The Literary Club aims at not only refining the literary skills of the students but also developing in them logic and curiosity to know more and to instill in them a confidence to speak well. They conduct debate, elocution and floor crossing competitions.

Dance Club: The College’s dance club has been taking care of all the dance related activities that take place during the Crescendo (that takes place in the month of march).

SPICMACAY (Society for the Promotion of Indian Classical Music and Culture amongst Youth): It is a non-political, nationwide voluntary movement founded in 1977 by Dr. Kiran Seth, Professor-Emeritus at IIT-Delhi who was awarded the ‘Padma Shri’ for his contributions to the art in 2009. Spicmacay VJIT was established with its main objective being the collaboration of students from different years and branches coming together to represent various Indian Art Forms. We have a team of dedicated classical dancers, singers and instrumentalists who are ever-ready and proud to display their interest in various cultural art forms. We aim at showcasing the beauty that our culture beholds.

VJIT Radio: The VJIT Campus radio program which is powered by Younify, is a program which is run by students from various branches and years working together to make this a success. We are a team of 32 members who are divided into 8 different teams where each team works on the individual focused task with only one aim in mind to get out listeners the best content possible and one they truly deserve. The first show was aired on the 7th June 2020. The aim of the college radio is to make the students not lose the connection with the college during the lockdown period.

Annual Events 2021-2022

S. No	Event	Date	Chief guest
1	Bathukamma Celebrations	11 th October 2021	Gongidi Sunitha, MLA, Alair, Telangana
2	Teachers day	4 th September 2021	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology.
3	Independence day	15 th August 2021	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology.
4	Cybercrime awareness Program	7 th July 2021	B.Raju-Moinabad CI
5	International Yoga day celebration	21 st to 23 rd June 2021	K.Neelima HFN Yoga Trainer ,S.Kamakshi IL Executive Coach ,Life Coach ,Corporate Trainer ,Dr.Shaik Kamruddin ,Heartfulness Trainer ,B.Goutham Sharma Heartfulness Trainer

Annual Events 2020-2021

S. No	Event	Date	Chief guest
1	Women's Day	6 th March 2021	Sunaina Ticko, Founder & CEO Brainpreneurs ,SreeLatha Shankar HR Professional ,Geeta Goti HR Corporate Governance and Labour Compliance
2	MOU with EEE CS, Hyderabad	8 th February 2021	Er.Rakesh Reddy, MD EE Engg. Construction services
3	Republic Day	26 th January 2021	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology,
4	Rangoli Competition	12 th January 2021	Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology

5	Orientation Program	20 th & 21 st November 2020	
6	Virtual Bathukamma Celebrations	24 th October 2020	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology, Srilatha, Academic Coordinator
7	Teachers Day (Vrtual)	5 th September 2020	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
8	Independence Day	15 th August 2020	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
9	All that Count is Right Attitude(Webinar)	9 th July 2020	Anindita Sinha, Head of corporate Communications, L&T Metro Rail Ltd
10	Covid-19 New challenges in Technical Education & Way forward	30 th June 2020	Dr. A. Govardhan, Rector, JNTUH
11	International Yoga Day	21 st to 23 rd June 2020	Dr.K.Indra Pavan, Dermatologist, Heartfulness Trainer, S.Kamakshi IL Executive Coach, Life Coach, Corporate Trainer
12	Research Methodology and good administrative skills (Webinar)	12 th June 2020	Dr. Pradeep kumar Ramancharla, IIIT Registrar

Annual Events 2019-2020

S. No	Event	Date	Chief guest
1	Accelerating engineering Skills To Challenge the Covid19 Crisis Times	30 th May 2020	Dr, BVR Mohan Reddy Founder and Executive Chairman Cyient Ltd. Hyd
2	Transition Of Life:s Perspective after Covid19 impact(Webinar)	22 nd May 2020	Padma Bhushan Dr, D. Nageshwarreddy Chairman & Chief of Gastroenterology AIG
3	Womens Day	7 th March 2020	Dr. Lakshmi Rathna Marakani, Divisional Director & HOD Gynecology, NICE Hospital
4	Project Expo	29 th February 2020	Dr. P. Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
	Republic Day	26 th January 2020	Dr. P. Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology,

5	Alumni Meet (Milan)	28 th December 2019	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology,Dr.SidharthGosh,Head of TPO
6	Bathukamma Celebrations	5 th October 2019	Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology,
7	Traditional Day	14 th September 2019	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology, Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology, Srilatha ,Academic Coordinator
8	Teachers Day	5 th September 2019	Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
9	Independence Day	15 th August 2019	Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
10	Orientation Day	2 nd August 2019	Dr.P.Rajeshwar Reddy, MLC &Govt.Whip, Secretary & Correspondent VJIT.Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
11	Graduation Day	14 th July 2019	Chief Guest:SriB.Janardhan Reddy, Secretary to Govt. of Telangana Education department Guest of honour: Sri Lokesh Nathani,FounderDisruppt Thinking-LLP
12	Meditation Program	24 th to 26 th June 2019	Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
13	International Yoga Day	21 st June	Mr. M.Gangadhar, Govt.Official

Annual Events 2018-2019

S. No	Event	Date	Chief guest
1	Udhbav 19, Techno Cultural Fest.	2 nd April 2019	Dr. PratapsinhKakasaheb Desai President, Indian Society for Technical Education
2	Women's Day	8 th March 2019	Dr. ThishithaTej. Clinical Nutritionist
3	Alumni Meet (Milan)	2 nd February 2019	Dr.P.Rajeshwar Reddy, MLC Govt Whip Govt of Telangana, Correspondent & Secretary, Vidya Jyothi Institute of Technology
4	Republic Day	26 th January 2019	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
5	Traditional Day	13 th October 2018	Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
6	Fresher's Day	22 nd September 2018	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology

7	Teachers Day	5 th September 2018	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
8	Independence Day	15 th August 2018	Dr. P. Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
9	Anti Ragging Awareness Program	28 th July 2018	Ms. P.V. Padmaja, DCP, Shamshabad
10	Orientation Day	19 th July 2018	Dr.P.Rajeshwar Reddy
11	Graduation Day	14 th July 2018	Sri. BVR. Mohan Reddy, IIT Hyderabad.
12	Faculty Orientation Program	7 th July 2018	Dr. GVV Sharma, Associate Professor, Electrical Engineering IITH.

Annual Events 2018-2019

S. No	Event	Date	Chief guest
1	Udhbav 19, Techno Cultural Fest.	2 nd April 2019	Dr. PratapsinhKakasaheb Desai President, Indian Society for Technical Education
2	Women's Day	8 th March 2019	Dr. ThishithaTej. Clinical Nutritionist
3	Alumni Meet (Milan)	2 nd February 2019	Dr.P.Rajeshwar Reddy, MLC Govt Whip Govt of Telangana, Correspondent & Secretary, Vidya Jyothi Institute of Technology
4	Republic Day	26 th January 2019	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
5	Traditional Day	13 th October 2018	Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
6	Fresher's Day	22 nd September 2018	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
7	Teachers Day	5 th September 2018	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
8	Independence Day	15 th August 2018	Dr. P. Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
9	Anti Ragging Awareness Program	28 th July 2018	Ms. P.V. Padmaja, DCP, Shamshabad
10	Orientation Day	19 th July 2018	Dr.P.Rajeshwar Reddy
11	Graduation Day	14 th July 2018	Sri. BVR. Mohan Reddy, IIT Hyderabad.
12	Faculty Orientation Program	7 th July 2018	Dr. GVV Sharma, Associate Professor, Department of Electrical Engineering IIT Hyderabad.

Annual Events: 2017-2018

S. No	Event	Date	Chief guest
1	Women's Day	10 th March 2018	Ms.V.Harshitha, Director, Yenrol Lubex Pvt Ltd Ms.Alka Gupta ,Graphologist
2	Republic Day	26 th January 2018	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
3	Crescendo	24 th January 2018	Mr. Sri Krishna & Malavika (Singers)
4	Phoenix	23 rd to 24 th January 2018	Mr. Jitender Reddy (Member of Parliament - TRS Floor Leader)
5	Traditional day	21 st January 2018	Dr A. Padmaja (Principal Vidya Jyothi Institute of Technology)
6	Alumni Meet (Milan)	6 th January 2018	Dr.P.Rajeshwar Reddy, MLC Govt Whip Govt of Telangana, Correspondent & Secretary Vidya Jyothi Institute of Technology
7	Bathukamma	27 th September 2017	Dr A. Padmaja (Principal Vidya Jyothi Institute of Technology)
8	Engineers Day	15 th September 2017	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
9	Teachers Day	9 th September 2017	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
10	Independence Day	15 th August 2017	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
11	Graduation Day	15 th July 2017	Dr.S.Ramachandram, VC,Osmania University, Hyderabad
12	Faculty Orientation Program	24 th June 2017	Prof. MLP Rao,Former prof, OU, Hyderabad Prof.Harish N Dixit, IIIT Hyderabad
13	International Yoga Day	21st June 2017	Dr.ALV Kumar Scientist, Nuclear Fuel Complex Hyderabad

Annual Events: 2016-17

S. No	Event	Date	Chief guest
1.	Women's Day	8 th March 2017	Dr.SyamalaPrasad,Sr Consultant(Obstetrics&Gynecology), BHEL general Hospital
2.	Phoenix	3 rd to 4 th March 2017	Mr. G. R. Kiran Kumar (senior PRO TSRTC)
3.	Republic Day	26 th January 2017	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
4.	Crescendo	24 th January 2017	Sri Anantha Sri Ram (Lyricist)
5.	Traditional Day	21 st January 2017	Dr A. Padmaja (Principal Vidya Jyothi Institute of Technology)
6.	Alumni Meet (Milan)	7th October 2017	Dr.P.Rajeshwar Reddy, Correspondent & Secretary Vidya Jyothi Institute of Technology
7.	Teachers Day	6 th September 2016	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
8.	Bathukamma	27 th September 2016	Dr A. Padmaja (Principal Vidya Jyothi Institute of Technology)
9.	Engineers Day	15 th September 2016	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
10.	Independence Day	15 th August 2016	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
11.	Orientation Day	3 rd August 2016	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
12.	Graduation Day	23 rd July 2016	Dr.N.Yadaaiah, Registrar, Jawaharlal Nehru Technological University

CRITERION 10**GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES****120****10.1 ORGANIZATION, GOVERNANCE AND TRANSPARENCY (55)****10.1.1 State the Vision and Mission of the Institute (5)**

(Vision statement typically indicates aspirations and Mission statement states the broad approach to achieve aspirations)

Vision:

- To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values
- To foster Scientific Temper in promoting the World class professional and technical expertise

Mission:

- To create state of art infrastructural facilities for optimization of knowledge acquisition
- To nurture the students holistically and make them competent to excel in the global scenario
- To promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems

10.1.2 AVAILABILITY OF THE INSTITUTIONAL STRATEGIC PLAN AND ITS EFFECTIVE IMPLEMENTATION AND MONITORING (25)

The strategic plan of the college is developed involving all the stakeholders through group discussions, workshops and adopting a participatory approach at institutional and department level. The Promoter Society is committed to educational development, infrastructural augmentation and institutional growth.. Management gathers information from all stakeholders, observers and evaluates the best practices and strategies of other institutions to strive for excellence. According to the perspectives of the Society, college determines the infrastructure and various activities for academic advancement, and allocates budget accordingly.

The strategic/perspective plans of all the departments are prepared after the institutional plan is drafted keeping in view the vision and mission of the institute. The plan is made with the innate characteristics of primacy and flexibility covering all the aspects of academic, administrative and quality issues. Academic activities are planned by adapting outcome based education adopting student-centric teaching methods, choice-based credit system, industry-oriented live projects, Participation in Hackathons, technical conferences etc.,. The administration involves the committees in various matters like course structure and continuous evaluation, training & placement, industry interaction, career counselling, entrepreneurship. Outreach and financial performance facilitates and ensures that teaching learning process runs smoothly and productively. Quality sustenance is carved out by training the

faculty on cutting edge technologies, recruiting doctoral degree holders in different disciplines, arranging infrastructure to nurture the R&D activity, promotion of professional bodies and their activities for the overall development of staff and students.

The plan is developed with an objective of achieving excellence through optimum utilization of resources.

Institution has a strong Strategic plan prepared for 2015-20 aiming at clearly formulated objectives.

1. Facilitating high-quality knowledge
2. Curriculum as per industry trends/New Courses Introduction/Fast Track Curriculum
3. Fostering human values and all-round development
4. Development of competencies and skills/ Enabling to handle the technological challenges
5. Promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems
6. Create good infrastructural facilities for optimization of knowledge acquisition
7. Nurture the students holistically and make them competent to excel in the global scenario

The management conducts regular review of compliance to strategic plan (both long term goals and short term goals). It aims to conceptualize learning outcomes in more comprehensive terms and desires that its graduates possess distinguished academic and personal abilities. The management feels that quality of faculty and diversified educational system has an important role to play in an institution to reach its full potential.

To have more faculty with PhD qualification at all levels

The institution encourages the existing faculty to pursue higher qualification and there is a considerable increase in the number of faculty registered for Ph.D. The institution aims at having 50% faculty with doctoral degree within next two years. The institution has excellent retention rate of faculty, thereby focusing on administrative stability, clarity, engagement in various faculty development programs. The management has implemented several measures for faculty satisfaction and retention.

The strategic plan was successfully implemented based on the actionable tasks mentioned in strategic plan and the outcomes are clearly visible now.

Strategic Plan 2020-25

S.No.	Plan	Target	Action
1.	NIRF Ranking	<p>Participation in every academic year</p> <p>Ranking below 200 Band</p>	<ol style="list-style-type: none"> 1. Student outcomes improvement 2. Placements Quality Improvement 3. Research Publications 4. Perception <p>Focused on the above parameters during the years 2019-20:28.54 score 2020-21: 251-300 rank band</p>
2.	ARIIA Ranking	<p>Participation in every academic year</p> <ol style="list-style-type: none"> 1. Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus 2. Start-ups have received Grant / funding from Pre-Incubation/Incubation Centre/Facilities 3. Co-Incubation Partnership: Co-Incubation Partnership made with other Institutions either to offer incubation support (or) to receive incubation support 4. Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities 5. IP Granted and Published: Tech Transfer and Commercialized 6. Total Expense towards innovation, IPR and Startup 	<p>Focused on the below initiatives</p> <ol style="list-style-type: none"> 1. MoE MIC Initiatives quarter wise initiated as per the calender 2. Programs Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation 3. I&E Programs Organized within the Campus 4. Short time & Elective / Core Credit in Innovation/IPR/Entrepreneurship 5. IPR Cell / Patent Facilitation Unit 6. Support from the institute for IPR

3.	NAAC	To get A+ Grade in NAAC	<ol style="list-style-type: none"> 1. Action on NAAC PEER TEAM Comments 2. SSR Submitted and waiting for peer team visit
4.	NBA under Tier-1 for CSE,IT,ECE,EEE & Mech departments/NBA Civil Accreditation	<ol style="list-style-type: none"> 1. To get Accreditation for Civil 2. To apply for Accreditation Under Tier-1 for CSE,IT,ECE,EEE and Mech Departments 	<ol style="list-style-type: none"> 1. Civil department accredited under TIER-2 with 748 score 2. Initiated efforts towards applying for NBA Under Tier-1
5.	Autonomous Renewal	Preparing the autonomous document	<ol style="list-style-type: none"> 1. Autonomous expert committee visit completed.
6.	Teaching and Learning Plan	<ol style="list-style-type: none"> 1. Development of smart class rooms with state- of- art facilities 2. Use of more LCD and laptops in teaching and learning 3. Extensive use of online Teaching and Learning resources (INFLIBNET) 4. Teacher's skill enhancement through attending conferences and FDP's/STTP 	<ol style="list-style-type: none"> 1. Facilities have been increased. 2. LCD projectors are available in all the class rooms and Laboratories 3. Learning resources have been increased. 4. Financial support provided for Teachers to enhance effective teaching skills.
7.	Curriculum Improvement	<ol style="list-style-type: none"> 1. Internal and External Assessment: 30:70 2. More MoUs for Student Exchange Programmes 3. Introduction of MOOC's Credit Courses 4. B.Tech Degree with Major/Minor 5. To strengthen in the area of patents/Students Innovation patents submission.Suggestions given in academic council and BoG Minutes 	<ol style="list-style-type: none"> 1. This has been initiated and implemented for the academic year 2021-22 2. 2,3,and 4 points are planning to implement for the academic year 2022-23 and further years. 3. Suggestions have been noted and are under planning to be implement in a phased manner. 4. Suggestions will be taken from stakeholders 5.

8	To increase the pass percentage	Incremental improvement of 5% every year	Department wise strategic plan has been prepared to improve in this direction.
9.	Attract Funds for Research Projects	All departments need to apply for research proposals. And identify the sources for receiving funding	Applying for more funded research projects / proposals. 1. Total 16 research projects worth 153.845 lakhs granted during the last 5 academic years from UGC,DST and DRDO.
10.	Research Centers of University (ECE,EEE& Civil)	All Eligible departments	1. CSE & Mech Depts recognized in 2019-20 2. Applied for ECE,EEE and Mech Departments in 2020 3. Targeting for all departments to have recognized research centers.
11.	To increase the faculty with Ph.D qualification	1. Encouraging more internal faculty members to pursue Ph.Ds 2. Recruiting more Ph.D'S	1. Across all the departments 102 faculty have registered for Ph.D's. 2. Recruiting more Ph.D's, has been increased.
12.	Enhancing Quality Research Publications	1. Encouraging for more peer reviewed publications	3. Focusing more on quality research papers. 4. As on 2021(September) 230 Scopus and 61 WoS publications are there. 5. Target is to increase to 500 by 2025 as per the strategic plan of the departments. 6. Publications in indexed journals:Financial support to teachers
13.	Applying for patents	To strengthen in the area of patents/Students Innovation patents submission.	Plan has been initiated 1. As on 2021(September)11 patents have been granted, 30 patents

			<p>published and 11 are in applied status.</p> <ol style="list-style-type: none"> 3 students have applied for patents. Planning to support students to apply for more patents. To focus on the revenue generation.
14.	Quality Improvement Schemes Funding (AICTE/DST)	Applying for the schemes in AICTE AQIS and DST	<ol style="list-style-type: none"> As on today total 9 projects granted with 59.80 lakhs from AICTE
15.	Incubator for Startups	<p>Applying for AICTE ‘Technology Business Incubators’ and ‘Livelihood Business Incubators’</p> <p>DST : Technology Business Incubators’ DST : EDC funding</p>	<ol style="list-style-type: none"> Institute has recognized MSME – Incubation Center Data Ready DST NIMAT funding received for 2 academic years Plan has been initiated to apply for more schemes
16.	Placements Quality Improvement	<ol style="list-style-type: none"> To target for placement drives, only for an Annual Salary Package of 3 lakhs and above To enhance the Technical/Coding skills in students Professional Communication Skills Core Companies plan 	<ol style="list-style-type: none"> Necessary measures have been initiated to improve average salary package. Training plan initiated to improve coding skills
17.	Green Audit	<ol style="list-style-type: none"> Procedure for Green Audit Activities under Green Campus Plastic free campus 	<p>Implementation of Green Initiatives</p> <ol style="list-style-type: none"> Rainwater Harvesting Pits Solid Waste Water Management Conducting Green Landscape Audit, Carbon footprint & Energy Audit, and Environmental Audit every academic year
18.	Energy Audit	<ol style="list-style-type: none"> Energy Audit Recommendation Electricity Bill Analysis 	<ol style="list-style-type: none"> Conducting Internal & External Energy audits annually

		3. Use of Solar Power PV and analysis (No. of units reduction)	
19.	Internal and External Academic Audit	Internal and external academic audit every academic year at the end of 2 nd semester	Initiated and implementation every academic year
20.	Infrastructural Facilities	Improvement in infrastructural facilities	As per the Departments needs and student needs the Institute focuses on increasing infrastructural facilities annually.
21.	Enhance Engagement with Society and Industry Industry Institute Cell	<ol style="list-style-type: none"> 1. Invite Industry experts for motivating students and provide practical knowledge 2. Strengthen Campus placement and training facility by building more industry linkages 3. Promote/Encourage students to work on real projects for industries 	<ol style="list-style-type: none"> 1. Department wise IIC Coordinators to strengthen IIC 2. Signing MoU's with Industries 3. Establish more Center Of Excellences
22.	Enhance alumni engagement	More interactions with alumni	More interactive sessions and also include senior alumni in BoG/IQAC/Academic council as members

Prime Focus Points-Academic Year Wise

S. No.	Academic Year	Main Focus
1.	2020-21	<ol style="list-style-type: none"> 1. New Programs as per industry needs 2. NIRF Ranking 3. ARIIA Ranking 4. Placements quality improvement/average salary package enhancement 5. NBA Civil Department 6. To get good score and grade in NAAC.
2.	2021-22	<ol style="list-style-type: none"> 1. Curriculum Improvement 2. NBA Accreditation under Tier-1 CSE,ECE,IT,EEE & Mech departments 3. Quality Faculty Recruitment

		<ol style="list-style-type: none"> 4. Strengthening IIIC Cell/MoU's 5. Research Projects/Research Centers/Industry collaborative Centers 6. Alumni engagement 7. Consultancy facilities
3.	2022-23	<ol style="list-style-type: none"> 1. Consultancy revenue generation on small projects 2. Start Ups/Incubation facilities
4.	2023-24	<ol style="list-style-type: none"> 1. Industry driven Courses 2. Towards Patents revenue generation 3. Industry collaborative Centers
5.	2024-25	Overall Strategic plan for 2020-25 and set parameters for improvement and preparing the plan for the academic years 2025-30

10.1.3 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)
Institute Marks: 10.00.

List the governing, senate, and all other academic and administrative bodies; Their memberships, functions, and responsibilities; Frequency of the meeting; attendance there in, in a tabular form. A few sample minutes of the meetings and action taken reports should be annexed.

The published rules including service rules, policies and procedures; Year of publication shall be listed. Also state the extent of awareness among the employees/ students.

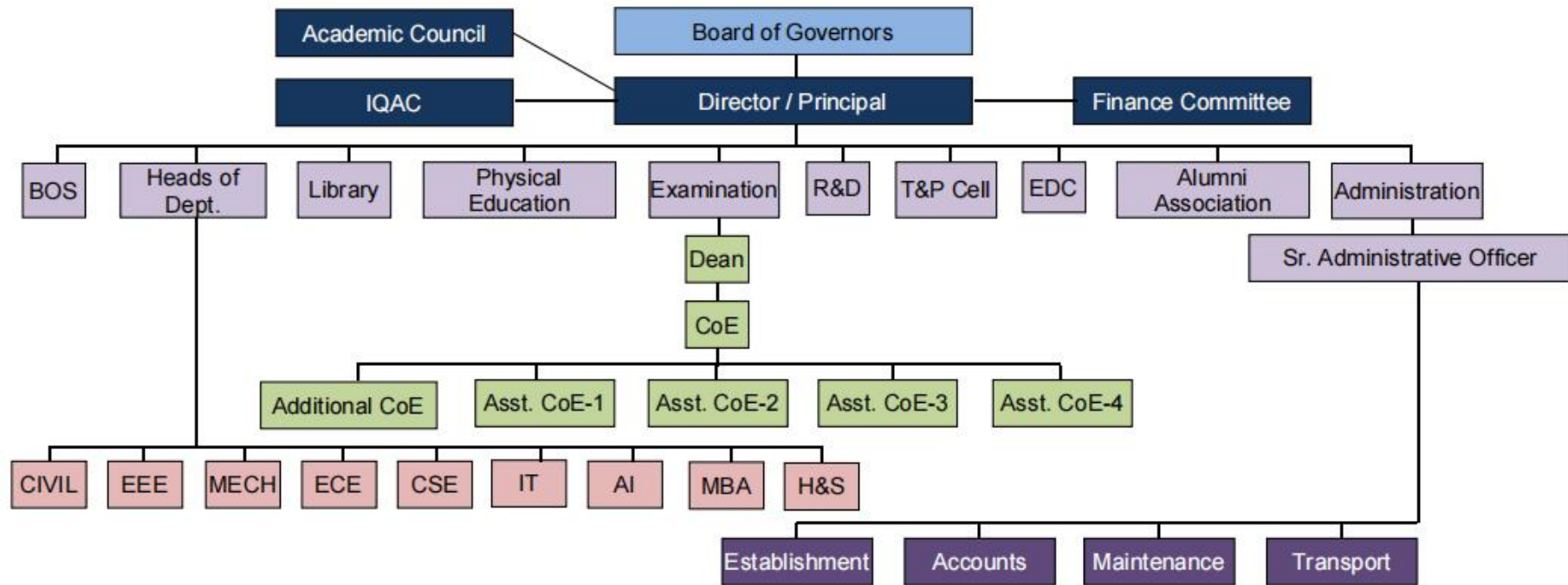


Fig 10.1.3 Organizational chart of the institution

Governing Body: The Governing Body of the Institution carries responsibility for ensuring effective management of the Institution and for planning its future development. The Governing body looks after the affairs of the Institution and demonstrates the primary objectives of teaching and research. It includes considering and approving the strategic plan for the institution, and identifying the financial, physical, and staffing strategies. The members of the body are dedicated eminent personalities such as educationists and industrialists etc.

The Board of Governors meet twice in a year and takes policy decisions on financial, academic, and administrative matters for the development of the institution. They render advice for starting new academic programs etc. The board meets to review various academic activities undertaken and monitors the progress of various academic programmes to meet the institution’s vision and mission by taking the views of stake holders into account. The Board

being an advisory body formulates rules and regulations for corrective actions to be taken for smooth functioning and better attainment of academic activities of the institution.

- The Chairman is the functional head of the college. He mainly looks after academics, development of infrastructural facilities and overall institutional growth. Chairman present the proposals to the Governing Body for its approval.
- The Secretary & Correspondent is the chief executive of the College. He coordinates with the sponsoring Society, College Management Committee and the Governing Body.

Academic Council:

The Academic Council shall have powers to:

- Scrutinize and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it shall have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
- Make regulations regarding the admission of students to different programmes of study in the college keeping in view the policy of the Government.
- Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.
- Recommend to the Governing Body proposals for institution of new programmes of study.
- Recommend to the Governing Body institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.
- Advise the Governing Body on suggestions pertaining to academic affairs made by it.
- Perform such other functions as may be assigned by the Governing Body.

Director advises the Management, administrative and developmental activities by keeping himself at pace with the latest trends in education. He shall be an active experienced person having distinguished himself in academic and administrative work.

The Principal is the chief academic administrator and a bridge between the Management, Staff and Students.

Board of Studies:

The Board of Studies of a Department in the college shall:

- prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and national requirement for consideration and approval of the Academic Council;
- suggest methodologies for innovative teaching and evaluation techniques;
- suggest panel of names to the Academic Council for appointment of examiners; and coordinate research, teaching, extension and other academic activities in the department/college.

Heads of Departments

- HODs shall report to the principal on the matters that come within their purview.
- HOD is responsible for the functioning of their department as per the laid down policies of the college.
- HOD prepares budget estimation of the department for every Academic year.
- HOD will constitute various committees in the department to help in various academic matters

Members of Governing Body**BOARD OF GOVERNORS MEETING**

The meeting of Board of Governors (BOG) of Vidya Jyothi Institute of Technology, Hyderabad is held on 14th November, 2019 in the Directors chamber at 11.30 AM, to discuss the agenda given in the circular. The following are the members of BOG meeting;

S. No.	Name of the Member	Qualifications and current engagements	Position in the BOG
Chairperson:			
1	Dr. R. Pradeep Kumar	M.Tech., Ph.D., Professor of Civil Engg., & Registrar IIT, Hyderabad	Chairman
Members of the Trust/ Society/ Management:			
2	Dr. P. Rajeshwar Reddy	MLC, Govt. Whip., M.Sc., Ph.D Secretary & Correspondent of VJES	Member

3	Mr Krishna Palla	B.Tech, MPS (USA)	Member
4	Mrs. S. Neelima	M.Tech., Joint Secretary of VJES	Member
5	Dr. M. Govind Ram Reddy	M.Sc., Ph.D Member of VJES	Member
Educationist:			
6	Dr. E Sai Baba Reddy	Director, VJIT	Member
UGC Nominee:			
7	Dr. Arpana Beniwal	Associate Professor, Vivekananda College, University of Delhi, Delhi	Member
Member from State Government:			
8	Mr. Navin Mittal	i/c CTE, Govt. of Telangana, Ex-Officio member	Member
Member from Industry			
9	Dr. Balaji Utla	CEC, Chairman	Member
One Nominee of the University to which the Institute of affiliated:			
10	Dr G Vijaya Kumar	Professor of CSE,JNTUH	Member
Two Faculty members of the Institution:			
11	Dr P Venugopal Reddy	Ph,D, Professor of Physics Dean Examinations	Member
12	Dr. B. Vijaya Kumar	M.Tech., Ph.D., HoD & Professor of CSE	Member
13	Dr. V.V. Satyanarayana	M.Tech., Ph.D., IQAC Head Professor of Mech. Engg.	Member
Head of the Institution, Ex-officio			
14	Dr. A. Padmaja	M.Tech., Ph.D., Principal VJIT	Member Secretary

The Institute has several committees constituted by the Principal and also nominates the coordinators of various committees with their roles and responsibilities.

The Institute has IQAC and the functions of IQAC are given below.

- IQAC is responsible for fixing quality parameters for various academic and administrative activities.
- Monitoring the organization of class work and related academic activities.
- Conducting Internal Quality Audits periodically to verify the effectiveness of measures taken in reaching the quality parameters.
- Documenting various programs/academic activities leading to quality improvement and reviewing their effectiveness in quality improvement/sustenance.

Members of Internal Quality Assurance Cell (IQAC)

Member		Name	Position
Chairman	1	Dr. E. Saibaba Reddy	Director
Co-Chairperson	2	Dr.A.Padmaja	Principal
Member from Management	3	Dr. P. Rajeshwar Reddy	Secretary & Correspondent, VJES
Member from Management	4	Ms. S. Neelima	Joint-Secretary, VJES
Member	5	Dr. P. Venugopal Reddy	Dean. Exams
Coordinator IQAC	6	Dr. V V Satyanarayana	Prof in Mech
Teachers to represent all levels (Members)	7	Dr. G.Sreeram Reddy	HOD(Mechanical)
	8	Dr. B. Vijaya Kumar	HOD (CSE)
	9	Dr. A. Srujana	HOD (EEE)
	10	Dr. Siddhartha Ghosh	Professor, Head, AI & TPO
	11	Dr. K. Vasanth	HOD (ECE)
	12	Dr. Pallavi Badry	HOD (Civil)
	13	Prof. B. Srinivasulu	Professor & Head, IT
	14	Prof. M. Raiendraprasad	Professor & Head, H&S
	15	Dr. P. Chakradhar	Professor & Head, MBA
	16	Dr. Ravi Mathey	Professor, CSE &CoE
	17	Dr. C.N. Ravi	Professor, EEE

Member	18	Mr. R. Venkata Chalam	Sr. Administrative Officer
Member	19	Ms. G.Srilatha	Academic Coordinator
Member	20	Mr. ShubhajtJagadev	Associate Director & Head. Cisco ASC & ITC, India (Industrialist)
Member	21	Mr. P. Nirdosh Reddy	Executive Engineer, TSSPDCI, (Parent)
Member	22	Dr. P. Radha Krishna	Professor & HoD Department of Computer Science And Engineering, NIT, Warangal (Parent)
Member	23	Mr. Suresh Kuppu	Founder Trustee ofSloka School (Nominee from local Society)
Member	24	Mr. E. Sathish Reddy	Tech Mahindra Program Manager (Alumni)
Member	25	Mr. Raghav Srusti	Account Manager, ESP Business Siemens Industry Software (India) pvt Ltd. Hyderabad (Alumni)
Member	26	Mr. Anurag Patlolla	Senior developer, Cognizant technology solutions (Alumni)
Member	27	Mr. D. Sai Varun Reddy	Tech lead, Zemosolabs (Alunmi)
Member	28	Ms. K. Neha	Student
Member	29	Mr. J. Venkateshwara Rao	Student

The Academic Review Committee consists of the following members

S.No	Name of Member in ARB	Position in the ARB
1	Dr. P Venugopal Reddy	Chairman
2	Dr. A Padmaja	Convener

3	Ms. G Sreelatha, Academic Coordinator	Member
4	Dr. Pallavi badry HOD (CIVIL)	Member
5	Dr. B. Vijaya Kumar HOD (CSE)	Member
6	Dr. K. Vasanth HOD (ECE)	Member
7	Dr. A. Srujana HOD (EEE)	Member
8	Dr. SiddarthaGhosh ,HOD (IT)	Member
9	Dr.G.Sreeram Reddy HOD (Mech)	Member
10	Mr M Rajendra Prasad HOD (H&S)	Member
11	Dr. P. Chakradhar, HOD (MBA)	Member

RTI committee:

The basic objective of the Right to Information Act is to promote transparency and accountability in the working of the organization. The Act is a big step towards making the citizens informed about the activities of the government.

S.No.	Name	Designation
1.	Dr.A.Padmaja	Convener
2.	Mr.R.VenkataChalam	Member
3.	Dr.G.Sreeram Reddy HOD (Mech)	Member

Finance Committee:

The Finance Committee advises the governing body on all matters related to financial policies and management of the finance of the Institute. To examine the audit report of the Institute and present the same to the Governing body for its approval.

S.No	Name of the Member	Position in the FC
1	Dr E Saibaba Reddy	Chairman
2	Mrs S Neelima	BOG Nominee
3	Shri G Janardhan Rao	Finance officer JNTUH
4	Dr A Padmaja	Member
5	Dr P Venugopal Reddy	Member
6	Mr R V Chalam	Member
7	Mrs G Srilatha	Member

In continuation to the above, department level committees DAB (Department advisory board) constituted by the respective heads to develop and recommend the Vision & Mission statement of the department & provide guidelines for formulation of programme educational objectives (PEOs) and Programme specific outcomes(PSOs),Receive the reports of programme assessment committee and monitor the progress of the programme.

Defined rules, procedures, recruitment, and promotional policies

The revised rules and policies are well documented and brought in the form of a booklet HR Policy. The HR policy is available in all the departments and each employee is educated on the code of conduct by HoD at the time of appointment. Copy is also available in the library and also on college website.

The staff recruitment at each level is through advertisement in newspapers as well as keeping the same on the website. Staff members are recruited through selection committee constituted by affiliating University JNTUH. The selection committee consists of the Director as its Chair Person, Principal, Affiliating University Nominees –Two Members, Subject experts –Two members and HoD of concerned department. For internal promotion through CAS, the norms of AICTE & Affiliating University are followed.

Welfare schemes available for teaching and non teaching staff

Welfare schemes for teaching staff

- Staff Members are eligible for the following incentives and rewards, based on their performance, contribution and years of service at the Institution. These are applicable to staff members with a minimum of 1 year service in the Institution
- For producing 100% results in a theory paper: Rs 1000/- Cash Award
- For producing 95% results in a theory paper : Rs.500/- Cash Award
- For producing 90% results in a theory paper : Rs.300/- Cash Award
- Professional Society Life Membership Fee – 50% paid by the Management for Faculties with minimum three years of service at the Institution (Maximum One Professional Society per staff member)
- Paper publication in National/International journals with an Impact factor as first and second author is given Rs 1000/and Rs 500/ respectively as one time incentive
- Paper publications in International Conferences of Prime Institutions -100% TA, 100% Registration Fees, on Duty and Cash Reward
- For paper presentation in a national conference the institute will sponsor by paying the registration fee along with duty leave
- Accredited departments with Accreditation of 3 years – Faculty are given one time incentive to Faculty and supporting Staff members.
- Best Teacher award is presented to eligible teachers every year on the eve of Teacher's day celebrations with a cash award of Rs10,000/-
- Special incentive increments will be sanctioned on completion of 5yrs, 10yrs and 15 yrs service in the same cadre
- Group insurance given to the faculty
- Transport Facilities: Only 25% of charges are levied to avail college transport
- Maternity leave up to six months maternity leave is applicable for women staff

- Interest free loan in the case of medical emergency are sanctioned to the employees and it has to be repayable in 10 monthly installments
- Faculty who scores between 60% - 80% in API score, gets an additional incentive increment.
- Faculty who scores more than 80% in API score gets an additional incentive increment

Welfare schemes for non teaching staff

- Supporting staff Members are provided with free computing skills programs
- EPF/ESI facility is provided to all eligible teachers and non teaching staff members.
- Additional increments are sanctioned recognizing their commitment towards their duties
- Special incentive increments will be sanctioned on completion of 10 yrs and 15 yrs service in the same cadre
- Transport Facilities: Only 25% of charges are levied to avail college transport
- Maternity leave up to six months maternity leave is applicable for women staff
- Interest free loan in the case of medical emergency are sanctioned to the employees and it has to be repayable in 10 monthly installments

10.1.4 Decentralization in working and grievance redressal mechanism (5)

List the names of the faculty members who have been delegated for taking administrative decisions. Mention details in respect of decentralization in working. Specify the mechanism and composition of grievance redressal including anti ragging committee and Sexual harassment committee.

Grievance and redressal committee is constituted in the college to attend the grievances. All the grievances addressed by the stakeholders are examined by the Grievance Redressal Committee, and appropriate solutions are suggested. Three different committees are constituted for staff, students and women.

Grievance Redressal Committee for staff:

Staff can lodge a complaint personally/ write/e-mail to any member of the Cell. Suggestion/ Compliant Boxes are provided at office of the Principal for staff to lodge their complaints/ suggestions.

Functions:

- To identify systemic flows and flaws in the design and administration of various issues and to seek solutions
- A grievance redressal committee looks into the complaints from the aggrieved
- The report of grievance committee is forwarded to Principal for further action

- Corrective measures are taken and recorded in the register
- Complaints can be sent to <https://grievance.vjit.ac.in>

Grievance Redressal Committee for staff:		
1.	Dr. G. Sreeram Reddy	Convener
2.	Mrs. G.Srilatha	Member
3.	Mr. R.VenkataChalam	Member
4.	Dr. B.Sathyanarayana Reddy	Member
5.	Mr M Rajendra Prasad	Member

Grievances and Redressal committee for students & Parents:

Grievances and Redressal Committeis formed in order to keep the healthy working atmosphere and to uphold the dignity of the College by ensuring strife free atmosphere in the College to promote cordial relationship among students and between students and teachers. This Cell records the complaints given by the students /parents and solves their problems. Suggestion / complaint boxes have been installed at different places in the College campus. The person concerned can personally approach /write / e-mail to any member of the Cell.

Functions:

- A grievance Redressal committee is formed to look in to the complaints from the aggrieved.
- Suggestion/ Compliant Box are provided at Office of Principal for students to lodge their complaints/ suggestions.
- The report of grievance committee is forwarded to Principal for further action
- Corrective measures are taken and recorded in the register.
- Complaints can be sent to <https://grievance.vjit.ac.in>

Grievance Redressal Committee		
1.	Dr. B Vijaya Kumar HOD (CSE)	Convener
2.	Mrs. G.Srilatha, Academic Coordinator	Member
3.	Dr. Pallavi Badry HOD (CIVIL)	Member
4.	Dr. K. Vasanth HOD (ECE)	Member
5.	Dr. A. Srujana HOD (EEE)	Member
6.	Dr. G.Sreeram Reddy HOD (Mech)	Member
7.	Mr. B. Srinivasulu (IT)	Member
8.	Dr. P. Chakradhar, HOD (MBA)	Member
9.	Mr M Rajendra Prasad HOD (H&S)	Member

Women Grievance Redressal committee:

In view of the increasing number of girl students in the campus, Women Grievance Redressal Cell makes every effort to ensure that the girls feel safe and secure. The cell resolves common problems of girl students and also takes up individual cases of sexual harassment, if any. In this respect, it is punishable.

Functions:

- The committee will deal with the cases / complaints of sexual harassment and any other type of harassment of the female students, teaching and nonteaching women staff of the college
- The Cell shall process all the individual complaints and take suitable action there on in the manner and mode as per the college norms
- 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 If girl/woman are being harassed, this is what she can do: Keeping record of all incidents of women harassment

Women Grievance Committee		
1	Dr. Pallavi Badry HOD (CIVIL)	Convener
2	Mrs. G Srilatha, Academic Coordinator	Member
3	Dr. A. Srujana (EEE)	Member
4	Dr. D. Aruna Kumari (CSE)	Member
5	Mrs. T. Devi (IT)	Member
6	Mrs. J. Emeema (MECH)	Member
7	Mrs. K. Pavani (ECE)	Member
8	Mrs. Suneela Bharathi (MBA)	Member

Anti-ragging Committee:**The basic functions of the committee are:**

- To create self confidence and congenial environment among the newly admitted students by conducting frequent interactive sessions to clear the doubts related to academic matters, social interaction and compatibility. The anti ragging committee provides a ragging free campus for newly admitted students to have a pleasant and fruitful academic stay in this college.
- Faculty is deputed at various locations inside the college campus to monitor the student activities. Faculty sees that no student groups are formed and if observed, the group is dispersed to avoid any nuisance. The punishment for ragging is displayed at various places to make the students aware of seriousness of the administration for preventing ragging.

- To conduct an enquiry and identify the culprits on receipt of complaint.
- Based on the first hand information and prime-facie evidence, the committee submits its report to the Principal for necessary disciplinary action. Severe punishment will be imposed on the accused, if proven.

S.No.	Member	Department	Position
1.	Dr. G. Sreeram Reddy	HOD, Mech	convener
2.	Dr. B Vijaya Kumar	HOD, CSE	Member
3.	Dr. Siddartha Ghosh	HOD, IT	Member
4.	Dr. K. Vasanth	HOD, ECE	Member
5.	Dr. A. Srujana	HOD, EEE	Member
6.	Dr. Pallavi Badry	HOD, Civil	Member
7.	Mr. Rajendra Prasad	HOD, H&S	Member
8.	Dr. J. Ramesh Babu	Physical Director	Member

10.1.5 Delegation of financial Powers (5)

Institution should explicitly mention financial powers delegated to the Principal, Heads of Departments and relevant in charges. Demonstrate the utilization of financial powers for each year of the assessment years

Institution has well defined mechanism to monitor effective and efficient use of available resources.

The lab in charges submits the proposals as per the lab requirement to the HOD. The HOD, after careful discussion submits the proposal in the prescribed format to the Director. The Director, in turn submits them to the BOG. The BOG after assessing the projected income for the academic year, allocates budget to each department depending on their requirements and priorities.

Name of the administrator	Financial Power
BOG	Above Rs50 lakhs
Finance Committee	Rs 5 lakhs to Rs 50 lakhs
Director	Rs 5,00,000/- lakhs
HOD's	Rs10,000/-

10.1.6 Transparency and availability of correct/Unambiguous information in public domain (5)

(Information on policies, rules, processes and dissemination of this information to stakeholders is to be made available on the website)

- Dissemination and availability of Institute and programme specific information is made available on the website.

Transparency in Administration

- The file movement system is in operation and involves all senior functionaries in decision making.
- The decisions of Governing body as well as the academic bodies are circulated to the staff through proper channel.
- All Heads of the Department keep the staff informed about the administrative/academic decisions taken.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (15)**10.2.1 Adequacy of budget allocation (5)**

(The institution needs to justify that the budget allocated during assessment years was adequate)

Budget is allotted to each department towards up-gradation of laboratories, laboratory consumables and repair of laboratory equipment etc., internal adjustments are made as per the urgency, in specific cases. Each practical laboratory maintains its own record in the form of stock register which records the information related to new purchases, repairs etc. The allocated budget shall always adequate and the budget gets sanctioned based on the budget predictions given by the department for every academic year.

10.2.2 Utilization of allocated funds (5)

(The institution needs to state how the budget was utilized during assessment years)

Funds are allocated by BOG of the College. Department Heads are intimated about the funds allocated against their budget proposals. Actions for procurement of lab equipment, up-gradation of existing lab facilities, purchase of consumables etc. are initiated from the respective departments and the funds are released on proposal basis from the accounts office of the college on approval by the Secretary.

Major works like construction, up gradation of existing infrastructure, procurement and maintenance of common utilities, house-keeping, procurement of furniture etc. are controlled by the supervisors. During the last three years, the budget was utilized to meet expenses such as staff salaries, infrastructure development, purchase of equipment, expenses towards consumables and contingencies, travel etc. Every year almost 65% of the budget is spent on staff salaries, 10% on infrastructure development, about 10% on purchase of equipment, about 10 % on library development and the rest 5% on other expenses. This has been the general pattern of utilization of budget for the last 5 years.

The details of budget allocation, sanction and expenditure statement of last 3 years as shown in 10.2.

Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively) in the three previous financial years:

CFY -- 2020 - 2021 (Current Financial Year)

CFY_{m1} -- 2019 –2020 (Current Financial Year Minus 1)

CFY_{m2} -- 2018 – 2019 (Current Financial Year Minus 2)

CFY_{m3} -- 2017 – 2018 (Current Financial Year Minus 3)

Table 1: CFY 2020-21

Total Income:42,93,88,151.00				Actual Expenditure:43,12,60,991.00			Total No. of Students: 4283
FEE	GOVT	GRANT(S)	OTHER SOURCES(Specify)	Recurring Including Salaries	Non-recurring	Special Projects / any other, specify	Expenditure per student
41,38,48,382.00	0	0	1,55,39,769.00	42,72,43,693.00	40,17,298.00	0	1,00,691.34

Table 2: CFYm1 2019-20

Total Income:42,82,50,292.00				Actual Expenditure: 43,01,57,934.00			Total No. of Students: 4058
FEE	GOVT	GRANT(S)	OTHER SOURCES(Specify)	Recurring Including Salaries	Non-recurring	Special Projects / any other, specify	Expenditure per student
38,88,45,653.00	0	0	3,94,04,639.00	42,82,40,433.00	19,17,500.00	0	1,06,002.44

Table 3: CFYm2 2018-2019

Total Income : 40,73,06,700.00				Actual Expenditure:40,88,28,485.00			Total No. of Students: 4118
FEE	GOVT	GRANT(S)	OTHER SOURCES(Specify)	Recurring Including Salaries	Non-recurring	Special Projects / any other, specify	Expenditure per student
37,61,36,941.00	0	0	3,11,69,759.00	40,23,22,432.00	65,06,053.00	0	99,278.41

Table 4: CFYm3 2017-2018

Total Income : 39,35,49,603				Actual Expenditure :39,67,36,362			Total No. of Students: 4085
FEE	GOVT	GRANT(S)	OTHER SOURCES(Specify)	Recurring Including Salaries	Non-recurring	Special Projects / any other, specify	Expenditure per student
36,60,18,785.00	0	0	2,75,30,819.00	39,27,69,179.00	39,67,183.00	0	97,120.28

Institute Consolidated Budget

Items	Budgeted in 2020-2021	Provisional Expenses 2020-2021	Budgeted in 2019-2020	Actual Expenses 2019-2020	Budgeted in 2018-2019	Actual expenses in 2018-2019	Budgeted in 2017-2018	Actual expenses in 2017-2018
Infrastructure Built-Up	5,00,00,000	3,95,05,631	6,50,00,000	5,92,65,452	6,00,00,000	5,64,03,408	6,00,00,000	5,97,19,460
Library	30,00,000	23,73,261	20,00,000	15,14,817	50,00,000	44,04,133	48,00,000	46,38,464
Laboratory equipment	45,00,000	40,17,298	20,00,000	19,17,500	70,00,000	65,06,053	43,00,000	39,67,183
Laboratory consumables	7,00,000	6,52,463	25,00,000	18,16,683	60,00,000	56,90,491	32,00,000	30,27,039
Teaching and non-teaching staff salary	28,00,00,000	27,54,30,747	28,00,00,000	27,40,52,813	23,00,00,000	22,79,35,997	25,00,00,000	24,86,15,013
Maintenance and spares	90,00,000	84,35,942	80,00,000	76,37,611	80,00,000	75,39,494	70,00,000	66,14,195
R&D	45,00,000	42,85,042	15,00,000	12,16,699	25,00,000	23,40,409	30,00,000	26,27,683
Training and Travel	25,00,000	22,51,040	70,00,000	68,17,001	60,00,000	56,01,580	40,00,000	34,52,750
Miscellaneous	7,00,000	6,75,592	3,00,000	2,41,451	3,20,000	3,06,105	7,00,000	6,53,241

expenses								
Others specify	9,55,00,000	9,36,33,975	8,00,00,000	7,56,77,907	9,50,00,000	9,21,00,815	6,50,00,000	6,34,21,334
Total	45,04,00,000	43,12,60,991	44,83,00,000	43,01,57,934	41,98,20,000	40,88,28,485	40,20,00,000	39,67,36,362

10.2.3 Availability of the audited statements on the institute’s website (5)

(The institution needs to make audited statements available on its website)

CFY -- 2020 - 2021 Yes URL..... www.vjit.ac.in
 CFYm1 -- 2019 –2020 Yes URL..... www.vjit.ac.in
 CFYm2 -- 2018 - 2019 Yes URL..... www.vjit.ac.in
 CFYm3 – 2017 - 2018 Yes URL..... www.vjit.ac.in

10.3 Program Specific Budget Allocation, Utilization (30)

CFY -- 2020 - 2021 (Current Financial Year)
 CFYm1 -- 2019 –2020 (Current Financial Year Minus 1)
 CFYm2 -- 2018 – 2019 (Current Financial Year Minus 2)
 CFYm3 -- 2017 – 2018 (Current Financial Year Minus 3)

Table :1 For CFY 2020-2021						
Total Budget	10,00,000	Actual Expenditure		9,52,504	No. of Students	Expenditure Per Student
Non- recurring	Recurring	Non-recurring		Recurring	318	2995.29
-	10,00,000	-		9,52,504		

Table :1 For CFY m1 2019-2020						
Total Budget	13,00,000	Actual Expenditure		12,12,252	No. of Students	Expenditure Per Student
Non-recurring	Recurring	Non-recurring		Recurring	341	3554.99
2,00,000	11,00,000	1,53,400		1058852		

Table :2 For CFYm2 2018-2019						
Total Budget	18,00,000	Actual Expenditure		1658380	No. of Students	Expenditure Per Student
Non recurring	Recurring	Non-recurring		Recurring	368	4506.46
5,00,000	13,00,000	4,55,283		12,03,097		

Table :3 For CFY m3 2017-2018						
Total Budget	13,50,000	Actual Expenditure		12,34,875	No. of Students	Expenditure Per Student
Non-recurring	Recurring	Non-recurring		Recurring	362	3411.25
3,00,000	10,50,000	2,52,330		9,82,545		

Items	Budgeted in 2020-2021	Actual expenses in 2020-2021	Budgeted in 2019-2020	Actual expenses in 2019-2020	Budgeted in 2018-2019	Actual expenses in 2018-2019	Budgeted in 2017-2018	Actual expenses in 2017-2018
Laboratory equipment	-	-	2,00,000	1,53,400	5,00,000	4,55,283	3,00,000	2,52,330
Software	-	-	-	-	-	-	2,00,000	1,89,980
Laboratory consumables	40,000	35,008	20,000	19,534	4,40,000	4,20,853	90,000	80,394
Maintenance and spares	80,000	67,900	60,000	56,805	60,000	37,105	20,000	19,582
R&D	6,00,000	5,81,000	60,000	38,127	80,000	57,378	30,000	21,254
Training and Travel	2,70,000	2,64,096	9,50,000	9,34,786	7,00,000	6,68,210	7,00,000	6,61,935
Miscellaneous expenses	10,000	4,500	10,000	9,600	20,000	19,551	10,000	9,400
Total	10,00,000	9,52,504	13,00,000	12,12,252	18,00,000	16,58,380	13,50,000	12,34,875

10.3.1 Adequacy of budget allocation (10)

(Program needs to justify that the budget allocated over the assessment years was adequate for the program)

The budgetary estimates are prepared at the department level by the HOD in consultation with the Lab Heads and other senior faculty. The vision and mission of the institute and the department is always taken into consideration while preparing such budgetary estimates. The estimates are compiled and forwarded to the director and placed before the Governing body for consideration and approval. The budgetary allocations are found to be adequate as the allocations are primarily based on the requirements forwarded by the department. Every year a portion of the budget is set apart for the service and maintenance of laboratories. The budget contains a component which is being utilized for the development of staff.

10.3.2 Utilization of allocated funds (20)**(Program needs to state how the budget was utilized during the last three assessment years)**

The allocated budget is utilized for establishing new laboratories with the high configuration. Every year a portion of the budget is set apart for the service and maintenance of laboratories. The budget contains a component which is being utilized for the development of faculty programmes including summer vocational activities for students and staff.

10.4 Library and Internet (20)**10.4.1 Quality of learning resources (hard/soft) (10)**

(Indicate whether zero deficiency report was received by the Institution for all the assessment years. Effective availability/ purchase records and utilization of facilities/ equipment etc. to be documented and demonstrated)

Allocated budget for library is sufficient and utilized properly for purchasing new books, magazines and establishing digital library with digital journals.

Number of library technical staff: 6

Number of library staff with degree in Library Management: 5

Computerization for search, indexing, issue/ return records - Yes

Bar-coding used -Yes

Library services on Internet/ Intranet INDEST or other similar membership Archives:

Library services on internet / intranet - Yes

INFLIBNET N-LIST, NDL or other similar membership - Yes

Archives- 1665

Number of titles: **7009** number of volumes: **53374**

Year	Number of New Titles added	Number of New edition added	Number of New Volumes added
2020-2021	137	120	2076
2019-2020	299	132	2037
2018-2019	366	263	6790
2017-2018	269	169	7141
2016-2017	727	235	4276

Library expenditure on books, magazines / journals, and miscellaneous contents expenditures in Rs:

Year	Books	Magazine/Journals(for hard copy subscription)	Magazine/Journals(for soft copy subscription)	Misc. contents
2020-2021	6,64,144	4,94,204	11,75,300	13,386
2019-2020	3,00,000	-	11,32,007	82,810
2018-2019	32,05,786	1,97,473	9,50,978	49,896
2017-2018	33,13,356	1,88,456	9,26,976	2,09,676
2016-2017	20,83,197	1,82,800	8,91,125	38,229

- Relevance of available learning resources including e-resources – Yes
- INFLIBNET N-LIST, NDL, NPTEL, DELNET, IEEE, Springer, ASCE& ASME.
- EBSCO E-Books
- IUCEE Webinar series

Support to students for self-learning activities

Accessibility to Students: All the learning resources available in the library are accessible to users.

Year	No. of Technical Magazines/Periodicals	No. of Total Technical Journals subscribed	
		In Hard copy	In Soft Copy
2020-2021	20	131	1100
2019-2020	-	-	1100
2018-2019	20	81	957
2017-2018	20	81	980
2016-2017	29	126	940

Digital Library Information:

No. of Terminals	:	35
Server	:	Two
Internet Band width	:	40MBPS
Number of e-Books	:	6,225 EBSCO INFLIBNET, N-LIST and Delnet
Online video lectures	:	NPTEL for all courses (support to students for self-learning)

Number of users per day : 250 – 300
Accessibility to students : 8AM to 6 PM

10.4.2 Internet (10)**Institute Marks 10.00**

Name of the Internet provider	Apollo Online Solutions , Pioneer Internet Services
Available band width	600MBpS
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	Yes

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 OUTCOMES (PSOs)

PSO1	Conceptualize electrical and electronics systems, employ control strategies for power electronics related applications to prioritize societal requirements.
PSO2	Apply the appropriate techniques and modern engineering hardware and software tools in electrical engineering to engage in multi-disciplinary environments

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 in force as on date and the institute shall 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.

<p>Head of the Department Name: Dr. A. Srujana Designation: Professor & HOD-EEE Signature: </p>	<p>Head of the Institute Name: Dr. A. Padmaja Designation: Principal Signature:  PRINCIPAL Vidya Jyothi Institute of Technology Himayatnagar (VIII), C B. Post Hyderabad-75 Seal of the Institution: </p>
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Place: Hyderabad

Date: 21/2/2022