Department of Electronics and Communication Engineering

REVISED
SELF ASSESSMENT REPORT (SAR)
(TIER -1)

GMR Institute of Technology

GMR Institute of Technology
An Autonomous Institute Affiliated to JNTUK, Kakinada

GMRIT Training Tomorrow's Engineers Today

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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GMR INSTITUTE OF TECHNOLOGY
SELF ASSESSMENT REPORT (TIER-I) FOR Electronics and Communication Engg.

Part A: Institutional Information

1. Name and Address of the Institution: GMR INTISTITUTE OF TECHNOLOGY, GMR NAGAR, RAJAM – 532127, SRIKAKULAM DIST., ANDHRA PRADESH
2. Name and Address of the Affiliating University: JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA (JNTUK)
3. Year of establishment of the Institution: 1997
4. Type of the Institution:

Institution of National Importance	☐
University	☐
Deemed-to-be-University	☐
Autonomous	✓
Any other (Please specify)	☐

5. Ownership Status:

Central	☐
Government State	☐
Government	☐
Government Aided	
Self-financing	✓
Trust	☐
Society	☐
Section 25 Company	✓
Any Other (Please specify) Provide Details:	☐
Section 8 Company	☐

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

Name of the Institution (s)	Year of Establishment	Programs of Study	Location
1. Sri GCSR Degree College	1993	Degree	Rajam
2. Sri GCSR Junior College	2006	Intermediate	Rajam

Details of all the Programs being Offered by the Institution under Consideration

Name of the Program	Program Applied Level	Start of the Year	Year of AICTE Approval	Initial Intake	Intake Increases	Current Intake	Accreditation Status*	From	To	Program for Consideration	Program Duration
VLSI and Embedded System Design	PG	2011	2011	18	No	12	Not Eligible for Accreditation	-	-	No	2
Electronics and Communication Engineering	UG	1999	1999	40	Yes	180	Granted Accreditation for 5 Years for the Period (specify period)	2015	2021	Yes	4

7. Sanction Intake for Last Five Years of the Electronics and Communication Engineering

Academic Year	Sanctioned Intake
2021-22	180
2020-21	180
2019-20	180
2018-19	180
2017-18	180
2016-17	180
2015-16	180

Sl. No.	Program Name	Name of the Department	Year of Start	Intake	Increase / Decrease in Intake, if any	Year of Increase/ Decrease	AICTE Approval	Accreditation Status *
1	Engineering & Technology – UG (B.Tech)	CIVIL	2002	60	120	2016	2016	Accredited
2		EEE	1997	60	120	2009	2009	Accredited
3		MEC	1997	60	180	2018	2018	Accredited
4		ECE	1999	40	180	2012	2012	Accredited
5		CSE	1997	40	180	2013	2013	Accredited
6		CHE	1997	40	30	2017	2017	-
7		IT	1999	40	120	2019	2019	Accredited

8	Engineering & Technology – PG (M.Tech)	TRANSPORTATION ENGG.	2008	18	12	2021	2008	Not Accredited
9		PID	2007	18	12	2021	2007	Not Accredited
10		THERMAL	2013	18	12	2021	2013	Not Accredited
11		VLSI&ESD	2011	18	12	2021	2011	Not Accredited
12		CSE – CYBER SECURITY	2017	18	12	2021	2017	Not Accredited
13		ENVIRONMETAL ENGG.	2012	18	12	2021	2012	Not Accredited

8. Programs to be considered for Accreditation vide this application

S.No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Civil Engineering
2	Under Graduate	Engineering & Technology	Computer Science & Engg.
3	Under Graduate	Engineering & Technology	Electrical & Electronics Engg.
4	Under Graduate	Engineering & Technology	Electronics & Communication Engg.
5	Under Graduate	Engineering & Technology	Mechanical Engineering

9. Total number of Employees

A. Regular* Employees (Faculty and Staff)

Items	2021-22		2020-21		2019-20		2018-19	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	157	165	146	157	147	169	139	157
Faculty in Engineering (Female)	27	32	25	27	23	27	25	30
Faculty in Maths, Science & Humanities teaching in Engineering Program (Male)	40	40	40	43	42	44	38	41
Faculty in Maths, Science & Humanities teaching in Engineering Program (Female)	5	8	5	5	4	6	4	5
Non-teaching staff (Male)	97	97	104	105	103	104	109	110
Non-teaching staff (Female)	6	6	6	6	5	6	6	6

B. **Contractual* Employees (Faculty and Staff)**

Items	2021-22		2020-21		2019-20		2018-19	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	0	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0	0	0
Faculty in Maths, Science & Humanities teaching in Engineering Program (Male)	0	0	0	0	0	0	0	0
Faculty in Maths, Science & Humanities teaching in Engineering Program (Female)	0	0	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0	0	0

10. Total Number of Engineering Students:

Engineering and Technology – UG Shift-1

Item	(2021-22)	CAY (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)
Total no. of boys	2929	2742	2642	2483
Total no. of girls	1078	940	913	909
Total no. of students	4004	3682	3555	3392

Engineering and Technology – PG Shift-1

Item	(2021-22)	CAY (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)
Total no. of boys	11	24	43	64
Total no. of girls	05	04	10	19
Total no. of students	16	28	53	83

11. Vision of the Institution:

"To be among the most preferred institutions for engineering and technological education in the country… An institution that will bring out the best from its students, faculty and staff – to learn, to achieve, to compete and to grow – among the very best… An institution where ethics, excellence and excitement will be the work religion, while research, innovation and impact, the work culture"

12. Mission of the Institution:

- To turnout disciplined and competent engineers with sound work and life ethics.
- To implement outcome based education in an IT-enabled environment.
- To encourage all-round rigor and instill a spirit of enquiry and critical thinking among students, faculty and staff.
- To develop teaching, research and consulting environment in collaboration with industry and other institutions.

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

Name: Dr. C L V R S V Prasad
Designation: Principal
Mobile No: 9441406014
Email id: prasad.CLVRSV@gmrgroup.in

NBA Coordinator, if Designated
Name: Dr. L Govinda Rao
Designation: Associate Professor
Mobile No: 8895865369
Email id: govindarao.l@gmrit.edu.in

CRITERIA 1

1.1. State the Vision and Mission of the Department and the Institute

The Vision and Mission of the Department

The Vision:

To be a nationally preferred department of learning for students and teachers alike, with dual commitment to research and serving students in an atmosphere of innovation and critical thinking.

The Mission:

- To provide high-quality education in Electronics & Communication Engineering to prepare the graduates for a rewarding career in Electronics & Communication Engineering and related industries, in tune with evolving needs of the industry.
- To prepare the students to become thinking professionals and good citizens who would apply their knowledge critically and innovatively to solve professional and social problems.

The Vision and Mission of the Institute

The Vision

To be among the most preferred institutions for engineering and technological education in the country… An institution that will bring out the best from its students, faculty, and staff – to learn, to achieve, to compete and to grow – among the very best… An institution where ethics, excellence and excitement will be the work religion, while research, innovation and impact, the work culture.

The Mission

- To turnout disciplined and competent engineers with sound work and life ethics.
- To implement outcome-based education in an IT-enabled environment.
- To encourage all-round rigor and instill a spirit of enquiry and critical thinking among students, faculty, and staff.
- To develop teaching, research, and consulting environment in collaboration with industry and other institutions.

Appropriateness of the statements with the Program

Statement	Appropriateness
Vision: To be a nationally preferred department of learning for students and teachers alike, with dual commitment to research and serving students in an atmosphere of innovation and critical thinking.	• The department has well qualified faculty members and they provide students with solid subject knowledge through innovative learning pedagogies. • Active research through more publications in reputed journals and good number of faculty with Ph.D. • Inculcating the culture of innovation and critical thinking among students through hobby projects.
Mission (M1): To provide high-quality education in Electronics & Communication Engineering to prepare the graduates for a rewarding career in Electronics &	• Implementation of state of art laboratories (NI, Cadence, MATLab) with application oriented practical exercises. • Implementation of well-structured curriculum such as choice based credit

Communication Engineering and related industries, in tune with evolving needs of the industry.	system, contemporary courses, mini projects, main project, term paper, industry institute interaction through summer and full semester internship, helps them to be corporate ready. • The department conducts co-curricular, extra-curricular activities and industrial visits gives insights and hands on experience. • Offering one credit courses in collaboration with core industries.
Mission (M2): To prepare the students to become thinking professionals and good citizens who would apply their knowledge critically and innovatively to solve professional and social problems.	• Organization Seminars & workshops on emerging trends and motivates the students to analyze engineering & social problems so that they remain technically and socially relevant. • Students analyze real life problems of the society and produce innovative solutions with the recent tools. • The department has professional student chapters/clubs which organizes technical events. • Department conducts co-curricular activities and extra-curricular activities which influences the behavior and develops the personality of the students.

Alignment of department statement with Institution statement

Department Statement	Institution Statement	Consistency
Vision: To be a nationally preferred department of learning for students and teachers alike, with dual commitment to research and serving students in an atmosphere of innovation and critical thinking.	To be among the most preferred institutions for engineering and technological education in the country… An institution that will bring out the best from its students, faculty, and staff – to learn, to achieve, to compete and to grow – among the very best… An institution where ethics, excellence and excitement will be the work religion, while research, innovation and impact, the work culture.	• One among the preferred department offered by the institute. • To excel in the Academics and support the institutional growth. • Continued research in order to be a supporting pillar for achieving the institutional vision. • Inculcating innovation and critical thinking among students, so that they can excel in real life situation.
Mission (M1): To provide high-quality education in Electronics & Communication Engineering to	**Mission (M1):** To turnout disciplined and competent engineers with sound work and life ethics.	**Consistency of the M2 of Dept. with M1 and M3 of Institute.**

prepare the graduates for a rewarding career in Electronics & Communication Engineering and related industries, in tune with evolving needs of the industry. **Mission (M2):** To prepare the students to become thinking professionals and good citizens who would apply their knowledge critically and innovatively to solve professional and social problems.	**Mission (M2):** To implement outcome based education in an IT-enabled environment. **Mission (M3):** To encourage all-round rigor and instill a spirit of enquiry and critical thinking among students, faculty and staff. **Mission (M4):** To develop teaching, research and consulting environment in collaboration with industry and other institutions.	• The second mission statement of the dept. aims at inculcating critical thinking among the students. This is substantially mapped with mission M3 of the institute. • Further, M2 of the dept. stresses on making students to be good citizens which is possible through good work and life ethics. Strongly mapped with M1 of the institute. **Consistency of the M1 of Dept. withM1, M2 and M4 of Institute.** • The M1 statement of the dept. aims at rewarding carrier can be possible through sound work and life ethics. This is moderately mapped with mission M1 of the institute. • The first mission statement of the dept. stresses on high quality education, substantially mapped with mission M2 of the institute. • Further, M1 of the Dept. is collaboration with industry and institute for the students to know the current trends of technology in industry. This is substantially mapped with mission M4 of the institute.

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

Graduates in Electronics and Communication Engineering, a few years after graduation would

- **E**xcel in their technical and professional careers with the spirit of learning to learn, think and live by acquiring solid foundation in science and engineering. **(PEO1)**
- **C**ontemplate real life problems, design, and develop novel products that are technically sound, economically feasible and socially acceptable. **(PEO2)**
- **E**mbrace ethical attitude and exhibit effective skills in communication, management, teamwork, and leadership qualities. **(PEO3)**

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

The Vision and Mission statements of the department along with the Program Educational Objectives (PEOs) are well stated and efforts are made to disseminate them among all the stakeholders for internalization and better understanding. Following are the various avenues used to disseminate the information effectively.

Internal Stakeholders (Students, Faculty and Management):

1. Institute Website(www.gmrit.edu.in)
2. LAN portal (LMS)
3. Campus Management System
4. Academic regulations, Syllabus books
5. Digital Signages
6. Notice Boards
7. Signages at common and prominent locations
8. Course files
9. Department library
10. Survey Forms (Students & Faculty)

External Stakeholders (Industries, Potential Employers, Professional Bodies, Research Organizations, Parents and Alumni):

1. Institute Website (www.gmrit.edu.in)
2. Survey Forms (Alumni & Employer)
3. Campus Management System (CMS)

Process of Dissemination and Assurance:

In all the avenues listed above viz. Website, LAN portal, Academic regulations, Feedback forms, Survey forms, Sign boards, Course handouts and other CMS tools, the statements of Vision and Mission are displayed prominently gaining the attention of the stakeholders and for their quick reference in both hard and soft forms. As a part of the induction program, sensitization towards Vision and Mission Statements is done every year for the benefit of the stake holders. The number of survey forms & Feedback forms distributed to all the stakeholders and hit counters in the website and LAN portal can be taken as a measure for assurance.

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

The Vision, Mission and PEOs of the department are framed by the Program Assessment and Development Committee (PADC) in consultation with Program Advisory Committee (PAC) and BoS which have the following composition with both external and internal stakeholders.

The composition of PADC:

1. Program Coordinator
2. Management representative (Principal)
3. Three senior faculty members
4. Two Student representative

The composition of PAC:

1. Program Coordinator
2. Management representative (Principal)
3. Three senior faculty members
4. Alumni & Industry nominees (One each)

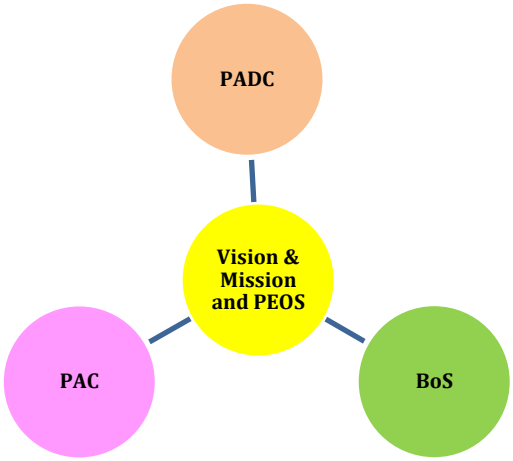


Figure 1.4.1 Different Committees involved in the revision of Vision, Mission & PEOs

The PADC reviews the Vision and Mission statements and PEOs to align all the development initiatives taken up in the department on need basis with the industry requirements. The SWOC analysis will be conducted by the PADC involving all the internal and external stakeholders to initiate the review. Further, taking the inputs from the program advisory committee (PAC) and BoS, the final versions of Vision, Mission and PEO are framed.

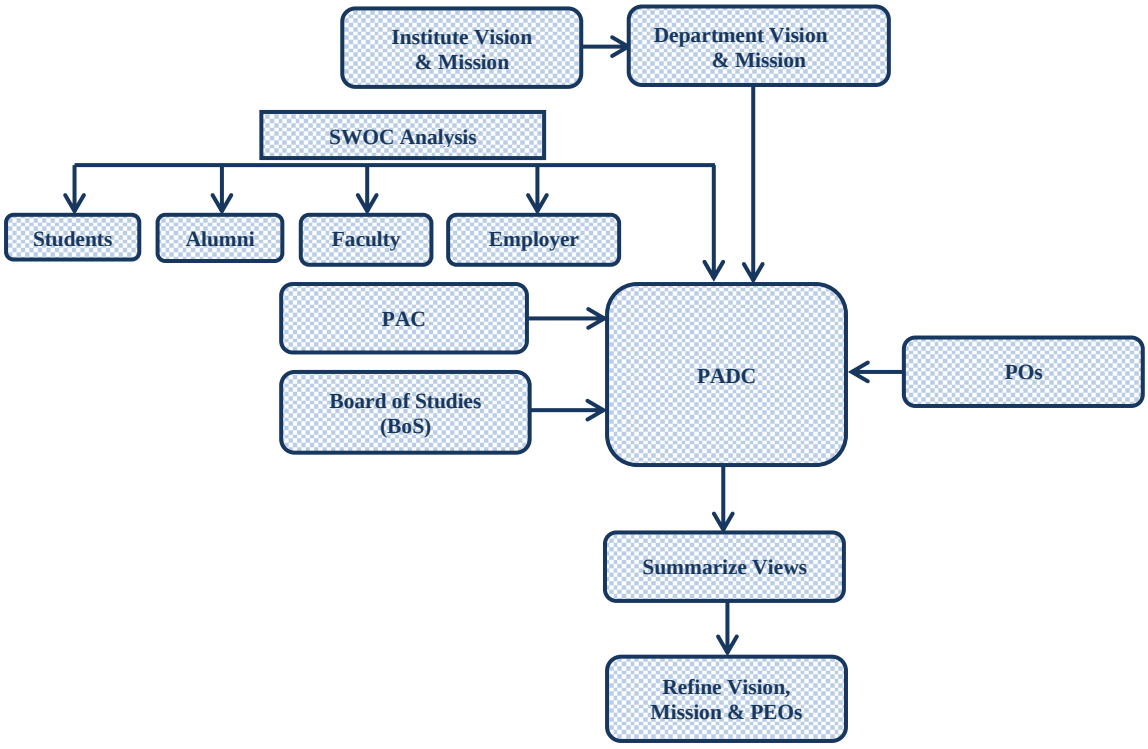


Figure 1.4.2. Formulation of the Vision, Mission and PEOs of the Program (Process Flow)

Following is the procedure adopted by PADC for revising the Vision & Mission statements and PEOs.

Step-1: Conduct SWOC analysis with the stakeholders and summarize the views

Step-2: Take the inputs from PAC and BoS

Step-3: Consolidation of the views from SWOC analysis, PAC and BoS aligned with POs

Step-4: Finalize the Vision, Mission and PEOs

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

Once the mission statements of the department are formulated, to check the consistency of the attainment of PEOs with the various activities in-line with the mission statements, the gravity of the impact of the various elements in the mission statements with PEOs are mapped and furnished below.

Table 1.1.

	High quality Learning **(M1)**	Academics & Research **(M2)**	Industrial Developments **(M3)**	Professional Skills & Ethics **(M4)**	Critical Thinking & Innovations **(M5)**	Addressing Social Needs **(M6)**
PEO1	3	2	1	1	1	-
PEO2	3	3	2	2	3	3
PEO3	2	2	1	3	1	1

3= Substantial 2 = Moderate 1=Slight

PEOs are carefully designed in such a way that it reflects the career and professional accomplishments of the graduates and in line with the vision and the mission of the department/Institute.

Consistency of the M1 with PEOs:

The first mission element of the department aims at preparing the graduates a rewarding career in Electronics and Communication Engineering in-line with industry requirements. This substantially maps with the PEO1.

Further the ability of the graduates getting adapted to the industry requirements on ongoing basis (tackle socio-economical, technical and business challenges) is getting aligned substantially with the PEO2.

The professional excellence of the graduates with leadership qualities and team work is moderately aligned with PEO3.

Consistency of the M2 with PEOs:

The second mission element of the department aims to improve the academic and research abilities of the graduate's, substantially mapped with PEO2.

It develops technical skills of the graduates so it moderately mapped with PEO1.

It also develops the student's team working and leadership qualities gets moderately mapped with PEO3.

Consistency of the M3 with PEOs:

The third element of mission statement adapted to the industry requirements on ongoing basis (tackle socio-economical, technical and business challenges) is getting aligned moderately with the PEO2.

Further, it aims at preparing the graduates a rewarding career in Electronics and Communication Engineering in-line with industry requirements is slightly mapped with the PEO1. It also develops the student's team working and leadership qualities gets slightly mapped with PEO3.

Consistency of the M4 with PEOs:
The fourth element of mission statement aims to develop professionalism, ethics, team-work and leadership qualities in graduates during their course of study gets substantially mapped with PEO3.

Further the ability of the graduates getting adapted to solve the real life problems, moderately mapped with PEO2. It also enhances the Professional career of graduate and slightly mapped to PEO1.

Consistency of the M5 with PEOs:
The fifth mission element of the department aiming to prepare the students as thinking professionals with critical thinking and innovation in solving the real time industrial problems suggesting feasible and viable solutions gets substantially mapped with PEO2.

The ability of the graduates in critical thinking and innovation with the changing industry requirements with adaptability and continuous learning with the new technologies and exhibiting the ethics and human values gets slightly mapped with PEO1 and PEO3.

Consistency of the M6 with PEOs:
The sixth mission element of the department aims the graduate's ability in solving societal problems with technology intervention gets substantially mapped with PEO2.
Further, it improves the leadership qualities gets slightly mapped with PEO3.

CRITERIA 2

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (100) Total Marks 100.00

2.1 Program Curriculum (30) Total Marks 30.00

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

Institute Marks: 10.00

The department of ECE has a standard operating process (SoP) (Figure 2.1.1) is in-place for designing & revising the curriculum/syllabi periodically by introducing skill based elective courses to cater the needs of industries related to ECE, Professional bodies and research organizations, considering the alignment with POs and PSOs. The process also takes care of minimum curriculum requirement i.e., program specific criteria (PSC) defined by lead society IEEE.

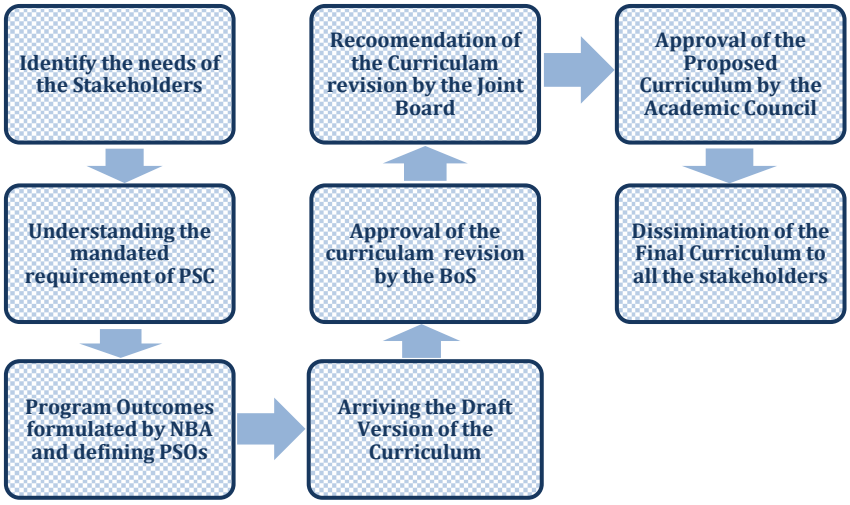


Figure 2.1.1 Curriculum Development Process

Step 1: Identify the Needs of the Stakeholders
The PADC collects the needs of the stakeholders periodically in the form of feedback and consolidate their views. Accordingly revisions to the curriculum are suggested and forwarded to the Board of Studies (BoS) for consideration and implementation ensuring the alignment with POs and PSOs.

Step 2: Understanding the Mandate Requirement of the IEEE and POs
The PADC also understands Program Specific Criteria (PSC) as well as the minimum curricular requirement put forth by the lead society IEEE. Further BoS will ensures that these components are incorporated in the curriculum in with appropriate credit proportion as prescribed by the statutory bodies like UGC and AICTE.

Step 3: Program Outcomes formulated by NBA and PSOs.
National Board of Accreditation prescribes a set of twelve Program Outcomes which are common to all the programs in line with graduate attributes. In addition to twelve POs two additional Program Specific Outcomes (PSOs) are defined aligning with the domain specific skills

Step 4: Preparation of draft version of the curriculum.
Internal BoS members of the program and allied programs shall prepare the draft version of the curriculum incorporating the revisions where ever needed aligning POs and PSOs.

Step 5: Approval and implementation of the curriculum
The department of ECE has Board of Studies constituted as per UGC norms to discus in length with regard to curriculum development and continuous update on the syllabi. The meeting is normally convened for every six months with an agenda purely based on the feedback on curriculum received from various stakeholders (academia, industry and alumni). Subsequently, joint board meetings will also be facilitated to discuss the common issues in the curriculum development process. Finally the proposed curriculum is put forth to the members of **Academic Council** for final approval and implementation.

2.2.2 Structure of the Curriculum (5)

Institute Marks: 5.00

ID	Course Code	Course Title	Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	Theory Credits	Practical Credits	Total Credits
1	16HSX01	English Communication Skills –I	3	1	0	4	3	0	3
2	16MAX01	Engineering Mathematics –I	3	1	0	4	3	0	3
3	16PYX01	Engineering Physics	3	1	0	4	3	0	3
4	16MEX01	Engineering Mechanics	3	1	0	4	3	0	3
5	16CSX01	Problem solving using C	3	1	0	4	3	0	3
6	16PYX02	Engineering Physics Lab	0	0	3	3	0	2	2
7	16CSX02	Problem solving using C Lab	0	0	3	3	0	2	2
8	16MEX02	Engineering Drawing	0	0	3	3	0	2	2
9	16HSX03	English Communication Skills – II	3	1	0	4	3	0	3
10	16MAX02	Engineering Mathematics –II	3	1	0	4	3	0	3

11	16CYX01	Engineering Chemistry	3	1	0	4	3	0	3
12	16EEX01	Basic Electrical Engineering	3	1	0	4	3	0	3
13	16CHX01	Environmental Studies	3	1	0	4	3	0	3
14	16HSX02	English Communication Skills Lab	0	0	3	3	0	2	2
15	16CYX02	Engineering Chemistry Lab	0	0	3	3	0	2	2
16	16MEX03	Engineering Workshop	0	0	3	3	0	2	2
17	16MA304	Complex Variables	3	1	0	4	3	0	3
18	16EC302	Digital Electronics	3	1	0	4	3	0	3
19	16EC303	Electronic Devices and Circuits	3	1	0	4	3	0	3
20	16EC304	Linear Circuit Analysis	3	0	2	5	3	1	4
21	16EC305	Random Variables & Stochastic Processes	3	1	0	4	3	0	3
22	16EC306	Signals & Systems	3	0	3	3	0	2	2
23	16EC307	Digital Electronics lab	0	0	3	3	0	2	2
24	16EC308	Electronic Devices and Circuits Lab	0	0	3	3	0	2	2
25	16EC309	Signals and Systems Lab	0	0	3	3	0	2	2
26	16HSX05	CCEC Activities I	0	0	3	3	0	0	0
27	16ESX1A	Employability Skills I	0	2	0	2	-0	0	0
28	16EE410	Linear Control Systems	3	1	0	4	3	0	3
29	16IT306	Object Oriented Programming through java	3	1	0	4	3	0	3

30	16EC403	Analog Communications	3	1	0	4	3	0	3
31	16EC404	Electromagnetic Fields and Waves	3	1	0	4	3	0	3
32	16EC405	Electronic Circuit Analysis	3	1	0	4	3	0	3
33	16EC406	Pulse and Digital Circuits	3	0	2	5	3	1	4
34	16IT309	Java Lab	0	0	3	3	0	2	2
35	16EC408	Analog Communications lab	0	0	3	3	0	2	2
36	16EC409	Electronic Circuits Lab	0	0	3	3	0	2	2
37	16HSX05	CCEC Activities I	0	0	3	3	0	1	1
38	16ESX1B	Employability Skills II	0	2	0	2	0	1	1
39	16EC501	Antennas and Wave Propagation	3	1	0	4	3	0	3
40	16EC502	Digital Communications	3	1	0	4	3	0	3
41	16EC503	Linear IC Applications	3	1	0	4	3	0	3
42	16EC504	Structured Digital Design	3	0	2	5	3	1	4
43	16EC505	VLSI Design	3	1	0	4	3	1	4
44	16CS303	Computer Organization and Architecture	3	1	0	4	3	0	3
	16EC001	Electronic Measurements and Instrumentation							
	16EC002	Transmission Lines and Waveguides							
45	16EC507	Digital Communications Lab	0	0	3	3	0	2	2
46	16EC508/	Term Paper	0	0	3	3	0	2	2

	16EC509	/Mini project							
47	16HSX06	CC & EC Activities II	0	0	3	3	0	0	0
48		Summer Internship	0	0	0	0	0	0	0
49	16ESX2A	Employability Skills III	0	2	0	0	0	0	0
50	16EC601	Cellular and Mobile Communications	3	1	0	4	3	0	3
51	16EC602	Digital Signal Processing	3	1	0	4	3	0	3
52	16EC603	Microprocessors and Microcontrollers	3	0	2	5	3	1	4
53	16EC604	Microwave Engineering	3	1	0	4	3	0	3
54	16IT404	Computer Networks	3	1	0	4	3	0	3
	16CS304	Database Management Systems							
	16EC003	Optical Communication and Networks							
55	16EC004	Fundamentals of Global Positioning System	3	1	0	4	3	0	3
56	16EC607	Linear IC Applications Lab	-	-	3	3	0	2	2
57	16EC509/ 16EC508	Mini Project/Term paper	0	0	3	3	0	2	2
58	16HSX06	CC & EC Activities II	0	0	3	3	0	0	1
59	16ESX2B	Employability Skills IV	0	2	0	2	0	0	1
60	16HSX04	Engineering Economics and Project management	3	1	0	4	3	0	3
61	16EC005	Digital Image Processing	3	1	0	4	3	0	3

	16EC006	Radar Engineering							
	16EC007	Speech Processing							
	16EC008	Wavelet Theory and its Applications							
62	16EC009	Biomedical Signal Processing	3	1	0	4	3	0	3
	16EC010	Electromagnetic Interference and Compatibility							
	16EC011	Embedded Systems							
	16EC012	RF Circuit Design							
63	16EC703	Digital Signal Processing Lab	0	0	3	3	0	2	2
64	16EC704	Microwave Engineering Lab	0	0	3	3	0	2	2
65	16EC705	Full Semester Internship*	0	0	0	0	0	16	16
66	16EC801	Professional Ethics and Standards	3	1	0	4	3	0	3
67	16EC802	Wireless Sensor Networks	3	1	0	4	3	0	3
68	16EE502	Power Electronics	3	1	0	4	3	0	3
	16CS004	Real Time Operating Systems							
	16EC013	Adaptive Signal Processing							
	16EC014	Analog and Mixed Signal Design							
	16EC015	Neural Networks and Fuzzy Logic							

	16EC016	Satellite Communications							
69	16EC804	Project work	0	0	0	0	0	10	10
70	16EC706	Full Semester Internship**	0	0	0	0	0	16	16
		Total	120	36	146	302	120	70	190

2.1.3 State the components of the Curriculum (5)

Institute Marks : 5.00

S. No.	Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits
1	Basic Sciences	12.64	30	22
2	Engineering Sciences	9.77	24	17
3	Humanities and Social Sciences	6.3	15	11
4	Program Core	50.57	119	88
5	Program Electives	8.62	20	15
6	Open Electives	1.72	3	3
7	Project(s)(mini project + project)	6.89	18	12
8	Internships/Seminars	9.19	48	16
9	"Any other (Please specify) Term Paper, Audit Course "	3.45	23	6
10	Total number of Credits			190

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 Annexure I (10)

Institute Marks : 10.00

The curriculum is designed aligning with the POs, PSOs ensuring the compliance of POs and PSOs with PEOs. The different courses offered in the curriculum during the four-year program are aligned with the POs and PSOs and attainment of POs and PSOs is calculated based on three level mapping.

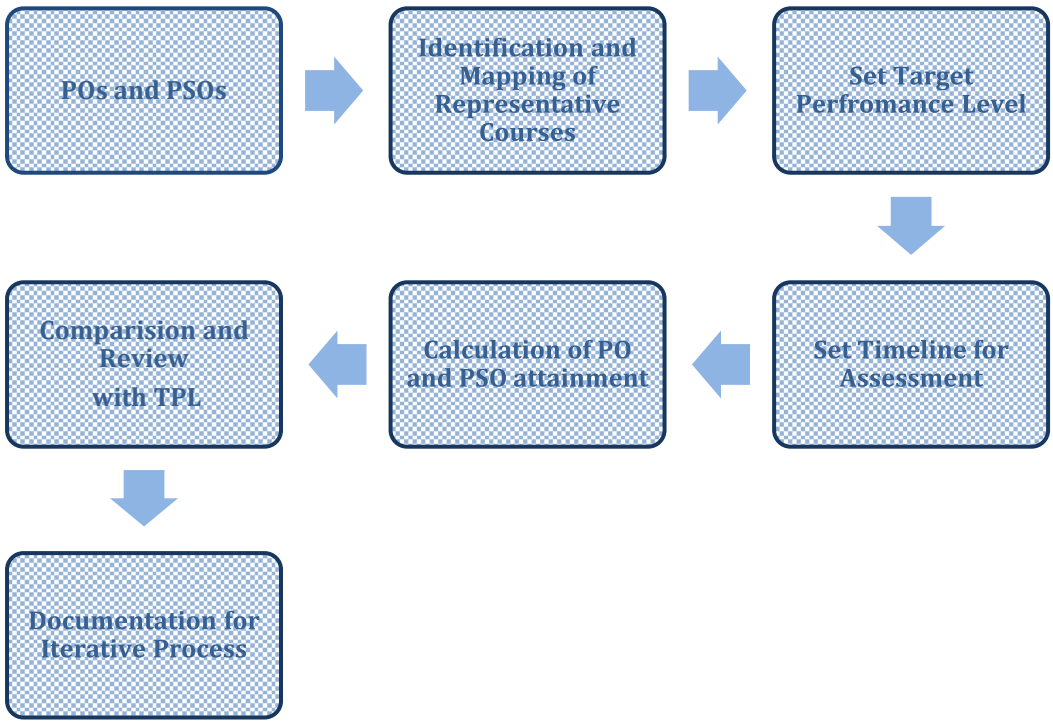


Figure 2.1. 4 Process to Ensure the Compliance of the Curriculum for the Attainment of the Outcome (s)

All the courses that are offered under the curriculum contribute to the attainment of POs & PSOs. The number of courses varying from six and above contribute to each of the POs attainment indicating the balance in the curriculum.

Program Outcomes and Program Specific Outcomes:

Program outcomes statements are directly adapted from the NBA manual which are common to all the programs. Program Specific Outcomes (PSOs) beyond the twelve POs are formulated based on the contemporary skills and competencies in line with the industry requirements.

- Identification and Mapping of Representative Courses
  All the courses offered in the curriculum are grouped under various components as mentioned in 2.1.3. The alignment of all the theory and laboratory courses representing and contributing to POs and PSOs attainment is done with three level weightage.

PO/PSO statement	Titles of the representative courses	Mapping Level(1,2,3)
PO1 Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.(Engineering knowledge)	16MAX01 Engineering Mathematics –I	3
	16PYX01 Engineering Physics	3
	16MEX01 Engineering Mechanics	3
	16CSX01 Problem solving using C	3
	16MAX02 Engineering Mathematics –II	3
	16CYX01 Engineering Chemistry	3
	16EEX01 Basic Electrical Engineering	3
	16CHX01 Environmental Studies	3
	16MEX03 Engineering Workshop	3
	16MA304 Complex Variables	3
	16EC302 Digital Electronics	3
	16EC303 Electronic Devices and Circuits	3
	16EC304 Linear Circuit Analysis	3
	16EC305 Random Variables & Stochastic Processes	3
	16EC306 Signals & Systems	3
	16EC307 Digital Electronics lab	3
	16EC308 Electronic Devices and Circuits Lab	3
	16EC309 Signals and Systems Lab	3
	16ESX1A Employability Skills I	2
	16ESX1B Employability Skills II	2
	16EE410 Linear Control Systems	3
	16IT306 Object Oriented Programming Through Java	2
	16EC403 Analog Communications	3
	16EC404 Electromagnetic Fields And Waves	3
	16EC405 Electronic Circuit Analysis	3
	16EC406 Pulse and Digital Circuits	3
	16EC408 Analog Communications Lab	3
	16EC409 Electronic Circuits Lab	3
	16EC501 Antennas and Wave Propagation	3
	16EC502 Digital Communications	3
	16EC503 Linear IC Applications	3
	16EC504 Structured Digital Design	3
	16EC505 VLSI Design	3
	16EC507 Digital Communications Lab	3
	16EC508 Term Paper	2
	Summer Internship	3
	16ESX2A Employability Skills III	2
	16EC601 Cellular and Mobile Communications	3
	16EC602 Digital Signal Processing	3
	16EC603 Microprocessors And Microcontrollers	3
	16EC604 Microwave Engineering	3

	16EC607 Linear IC Applications Lab	3
	16EC509 Mini Project	3
	16ESX2B Employability Skills IV	2
	16EC703 Digital Signal Processing Lab	3
	16EC704 Microwave Engineering Lab	3
	16EC802 Wireless Sensor Networks	3
	16EC001 Electronic Measurements and Instrumentation	3
	16EC002 Transmission Lines And Waveguides	3
	16IT404 Computer Networks	2
	16CS304 Database Management Systems	3
	16EC003 Optical Communication And Networks	3
	16ME009 Principles Of Entrepreneurship	3
	16EC004 Fundamentals Of Global Positioning Syste	3
	16CS007 IoT for Engineering Applications	3
	16CH007 Industrial Safety And Hazard Management	3
	16MA001 Computational Mathematics	3
	16CY001 Nano Science And Technology	3
	16EC005 Digital Image Processing	3
	16EC006 Radar Engineering	3
	16EC007 Speech Processing	3
	16EC008 Wavelet Theory and Its Applications	3
	16EC009 Biomedical Signal Processing	3
	16EC010 Electromagnetic Interference and Compatibility	3
	16EC011 Embedded Systems	3
	16EC012 RF Circuit Design	3
	16EE502 Power Electronics	3
	16CS004 Real Time Operating Systems	3
	16EC013 Adaptive Signal Processing	3
	16EC014 Analog And Mixed Signal Design	3
	16EC015 Neural Networks And Fuzzy Logic	3
	16EC016 Satellite Communication	3
	16EC017 ARM Processor Architecture and Applications	3
	16EC018 ASIC Design	3
	16EC019 Software Defined Radio	3
	16EC020 Testing of VLSI Circuits	3
	16EC705 Full Semester Internship	3
	16EC804 Project work	3

PO2 Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.(Problem analysis)	16MAX01 Engineering Mathematics I	2
	16PYX01 Engineering Physics	2
	16MEX01 Engineering Mechanics	3
	16CSX01 Problem Solving Using C	3
	16MAX02 Engineering Mathematics II	3
	16CYX01 Engineering Chemistry	2
	16MEX03 Engineering Workshop	3
	16EC302 Digital Electronics	2
	16EC303 Electronic Devices and Circuits	2
	16EC304 Linear Circuit Analysis	2
	16EC305 Random Variables & Stochastic Processes	2
	16EC306 Signals & Systems	2
	16EC307 Digital Electronics lab	3
	16EC308 Electronic Devices and Circuits Lab	2
	16EC309 Signals and Systems Lab	2
	16EE410 Linear Control Systems	2
	16IT306 Object Oriented Programming Through JAVA	3
	16EC403 Analog Communications	3
	16EC404 Electromagnetic Fields and Waves	3
	16EC405 Electronic Circuit Analysis	2
	16EC406 Pulse and Digital Circuits	2
	16IT309 JAVA Lab	3
	16EC408 Analog Communications Lab	2
	16EC409 Electronic Circuits Lab	2
	16EC501 Antennas and Wave Propagation	3
	16EC502 Digital Communications	2
	16EC503 Linear Ic Applications	2
	16EC504 Structured Digital Design	2
	16EC505 VLSI Design	2
	16EC507 Digital Communications Lab	3
	Summer Internship	2
	16EC601 Cellular and Mobile Communications	2
	16EC602 Digital Signal Processing	2
	16EC603 Microprocessors And Microcontrollers	3
	16EC604 Microwave Engineering	2
	16EC607 Linear Ic Applications Lab	2
	16EC509 Mini Project	3
	16EC703 Digital Signal Processing Lab	2
	16EC704 Microwave Engineering Lab	2
	16EC802 Wireless Sensor Networks	2

	16CS303 Computer Organization and Architecture	3
	16EC001 Electronic Measurements and Instrumentation	2
	16EC002 Transmission Lines and Waveguides	2
	16IT404 Computer Networks	3
	16CS304 Database Management Systems	3
	16EC003 Optical Communication And Networks	2
	16CE007 Disaster Management	3
	16EE004 Renewable Energy Sources	3
	16EC004 Fundamentals of Global Positioning System	2
	16CH007 Industrial Safety and Hazard Management	3
	16IT005 Fundamentals Of Cloud Computing	3
	16MA001 Computational Mathematics	3
	16EC005 Digital Image Processing	2
	16EC006 RADAR Engineering	2
	16EC007 Speech Processing	2
	16EC008 Wavelet Theory and Its Applications	2
	16EC009 Biomedical Signal Processing	2
	16EC010 Electromagnetic Interference and Compatibility	2
	16EC011 Embedded Systems	2
	16EC012 RF Circuit Design	2
	16EE502 Power Electronics	2
	16CS004 Real Time Operating Systems	2
	16EC013 Adaptive Signal Processing	3
	16EC014 Analog and Mixed Signal Design	2
	16EC015 Neural Networks and Fuzzy Logic	3
	16EC016 Satellite Communication	2
	16EC017 ARM Processor Architecture and Applications	3
	16EC018 ASIC Design	2
	16EC019 Software Defined Radio	2
	16EC020 Testing of VLSI Circuits	2
	16EC705 Full Semester Internship	3
	16EC804 Project work	3
PO3 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	16MEX01 Engineering Mechanics	3
	16CSX01 Problem Solving Using C	3
	16EEX01 Basic Electrical Engineering	1
	16CHX01 Environmental Studies	3
	16IT306 Object Oriented Programming Through JAVA	3
	16IT309 JAVA Lab	2

considerations.(Design/development of solutions)	16EC504 Structured Digital Design	2
	16EC505 VLSI Design	2
	16EC603 Microprocessors and Microcontrollers	2
	16EC607 Linear IC Applications Lab	2
	16EC509 Mini Project	3
	16CS303 Computer Organization and Architecture	3
	16CS304 Database Management Systems	3
	16CS006 Computational Intelligence	3
	16CH007 Industrial Safety And Hazard Management	3
	16PE007 Smart Grid Technology	3
	16EE502 Power Electronics	2
	16EC018 ASIC Design	2
	16EC804 Project work	3
PO4 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.(Conduct investigations of complex problems)	16PYX02 Engineering Physics Lab	3
	16CSX02 Problem Solving Using C Lab	3
	16MEX02 Engineering Drawing	3
	16CYX02 Engineering Chemistry Lab	3
	16EC304 Linear Circuit Analysis	2
	16EC307 Digital Electronics lab	2
	16EC308 Electronic Devices and Circuits Lab	2
	16EC309 Signals and Systems Lab	2
	16EC406 Pulse and Digital Circuits	2
	16IT309 JAVA Lab	2
	16EC408 Analog Communications Lab	2
	16EC409 Electronic Circuits Lab	2
	16EC504 Structured Digital Design	2
	16EC507 Digital Communications Lab	2
	16EC508 Term Paper	2
	16EC603 Microprocessors and Microcontrollers	3
	16EC607 Linear Ic Applications Lab	2
	16EC509 Mini Project	2
	16EC703 Digital Signal Processing Lab	2
	16EC704 Microwave Engineering Lab	2
	16EC804 Project work	2
PO5 Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an	16EC304 Linear Circuit Analysis	2
	16EC309 Signals and Systems Lab	3
	16IT306 Object Oriented Programming Through JAVA	3
	16EC406 Pulse And Digital Circuits	3
	16IT309 JAVA Lab	3
	16EC408 Analog Communications Lab	3

understanding of the limitations.(Modern tool usage)	16EC504 Structured Digital Design	2
	16EC603 Microprocessors and Microcontrollers	3
	16EC509 Mini Project	3
	16EC703 Digital Signal Processing Lab	3
	16ME009 Principles Of Entrepreneurship	3
	16CS006 Computational Intelligence	3
	16CS007 IoT for Engineering Applications	3
	16IT005 Fundamentals of Cloud Computing	2
	16PE007 Smart Grid Technology	3
	16EC705 Full Semester Internship	3
	16EC804 Project work	3
PO6 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.(The engineer and society)	16CHX01 Environmental Studies	3
	16HSX05 CCEC Activities I	3
	16ESX1A Employability Skills I	3
	16ESX1B Employability Skills II	3
	16HSX06 CC & EC Activities II	3
	16ESX2A Employability Skills III	3
	16EC509 Mini Project	3
	16ESX2B Employability Skills IV	3
	16EC801 Professional Ethics And Standards	3
	16CS006 Computational Intelligence	1
	16CH007 Industrial Safety And Hazard Management	3
	16IT005 Fundamentals of Cloud Computing	1
	16EC804 Project work	3
PO7 Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.(Environment and sustainability)	16CHX01 Environmental Studies	3
	16HSX05 CCEC Activities I	2
	16HSX06 CC & EC Activities II	2
	16EC509 Mini Project	2
	16EC801 Professional Ethics And Standards	2
	16EE004 Renewable Energy Sources	3
	16EC010 Electromagnetic Interference and Compatibility	3
	16EC804 Project work	2
PO8 Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.(Ethics)	16ESX1A Employability Skills I	2
	16ESX1B Employability Skills II	2
	Summer Internship	3
	16ESX2A Employability Skills III	2
	16EC509 Mini Project	3
	16ESX2B Employability Skills IV	2
	16EC801 Professional Ethics and Standards	3
	16ME009 Principles Of Entrepreneurship	2

	16CH007 Industrial Safety and Hazard Management	3
	16EC705 Full Semester Internship	3
	16EC804 Project work	3
PO9 Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.(Individual and team work)	16MEX02 Engineering Drawing	3
	16HSX05 CCEC Activities I	3
	16HSX06 CC & EC Activities II	3
	16EC509 Mini Project	3
	16EC705 Full Semester Internship	3
	16EC804 Project work	3
PO10 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.(Communication)	16HSX01 English Communication Skills I	3
	16MEX02 Engineering Drawing	3
	16HSX03 English Communication Skills II	3
	16HSX02 English Communication Skills Lab	3
	16MEX03 Engineering Workshop	2
	16HSX05 CCEC Activities I	3
	16ESX1A Employability Skills I	3
	16ESX1B Employability Skills II	3
	16EC508 Term Paper	3
	16HSX06 CC & EC Activities II	3
	Summer Internship	3
	16ESX2A Employability Skills III	3
	16EC509 Mini Project	3
	16ESX2B Employability Skills IV	3
	16EC705 Full Semester Internship	3
	16EC804 Project work	3
PO11 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.(Project management and finance)		
	16EC509 Mini Project	2
	16HSX04 Engineering Economics And Project Management	3
	16ME009 Principles Of Entrepreneurship	3
	16EC804 Project work	2
PO12 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.(Life-long learning)	16MEX03 Engineering Workshop	3
	16CY001 Nano Science And Technology	2
	16ESX1A Employability Skills I	2
	16ESX1B Employability Skills II	2
	16EC508 Term Paper	3
	Summer Internship	3
	16ESX2A Employability Skills III	2
	16EC509 Mini Project	2
	Audit Course	3
	16ESX2B Employability Skills IV	2
	16EC804 Project work	2

PSO1 Apply the knowledge of technological evolutions, model / character the devices and design the integrated as to build analog and digital systems. (Program Specific)	16EC302 Digital Electronics	2
	16EC303 Electronic Devices and Circuits	3
	16EC304 Linear Circuit Analysis	3
	16EC307 Digital Electronics lab	3
	16EC308 Electronic Devices and Circuits Lab	3
	16EE410 Linear Control Systems	3
	16EC405 Electronic Circuit Analysis	3
	16EC406 Pulse and Digital Circuits	3
	16EC409 Electronic Circuits Lab	3
	16EC503 Linear IC Applications	3
	16EC504 Structured Digital Design	3
	16EC505 VLSI Design	3
	16EC603 Microprocessors and Microcontrollers	3
	16EC607 Linear IC Applications Lab	3
	16EC509 Mini Project	3
	16EC802 Wireless Sensor Networks	2
	16EC001 Electronic Measurements and Instrumentation	3
	16EC011 Embedded Systems	3
	16EC012 RF Circuit Design	3
	16CS004 Real Time Operating Systems	3
	16EC014 Analog and Mixed Signal Design	3
	16EC015 Neural Networks and Fuzzy Logic	3
	16EC017 ARM Processor Architecture and Applications	3
	16EC018 ASIC Design	3
	16EC020 Testing of VLSI Circuits	3
	16EC705 Full Semester Internship	3
	16EC804 Project work	3
PSO2 Understand and apply the fundamentals of communication and signal processing to develop systems wrapped with industry standard protocols and standards. (Program Specific)	16MA304 Complex Variables	3
	16EC305 Random Variables & Stochastic Processes	3
	16EC306 Signals & Systems	3
	16EC309 Signals and Systems Lab	3
	16EE410 Linear Control Systems	3
	16EC403 Analog Communications	3
	16EC404 Electromagnetic Fields and Waves	3
	16EC408 Analog Communications Lab	3
	16EC501 Antennas and Wave Propagation	3
	16EC502 Digital Communications	3
	16EC507 Digital Communications Lab	3
	16EC601 Cellular and Mobile Communications	3

	16EC602 Digital Signal Processing	3
	16EC604 Microwave Engineering	3
	16EC509 Mini Project	3
	16EC703 Digital Signal Processing Lab	3
	16EC704 Microwave Engineering Lab	3
	16EC802 Wireless Sensor Networks	2
	16EC002 Transmission Lines and Waveguides	3
	16EC003 Optical Communication and Networks	3
	16EC004 Fundamentals of Global Positioning Syste	3
	16EC005 Digital Image Processing	3
	16EC006 RADAR Engineering	3
	16EC007 Speech Processing	3
	16EC008 Wavelet Theory and Its Applications	3
	16EC009 Biomedical Signal Processing	3
	16EC010 Electromagnetic Interference and Compatibility	3
	16EC012 RF Circuit Design	3
	16EC013 Adaptive Signal Processing	3
	16EC015 Neural Networks And Fuzzy Logic	3
	16EC016 Satellite Communication	3
	16EC019 Software Defined Radio	3
	16EC705 Full Semester Internship	3
	16EC804 Project work	3

- **Set Target Performance Level**

  Annual review of PO and PSO attainment is done and accordingly improvisations are suggested for the respective representative courses. Based on the effectiveness of improvisations and best practices introduced during the last three years, ensuring continuous improvement every year a target performance level is set as a base line for comparison. Target performance level is set based on the attainment of POs and PSOs of the previous years.

- **Calculation of PO and PSO attainment**

  At the end of every assessment (continuous & Semester end assessments), calculation of PO and PSO attainment is done using direct and indirect tools with weightage of 85 % and 15% respectively by the course coordinators.

  Direct tool: CO attainment of all the representative courses: CO attainment is calculated based on the performance in the continuous assessment and end semester assessment.

Indirect tool:

1. Program exit survey from all the outgoing students
2. Alumni survey
3. Employer survey

- **Comparison and review with TPL**

  Attainment of POs and PSOs is reviewed annually in comparison with TPL set. In case of any deviation in the attainment levels observed, a detailed analysis is done by the respective course coordinators to identify the root cause which could be due to the impact of teaching methodology, Students understanding level, and Toughness index of the question paper etc. Based on the level of attainment and the representative courses influencing the attainment, additional initiatives related to pedagogy are introduced catering to both bright students & slow learners for continuous improvement.

2.2 Teaching – Learning Processes (70)

Total Marks 70.00

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

Institute Marks : 15.00

Teaching and Learning are necessary actions to accomplish the educational goals. The department of Information Technology follows and introduces the different pedagogical methods and initiatives for the continuous improvement of the quality of Teaching – Learning. Overall framework of the different processes adapted to enhance the quality of teaching and learning is depicted in the flow chart. For all the initiatives taken up in teaching and learning appropriate documentation is done to visualize the impact on the performance of the students.

Teaching Process

Preparation & Adherence of Academic calendar:

Following the overall affiliating university timelines for completion of the various academic activities, well in advance to the commencement of the academic year, academic calendar is prepared. Ensuring the minimum number of instruction days as per the UGC norms all the academic activities such as instruction weeks, schedules for continuous and end-semester assessments are planned. Academic Monitoring Committee conducts the reviews periodically to verify the adherence of academic calendar.

Event calendar of Co-curricular and Extracurricular activities:

For the holistic growth of the students apart from the curricular activities to enhance the technical skills and soft skills of the students, different Co-curricular and Extra-curricular activities are planned during the semester in addition to the classwork. As per the event calendar, the faculty coordinators of the respective departments ensure the conduct of activities.

Course Handout/Teaching plan/Diary:

All course coordinators shall prepare the course handouts in advance to the commencement of the classwork and will be shared with the students. Course handout helps the teachers and students to ensure the timely completion of the syllabus. Further, it also helps the students to understand the topics covered beyond the curriculum.

Augmented Experiments in Laboratory:

Enabling the students to apply the concepts learned and to nurture the research aptitude, the students are encouraged to design new experiments/working models to augment the curriculum.

Indicative objective statements for the augmented experiments are provided to promote the out of the box thinking and collaborative learning.

Home assignments & Class test:

Curriculum has a provision for self-learning element in each of the units of the syllabus. To ensure the overall learning and not to miss out the self-learning component, home assignments and class tests are conducted covering those concepts.

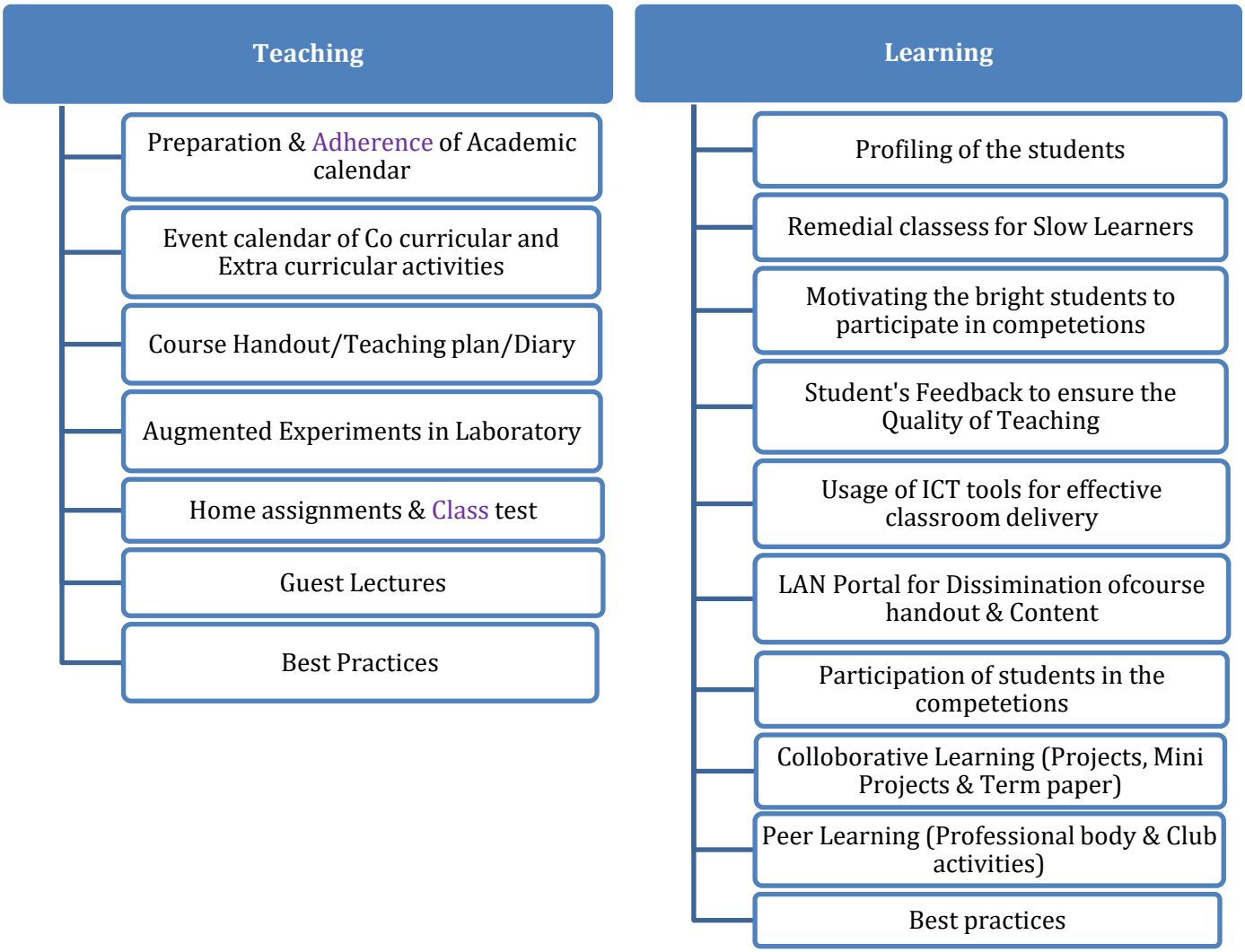


Figure 2.2.1 Best Practices in Teaching – Learning Process at GMRIT

Guest Lectures:

To keep the students in pace with the contemporary knowledge, a series of guest lectures are organized in every semester by inviting the subject matter expert from the industry, academia, and research. The guest lectures motivates the students to choose the career path in the respective disciplines.

Best Practices:

- FDPs for competency enhancement
- Workshops and seminars for technology updates
- Faculty & Students involvement in the governance
- Incentives for research promotion

Learning Process

Profiling of the students:

Students from various cross sections in terms of demography and motivation levels, take admissions in engineering program having varied capacity of learning. To balance the learning levels among all the students in the class, profiling is done based on the academic competency.

Remedial for Slow Learners:

In the beginning of all the semesters based on the performance in the continuous assessment, slow learners are identified. To ramp up the learning ability of the students, remedial classes are scheduled beyond the regular classwork bringing them in pace with the other students. Further, the students who could not clear the course in the first attempt are tracked and provided with additional coaching for supplementary exams.

Motivating the bright students to participate in competitions:

To encourage the creamy layer of the students to stretch beyond and take an extra mile, students are motivated to participate in various national and international competitions. This will enable the bright students explore the various career opportunities in the international domain leading to a very bright career which increase the self-reputation and as well the institution reputation. All the advanced learners are given opportunity to work on real time projects supervised by the faculty mentors.

Student's Feedback to ensure the Quality of teaching:

Feedback from the stakeholders is believed as a tool for the continuous improvement. Apart from giving an opportunity to express their learning experience for the students, it is a tool for all the faculty members for self-assessment and continuous improvement.

Usage of ICT tools for effective classroom delivery:

Every Classroom is equipped with an Audio video facility enabling faculty to use laptops for Visualization of concepts to the students. Smart classrooms with interactive projectors will facilitate the faculty members for the effective utilization of ICT tools for the classroom delivery.

LAN Portal for dissemination of Course handout and content:

Course handouts consisting of objectives, outcomes, lesson plan, Syllabus, and reference books of all the courses are made available on LAN. Lecture notes and Video Lectures are uploaded on ongoing bases to supplement the classroom teaching.

Participation of students in the competition:

To enhance the confidence levels of the students, they are motivated to participate in all the national and international competitions organized by the premier institutions. This will scope for the students for cross cultural interactions that enhance technical and soft skills. The respective department coordinators regularly update about the events conducted at national and international levels and support them in getting financial assistance.

Collaborative Learning (Projects, Mini Projects & Term paper):

In the Curriculum Term paper, Mini project and project work are made available to promote collaborative learning. Students were encouraged to form into groups with inter disciplinary combinations in addressing the real time problems. This leads to an eco-system making the students to learn by working together in collaboration.

Peer Learning (Professional body & Club activities):

To enable the peer learning, student club activities, Societal activities, Co- and Extra- curricular activities are being organized as per the event calendar. This facilitates the learning among the peers by organizing various activities among themselves viz. Seminars, Quizzes, Elocutions and debates.

Best practices:

- Student Council
- Participation in the placement activities
- Participation in department development
- Student centric community engagement
- Availability and Usage of resources 24x7

The impact analysis for various Teaching & Learning initiatives are recorded in terms of

1. Subject wise student attendance and performance
2. Quality of performance subject wise (Number of students crossing the course average)
3. Number the students clearing the exams in first attempt
4. Overall semester wise pass percentage
5. Percentage of students involved in Co-Curricular and Extra -Curricular activities
6. Student placements & participation in the national & international competitions
7. Higher education and Entrepreneurship
8. Research credentials of the faculty and students

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

Institute Marks : 15.00

The quality of question papers, conduct of examinations/tests and evaluation of answer scripts during continuous assessment and end semester examinations is ensured by having an SOP followed in true spirit.

Internal Test Question Papers

The Academic Monitoring Committee AMC ensures the conduct of the class work and completion of the syllabus as per the course handout. All the course coordinators shall review for the uniform syllabus completion before the commencement of the examinations. The program coordinator shall scrutinize the question papers set by the course coordinator for continuous assessment to ensure the mapping of the COs aligned with the syllabus covered with appropriate learning levels. The third continuous assessment contributes to attainment of all COs. A set of questions covering all the COs is provided to the students as an assignment that helps the students in the performance. Based on the class average marks and number of students scoring more than the class average, the respective CO attainments are calculated.

Quality of End Semester Examination Question Papers

The end semester exam question papers are invited from the external and internal subject experts with proper mapping of Cos and related learning levels. To ensure the quality and compliance with the guidelines for the question paper setting, question paper moderator reviews the question paper two hours before the commencement of the examination. In case of any deviation more than 15% the moderator rejects the question paper and another question paper is considered from the

question paper bank. Based on the class average marks and number of students scoring more than the class average, the respective CO attainments are calculated.

Based on the marks scored for each of the questions, the CO attainment levels are computed and compared with the target levels. Corrective measures are initiated in the course delivery in case of non-attainment of target level for the subsequent batches for continuous improvement.

2.2.3 Quality of Students Projects (20)

Institute Marks : 20.00

The quality of students' projects is ensured at different levels right from the division of the student batches, allotment of supervisor and till the final assessment. The process include

- Project batch formation with uniform distribution of students based on academic performance.
- Allotment of supervisor for each batch of students based on area of interest.
- Selection of the project topic based on the student's expertise contributing to POs and PSOs.
- Continuous monitoring of the progress through Project review Committee.
- Indicative classification of the projects (Working model/Prototype, Software Development, Simulation and Analysis, Product development etc.)
- Continuous Final Assessment based on the rubric.

Project batch formation.

At the end of the 6th semester project batch formation is done ensuring the uniform distribution of the students' academic competency across all the batches. The batch size is normally restricted to a maximum of five.

Allotment of supervisor.

Once the project batches are formed, all the project batches notify their areas of interest and expertise. The PRC allocates the supervisors mapping the student's interest and specialization of the faculty members.

Selection of the project topic.

Students are motivated to take up the projects related to consumers, commercial and societal related aspects where by the students are assessed for the demonstrating of their skills covering Programming, Computational, Analytical, Designing and soft skills, in addition to core competencies viz., Communication & Signal Processing, Embedded systems and VLSI design.

The project supervisors ensure the topic selection that contributes to attainment of most of the POs and PSOs.

Monitoring of project progress.

The PRC conducts reviews to monitor the progress continuously. A schedule with the time line will be notified in the beginning of the semester for the various activities starting from finalization of the project title and abstract. To ensure that all the batches progress uniformly and carryout the project work, during the semester PRC conducts four reviews for continuous assessment apart from the final assessment conducted by the external expert.

Indicative classification of the projects

All the project works taken up by the students may get covered under the following domains and specializations classified as given below.

Working model/Prototype

Software Development

Simulation and Analysis

Product development

Continuous Final Assessment.

The continuous and final assessments are done having an SOP and rubric design to assess the various learning levels contributing the Cos and POs. Attainment calculations for Project work: http://115.241.205.4/gmritnew/nba/Project%20Attainment%20Calculation.pdf (http://115.241.205.4/gmritnew/nba/Project%20Attainment%20Calculation.pdf)

Skills acquired in the project and PO mapping.

SI. No	**Skills Demonstrated**	**Project Outcomes**	**POs PSOs**
1	Domain specific knowledge	Apply the use of principles and paradigms of Electronics and Communication Engineering	PO1,PO2,PO3, PSO1, PSO2
2	Programming skills	Acquire practical knowledge within the chosen area of technology for project development	PO4,PO5, PO12
3	Analytical skills	Identify, analyze, formulate and handle programming projects	PO5,PO7,PO11
4	Articulation and comprehending skills	Develop effective communication skills for presentation of project related activities	PO10
5	Professionalism	Demonstrate and insight to behave ethically in professional practice to support the larger community	PO6,PO8
6	Teamwork	Contribute as an individual or in a team in development of technical projects	PO9

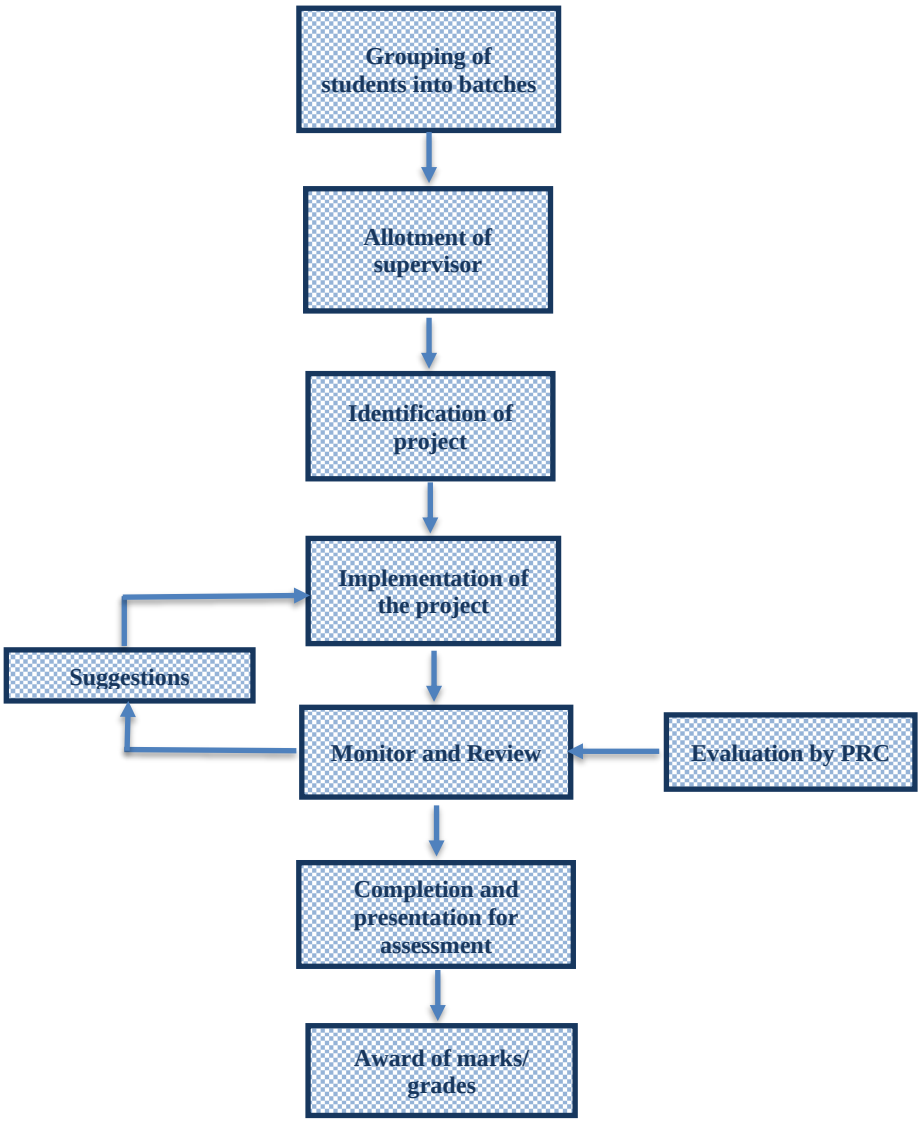


Figure 2.2.3 Processes involved in Project Execution.

Project Impact Analysis

All the project works taken up by the students get covered under the Working model/Prototype, Software Development, Simulation & Analysis and Product development. The outcomes of the project are classified as 1. Projects presented at various contests organized by premier institutions and organizations, 2. Publication of the project results in conference proceedings/journal, 3. Working models as per the industry requirements in inter-disciplinary approach and 4. Provide the necessary solution to the societal needs in the form of product development.

1. Students are encouraged to participate and demonstrate their projects at various contests organized by premier institutions and organizations. Following are the list of projects which were recognized and appreciated at national level.

Academic Year	Title of the Project	Recognition	Organized by
2021-2022	Innovation for Societal Benefits Model	Second Prize	NSTL Vishakapatnam
2020-2021	NIL	NIL	NIL
2019-2020	Line Follower	First Prize	Raghu College of Engineering, Visakapatnam
2018-2019	Braille Keyboard Guiding System	First Prize	JNTUK College of Engineering,Vizianagaram
2017-2018	Waste Segregation Using Smart Bin	Third Prize	JNTUK College of Engineering,Vizianagaram

2. Students are encouraged to present/publish the outcome of their project in conference/journal. Following are the list of papers which are presented/ published in conference/journal.

Academic Year	**Title of the project**	**Title of Journal/Conference paper**
2017-2018	Design and implementation of FPGA based 32-bit Wallace and systolic multipliers	P Vamsi Krishna, K Nirosha, G Amala, N Manikanta and J Venkata Suman, "Design and implementation of FPGA based 32-bit Wallace and systolic multipliers", International Journal of Creative Research Thoughts, Vol. No.6, Issue No.2, pp 162-168, April 2018
2017-2018	Digital Fuel Meter for Automobiles	S K Jabeer, R Mounika, V Nagaphaneendra, M Ram Prakash, "Digital Fuel Meter for Automobiles", in the proceedings of NCIAES-18, 23rd March 2018, Organized by KPR Institute of Engineering Technology, Coimbatore
2017-2018	Design and Development of Wearable Device to Convert Sign Language to voice	P Chandrika, P Bhavani, Y N Ravikiran, U Madhuri, "Design and Development of Wearable Device to Convert Sign Language to voice", in the proceedings of ICSTEM-18, 23rd -24th March 2018, Organized by Kalaignarkarunanidhi Institute Of Technology
2017-2018	Image Quality Assessment For Detection And Removal Of Rain Drops	Prtyusha Patnaik, S Nikhil, B bharadwaj, P Kartik, Y Srikanta, "Image Quality Assessment For Detection And Removal Of Rain Drops", in the proceedings of IOSRD, 2nd & 3rd March 2018, Organized by International Organization of Scientific Research and Development Pondicherry, India
2018-2019	Density Based Traffic Control Signalling Using IR Sensors	T Kalyan Sai Manikanta Chari, T Sai Teza, "Density Based Traffic Control Signalling

		Using IR Sensors", International Journal of Engineering and Information Systems IJEAIS, Vol. No.3, Issue No.3, pp 51-56, March 2019
2018-2019	An Affordable Design for Baby Incubator	P S Madhurima, S Amruta, YVVSSAR Varma Mantena, P Reshmi Karun, "An Affordable Design for Baby Incubator", Imperial Journal of Interdisciplinary Research, Vol. No.5, Issue No.1, 2019
2018-2019	Design And Performance Comparison Of 16-Bit UT Multiplier Using Reversible Logic	K Yogeshwari, G Yashwanth, T Chinnu, J Venkata Suman, "Design And Performance Comparison Of 16-Bit UT Multiplier Using Reversible Logic", International Journal for Research in Applied Science and Engineering Technology, Vol. No.7, Issue No.4, pp 903-911, April 2019
2018-2019	Process For Product Design And Its Development	Henanth Sahu, Ibrahim Z Khan, G Mohan Sai, "Process For Product Design And Its Development", International Journal for Engineering Development and Research, Vol. No.7, Issue No.1, pp 238-240, February 2019
2018-2019	Screen Touch Technology	Dhiraj Kumar Sahu, C H Pawan Kalyan, D Harika, "Screen Touch Technology", International Journal of Academic Engineering Research, Vol. No.2, Issue No.8, August 2018
2018-2019	Latest Version Of Technology-5G	M devi Priyanka, P Anusha, P Sai Madhurima, "Latest Version Of Technology-5G", International Journal of Academic Engineering Research, Vol. No.2, Issue No.8, August 2018
2018-2019	Throughput Delay Analysis of IEEE 802.11AC Wireless Network	T Kalyan Sai Manikanta Charri, Teja Sai Rajeshwari M, "Throughput Delay Analysis of IEEE 802.11AC Wireless Network", International Journal of Academic Engineering Research, Vol. No.2, Issue No.8, August 2018
2018-2019	Pavement Irresisitible Sensor System For Automobile Recognition	N Lekha Sri, M Roza, K Sai Padmarao, "Pavement Irresisitible Sensor System For Automobile Recognition", International Journal of Academic Engineering Research, Vol. No.2, Issue No.8, August 2018
2018-2019	Super Capacitors	Dhiraj Kumar Sahu, Nutan K, K satya Sai Raj, "Super Capacitors", International Journal of Academic Engineering Research, Vol. No.2, Issue No.8, August 2018
2018-2019	Design and Implementation of Speech to Text Conversion on Raspberry Pi	A. Pardha Saradhi , A. Sai Kiran, A. Dileep Kumar, B. Srinivas, M. V. Nageswara Rao "Design and Implementation of Speech to Text Conversion on Raspberry Pi" Proceedings of the International Journal of Innovative Technology and Exploring Engineering , Volume 8, Issue 6, April 2019, pp. 1815-1818. (Scopus)

2018-2019	Telugu text extraction and recognition using convolutional and recurrent neural networks	A. Ram Bharadwaj, A. Venugopal, Ch. Surya Kiran, M. V. Nageswara Rao "Telugu text extraction and recognition using convolutional and recurrent neural networks" Proceedings of the International Journal of Engineering and Advanced Technology (IJEAT), Volume-8 Issue-5, June 2019, pp 1449-1451. (Scopus)
2019-2020	LBP based approach to distinguish synthetic images from natural images	S K Jabeer, R Mounika, V Nagaphaneendra, M Ram Prakash, "LBP based approach to distinguish synthetic images from natural images", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology ICTEST 2020, 2020, Organized by KPR Institute of Engineering Technology, Coimbatore
2019-2020	Medical Record Security for Telemedicine Application	S K Jabeer, R Mounika, V Nagaphaneendra, M Ram Prakash, "Medical Record Security for Telemedicine Application", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology ICTEST 2020, 2020, Organized by KPR Institute of Engineering Technology, Coimbatore
2021-22	An Optimized Solution For Secure Data Transfer Over IOT Networks In Smart Cities	MALLA PAVAN KUMAR, PEDDINTI KEERTHANA, LOLUGU SAI KOMAL VARDHAN, MAKIREDDY GIRISH KUMAR, "An Optimized Solution For Secure Data Transfer Over IOT Networks In Smart Cities", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology, 30th – 31st March 2022, Organized by Rathinam Technical Campus, Coimbatore.
2021-22	Vision Based Traffic System using Traffic Density Calculation	D PAWAN KALYAN, A HARSHA VARDHAN, A SAI SUPRAJA, S HARSHINI, "Vision Based Traffic System using Traffic Density Calculation", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology, 6th – 7th May 2022, Organized by Rathinam Technical Campus, Coimbatore
2021-22	An efficient Key agreement and anonymous mutual authentication protocols for secure communication in VANET'S	K Swathi, M Sai Venkata Krishna Reddy, K Rakesh, P Pavan Kumar, M Hemanth Kumar, "Vision Based Traffic System using Traffic Density Calculation", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology, 22nd – 23rd April 2022, Organized by Rathinam Technical Campus, Coimbatore

2021-22	An efficient and secure anonymous authentication scheme for V2G Networks	BONI MOUNIKA, Ch Tarakeswari, A Swathi, ABVS Gayath, "An efficient and secure anonymous authentication scheme for V2G Networks", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology, 21st & 22nd April, 2022, Organized by Rathinam Technical Campus, Coimbatore
2021-22	Child Proofing Intelligent	K NAVYA MANJEERA, P DEEKSHITA, J PREM SAI, K UDAY KIRAN, M MUKESH, "Child Proofing Intelligent", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology, 29th & 30th April, 2022, Organized by Rathinam Technical Campus, Coimbatore
2021-22	Distance Measurement Based on Gyration	K LOKESH SUBRAHMANYAM, N SRAVYA, M ABHISHEK, "Distance Measurement Based on Gyration", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology, 29th & 30th April, 2022, Organized by Rathinam Technical Campus, Coimbatore
2021-22	Wireless AC Power Detector and Smart Watering System	N RAJESH, K SUDHEER NAIDU, "Wireless AC Power Detector and Smart Watering System", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology, 29th & 30th April, 2022, Organized by Rathinam Technical Campus, Coimbatore
2021-22	Smart Street Light Controller	K DURGA PRASAD REDDY, P HARSHA, "Smart Street Light Controller", in the proceedings of International Conference on Recent Trends in Engineering and Scientific Technology, 29th & 30th April, 2022, Organized by Rathinam Technical Campus, Coimbatore

3. Students are encouraged to develop working models to provide solutions to real time problems.

Following is the list of working models developed.

Academic Year	**Title of the project**
2017-2018	IoT Based Fire Detection and Corroboration System For Global Applications Using Arduino
2017-2018	Digital Fuel Meter for automobiles
2017-2018	Design & Development of Wearable Device to Convert Sign Language to Voice
2018-2019	Implementation Of Speech To Text Conversion On Raspberry PI
2018-2019	Identification of Fuel Fraudulent and nearby Fuel Stations Using Flow Sensor and GPS
2018-2019	IOT based underground cable fault distance determiner
2018-2019	Dynamic traffic controlling system using 8051 microcontroller
2018-2019	WIFI Controlled Robot using Raspberry PI
2019-2020	Automatic Food Maker

2019-2020	Wireless 3 axis movement robot with speech recognition
2019-2020	Designing of ARC Welding Application Using Collaborative Robot
2019-2020	Designing of ARC Welding Application along with conveyor using sequence programing
2019-2020	Accident Prevention System using Compact Embedded System
2019-2020	An automatic monitoring and controlling system for greenhouse
2019-2020	Automatic corporation distribution using SCADA
2020-2021	IOT based smart irrigation management system using MQTT protocol
2020-2021	Smart traffic light control system for emergency vehicles
2021-2022	Traffic control system based on object count using image processing
2021-2022	Design and development of three stage industrial car washing system
2021-2022	Face Mask detection and automatic hand sanitizer dispenser for smart room to tackle Covid-19
2021-2022	Design and implementation of AI based surveillance and object detection robot

4. Students are encouraged to take up the field visits in order to provide solutions to community problems. List of products developed are given below.

S.No	Title of the Project
1	Artificial Intelligence based Pesticide Spraying Robot with Plant health Monitoring
2	Autonomous boat for water cleaning & purification
3	Smart Hat - Ensuring workers safety
4	Automatic Ghee Making Machine
5	Smart Glove For Deaf And Dumb People

2.2.4 Initiatives related to industry interaction (10) **Institute Marks:10.00**

The curriculum is reviewed time to time based on the contemporary technology developments in the industry. To ensure this collaboration with the various domain specific industries is maintained to understand the current developments. Following are the various activities and initiatives taken up in association with the industries.

- Curriculum design and development
- Industry driven courses
- Guest lectures
- Real time Industry projects
- Faculty training for capacity building
- Industrial Visits and Internships
- MOUs for academic collaboration

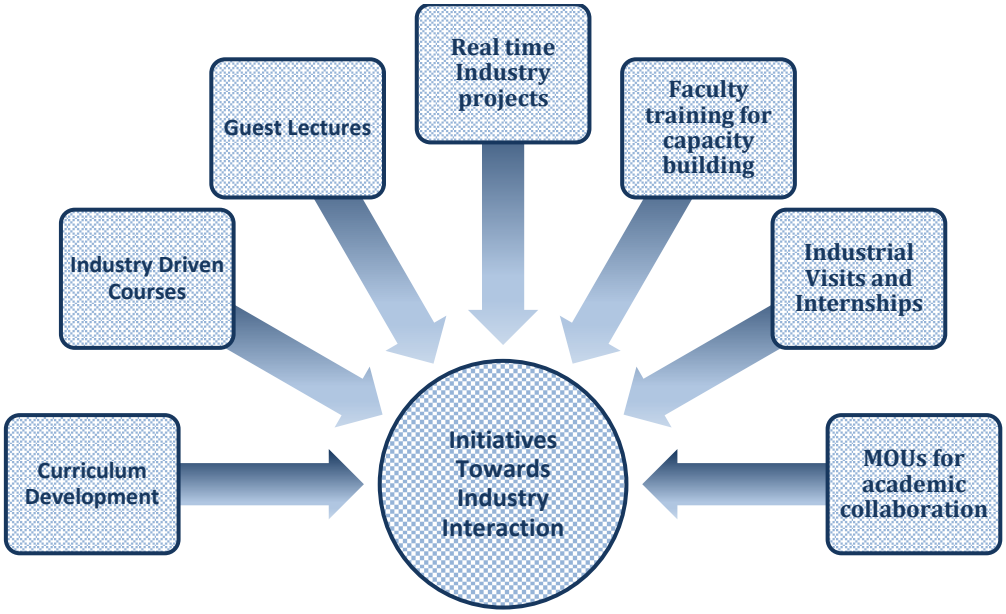


Figure 2.2.4 Initiatives towards Industry Interaction.

Curriculum design and development

The Board of Studies of the program as per UGC norms has Industry nominee contributing to the curriculum design and development aligning with the contemporary technology and industry developments. BoS meeting are conducted with a frequency twice in a year and reviews the curriculum and necessary revisions are suggested for approval and incorporation.

Industry driven Courses.

To reduce gap between the industry and academia Industry driven courses are offered under credited courses and also as add on one credit courses over and above the graduation requirements. In addition to this theory courses laboratory courses with industry sponsorship are offered in blended mode. This initiative enhances the scope for placements with specific industry oriented skill sets.

Guest Lectures

To tap the subject expertise that is available with the industry, Research and Academic Institutions outside the campus series of guest lecture are being organized bringing awareness among the students and faculty about the recent developments in the industry and research.

Guest lectures from the industry SMEs give the practical insights of the engineering concepts learned beyond the curriculum. A minimum two guest lectures are being organized in every semester.

Real time Industry projects.

Students are encouraged to take up industry supported project works during their third and fourth years. Students collects the objective and data from the industry and do the project on campus.

Faculty training for capacity building

Another major implementation of one such initiative is the faculty training for competency enhancement. The members of faculty are regularly motivated and sent to the industries for Internships for the continuous up-gradation of knowledge in the recent trends of engineering and

technology. Further the trained members of such faculty handle the courses that are designed by the industries.

Industrial Visits and Internships

Industrial visits during third year is an on-going initiative since inception of the institution. This enables the students to understand the industrial eco system and physical awareness about the various technologies that are being implemented in the industry. Industrial visit report writing helps the students in improving the presentation skills.

Since 2012, as a best practice under autonomy governance Summer Internship after fourth semester and Full Semester Internships (FSI) during fourth year are introduced. The FSI being a a credited course the process is completely institutionalized. Through these internships, students have provided with opportunities to have hands-on experience and on job training. All the internship operations are taken care by the CDC department.

MOUs with Industries

To enable the students and provide opportunities, to understand in the industrial eco-systems and work on latest technological developments in the industries, MoUs are signed with various industrial organizations. MoUs with the industries gives opportunities in taking up collaborative R&D and consultancy projects, Internships and Add-on courses to enhance the placement opportunities. To introduce the contemporary technological concepts in the curriculum keeping up the pace with industrial growth, SMEs from industry are nominated as BoS members contributing for the curriculum development.

The following are the MoUs signed with the industries:

1. APSSDC and NASSCOM
2. Dassault Systems India Pvt. Ltd.
3. Bharat Sanchar Nigam Ltd., Visakhapatnam
4. gcGEMS and European center for Mechatronics PS GmbH Aachen
5. Wipro Talent Next

With the support from industry, the following laboratories/Courses are introduced:

1. IC and PDC lab is introduced with the help of National Instrumentation in collaboration with EdGate Technologies.

Impact Analysis

1. Industry ready curriculum with contemporary courses

ACY	Number of courses introduced/ revised	Course Titles
2017-18	3	Computer Networks Optical Communications Embedded Systems
2018-19	3	IoT Engineering Applications Fundamentals of GPS Bio Medical Signal Processing
2019-20	4	ARM Processor Architecture and applications ASCII Design Software defined Radio Testing of VLSI Circuits

2020-21	3	Speech Processing Wavelet theory and its applications Adaptive signal processing
2021-22	5	ASIC Verification using system Verilog Embedded System Design and IoT Virtual Instrumentation Cryptography and Network Security Python Programming

2. Industry driven (One & Three credits)

ACY	Number of courses offered	Course Title	Collaborating Industry
2017-18	NIL		
2018-19	2	1. Broadband Communication and Networking	BSNL, Visakhapatnam
		2. Networking and routing protocols for communication	BSNL, Visakhapatnam
2019-20	2	1.Hardware-software Co-design &FPGA board prototyping	1.Applyvolt, Vijayawada
		2. Mobile phone antenna system and IoT	2.Cellcomm Solutions Limited, Bangalore
2020-21	1	Electrical and Electronics Circuit Design and Simulation	Entuple Technologies
2021-22	1	Computer Networking	Alpha Bridge

3. Number of students opting for FSI

ACY	No. of students	Number of Industries	Name of the Industries
2017-18	30	10	1. Electronic Corporation of India Limited, Hyderabad 2. Adept Chips, Bangalore 3. Efftronics System Pvt. Ltd., Vijayawada 4. Andhra Electronics Ltd, Kakinada 5. Think and Learn, Bangalore 6. Go Speedy Go, Bhubaneswar 7. Vivilextech, Visakhapatnam 8. KTech Ventures LLC, Chennai 9. Just Dial, Hyderabad 10. Sha Associates, Visakhapatnam
2018-19	49	18	1. Hexaware, Chennai 2. Hindustan Aeronautics Ltd, Sunabeda 3. Efftronics System Pvt. Ltd., Vijayawada

			4. Magnaquest, Hyderabad 5. Soctronics, Hyderabad 6. Maple, Mumbai 7. National Institute of Amateur Radio, Hyderabad 8. Nellimarla Jute Mills, Vizianagaram 9. Startoon Labs Private Ltd, Hyderabad 10. Raxa, Bengaluru 11. Dhunis Technologies Pvt Ltd, Visakhapatnam 12. Infinite Computers Ltd, Chennai 13. Intellige Web Technologies Pvt Ltd, Visakhapatnam 14. Just Dial, Hyderabad 15. Nineleap, Bengaluru 16. Think & Learn, Hyderabad 17. Topnotch Software Solutions, Visakhapatnam 18. Unistring Tech Solutions Pvt. Ltd, Hyderabad
2019-20	30	8	1. National Institute of Amateur Radio, Hyderabad 2. 3Pillar Global, Noida 3. MY company, Noida 4. Central Tool Room & Training Centre, Bhubaneswar 5. GGK Tech, Hyderabad 6. Topnotch, Hyderabad 7. Ion Technology Solutions, Vijayawada 8. Aptroid Consulting (India) Pvt. Ltd, Hyderabad
2020-21	0	0	-
2021-22	62	9	1. Cerium 2. Cognizant GEN C 3. Gen C Next 4. Ilensys 5. Virtusa NueralHack 6. Soctronics 7. Vistex 8. Wipro 9. GenC Elevate

4. Industries offering pre-placement internships

ACY	No. of pre-placement internships	Number of Industries	Name of the Industries
2017-18	22	7	1. Adept Chips, Bengaluru 2. Efftronics System Pvt. Ltd., Vijayawada 3. Go Speedy Go, Bhubaneswar 4. Just Dial, Hyderabad 5. Ktech Ventures LLC, Chennai 6. Think & Learn, Bengaluru 7. Vivilextech, Visakhapatnam
2018-19	28	9	1. Nineleap, Bengaluru

			2. Maple, Mumbai 3. Hexaware, Chennai 4. Soctronics, Hyderabad 5. Infinite Computers Ltd, Chennai 6. Think & Learn, Hyderabad 7. Maple, Mumbai 8. Magnaquest, Hyderabad 9. Just Dial, Hyderabad
2019-20	5	3	1. Aptroid Consulting (India) Pvt. Ltd, Hyderabad 2. GGK Tech, Hyderabad 3. 3Pillar Global, Noida
2020-21	0	0	0
2021-22	73	8	1. Nineleap, Bengaluru 2. Cognizant(Gen'C' Next) 3. Cognizant(Gen'C') 4. Value Labes 5. Cognizant GEN C Elevator 6. Riktam Technologies 7. Datafoundry 8. Vistex

5. Enhanced placement offers

ACY	No. of offers	Percentage	Details
2017-18	115/198	50.08	Web-Link: http://115.241.205.4/gmritnew/nba/ECE_Placements.pdf (http://115.241.205.4/gmritnew/nba/ECE_Placements.pdf)
2018-19	128/197	64.97	
2019-20	142/194	73.19	
2020-21	149/198	75.25	
2021-22	154/188	81.91	

6. Number of MoUs signed

ACY	No. of MoUS	No. of industries	Details
2017-18	1	1	Link: http://115.241.205.4/gmritnew/nba/ECE_MoUs_Signed.pdf (http://115.241.205.4/gmritnew/nba/ECE_MoUs_Signed.pdf)
2018-19	4	4	
2019-20	0	0	
2020-21	0	0	
2021-22	2	2	

2.2.5. Initiatives related to Industry Internship/Summer Training (10)

Since 2012, as a best practice under autonomy governance Summer Internship after fourth semester and Full Semester Internships (FSI) during fourth year are introduced.

The summer internship after fourth semester of four weeks' duration being a mandatory audit course for all the students, the allotment process of the students for summer internship is institutionalized. The internship department explores and build the tie-ups with the companies across the country and provide the summer internships nearly thousand students every year across the campus. At the end of the summer internship, all the students submit internship report which are duly assessed by the industry and academia experts.

To create an opportunity for the students, understand the various industry working environment and work culture, industrial tours are organized during their 3rd to 6th semesters of their study.

The FSI being a credited course the process is completely institutionalized. Through these internships, students have provided with opportunities to have hands-on experience and on job training. All the internship operations are taken care by the CDC department.

Following Standard Operating Procedure, a dedicated internship team of faculty members explores and provide FSI to the students opted in the various industries and research organizations across the country. The following is the procedure for allocating the students for FSI during their 7th/8th Semesters.

a) Registration of the students opting for FSI at the end of the 6th semester.
b) Selection process by industry/CDC team based on the competency mapping
c) Allotment of the internships in 7th and 8th Semesters
d) Continuous assessment of the students for every four weeks
e) Documentation and presentation of the report at the end of 16 weeks
f) End semester assessment with industry and academic experts

Feedback on Industry initiatives

After the completion of both the summer and Full Semester Internships, feedback is invited from the students for continuous improvement apart from the course end feedbacks that are collected after every industrial training program.

A standard rubric for collecting the feedback after summer and full semester internship, training programs and industry driven elective courses has been developed and deployed to ensure the attainment of the COs.

Impact analysis

A. Industrial tours

ACY	No. of Students	No. of Tours	Details
2017-18	41	1	Efftronics System Pvt. Ltd, Vijayawada
2018-19	0	0	
2019-20	0	0	
2020-21	0	0	
2021-22	51	1	NSTL Visakapatnam

B. Summer internships

ACY	No. of Students	No. of Industries	Industry Details
2017-18	201	18	Web-Link: http://115.241.205.4/gmritnew/nba/ECE_Summer_Internship.pdf (http://115.241.205.4/gmritnew/nba/ECE_Summer_Internship.pdf)
2018-19	194	09	
2019-20	187	01	
2020-21	202	02	
2021-22	204	01	

C. Full Semester Internships

ACY	No. of Students	No. of pre-placement offers	No. of Industries
2017-18	30	22	10
2018-19	49	28	18
2019-20	30	5	8
2020-21	0	0	0
2021-22	62	73	9

D. Training on new-age/Contemporary technologies

ACY	No. of Courses	No. of Industries/Organizations
2017-18	2	2
2018-19	4	3
2019-20	4	4
2020-21	1	1
2021-22	1	1

CRITERIA 3

COURSE OUTCOMES AND PROGRAM OUTCOMES

Define the Program specific outcomes

PSO1	Apply the knowledge of technological evolutions, model/character the devices and design the integrated has to build analog and digital systems
PSO2	Understand and apply the fundamentals of communication and signal processing to develop systems wrapped with industry standard protocols and standards

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

Total Marks: 25.00
Institute Marks: 25.00

2017-21

No. of Core Courses : 6	**C2 :** 2	**C3 :** 2	**C4 :** 2

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

Course Name :	**C2 01**	**Course Year :**	**2018-19**

Course Name	Statements
C2 01.1	Illustrate the conversion of a number from one number system to another
C2 01.2	Identify Boolean algebra and K-map as a tool to simplify and design logic circuits
C2 01.3	Implement combinational circuits using gates
C2 01.4	Design PLDs and Flip-flops
C2 01.5	Implement various types of counters and shift registers
C2 01.6	Attribute innovative designs by modifying the traditional design techniques

Course Name :	**C2 02**	**Course Year :**	**2018-19**

Course Name	Statements
C2 02.1	Design of linear wave shaping circuits for different applications
C2 02.2	Construct nonlinear wave shaping circuits to remove undesired portion of input signal
C2 02.3	Construct nonlinear circuits to clamp the input signal to desired level
C2 02.4	Differentiate multivibrators for different applications
C2 02.5	Design of Time base generators for different applications
C2 02.6	Design of pulse generation circuits and sampling gates

Course Name :	C3 01	Course Year :	2019-20

Course Name	Statements
C3 01.1	Explain the concepts of radiation for an antenna
C3 01.2	Explain the properties and parameters of an antenna
C3 01.3	Implement antenna arrays
C3 01.4	Design an antenna system for given specifications
C3 01.5	Differentiate various modes of Helical and Horn antennas
C3 01.6	Illustrate the mechanism of the atmospheric effects on radio wave propagation

Course Name :	C3 02	Course Year :	2019-20

Course Name	Statements
C3 02.1	Explain the concept of microprocessor and Memory organization
C3 02.2	Implement basic assembly language programming with 8086 microprocessor
C3 02.3	Execute interfacing concepts through programming for I/O Devices
C3 02.4	Differentiate the peripheral interfacing chips for 8086microprocessor
C3 02.5	Explain the concept of microcontroller and its addressing modes
C3 02.6	Implement assembly level programming and interfacing with 8051 microcontroller

Course Name :	C4 01	Course Year :	2020-21

Course Name	Statements
C4 01.1	Interpret fundamental concepts of digital image processing
C4 01.2	Infer image transforms
C4 01.3	Exemplify image enhancement and color image processing
C4 01.4	Assess image restoration techniques
C4 01.5	Summarize line, point, threshold and region based segmentation for digital images
C4 01.6	Attribute various compression models and compression techniques for digital images

Course Name :	C4 02	Course Year :	2020-21

Course Name	Statements
C4 02.1	Exemplify wired and wireless networks for real time applications
C4 02.2	Summarize sensor network architectures for various application
C4 02.3	Interpret various operations in sensor node and transceiver design
C4 02.4	Classify suitable medium access protocols, routing protocols, security protocols and radio hardware
C4 02.5	Implement Prototype sensor networks using commercial components
C4 02.6	Differentiate various infrastructure management and sensor network platform tools

Course Articulation Matrix

1. Course name: C201

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C201.1	Illustrate the conversion of a number from one number system to another	2	1	-	-	-	-	-	-	-	-	-	-
C201.2	Identify Boolean algebra and K-map as a tool to simplify and design logic circuits	2	1	-	-	-	-	-	-	-	-	-	-
C201.3	Implement combinational circuits using gates	3	2	-	-	-	-	-	-	-	-	-	-
C201.4	Design PLDs and Flip-flops	3	2	-	-	-	-	-	-	-	-	-	-
C201.5	Implement various types of counters and shift registers	3	2	-	-	-	-	-	-	-	-	-	-
C201.6	Attribute innovative designs by modifying the traditional design techniques	3	2	-	-	-	-	-	-	-	-	-	-
Average		**3**	**2**	-	-	-	-	-	-	-	-	-	-

2. Course name : C202

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C202.1	Design of linear wave shaping circuits for different applications	3	2	-	2	3	-	-	-	-	-	-	-
C202.2	Construct nonlinear wave shaping circuits to remove undesired portion of input signal	3	2	-	2	3	-	-	-	-	-	-	-
C202.3	Construct nonlinear circuits to clamp the input signal to desired level	3	2	-	2	3	-	-	-	-	-	-	-
C202.4	Differentiate multivibrators for different applications	3	2	-	2	3	-	-	-	-	-	-	-
C202.5	Design of Time base generators for different applications	3	2	-	2	3	-	-	-	-	-	-	-
C202.6	Design of pulse generation circuits and sampling gates	3	-	-	2	3	-	-	-	-	-	-	-
Average		**3**	**2**	**-**	**2**	**3**		**-**	**-**	**-**	**-**	**-**	**-**

3. Course name : C301

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C301.1	Explain the concepts of radiation for an antenna	2	-	-	-	-	-	-	-	-	-	-	-
C301.2	Explain the properties and parameters of an antenna	2	-	-	-	-	-	-	-	-	-	-	-
C301.3	Implement antenna arrays	3	2	-	-	-	-	-	-	-	-	-	-
C301.4	Design an antenna system for given specifications	3	3	-	-	-	-	-	-	-	-	-	-
C301.5	Differentiate various modes of Helical and Horn antennas	3	2	-	-	-	-	-	-	-	-	-	-
C301.6	Illustrate the mechanism of the atmospheric effects on radio wave propagation	2	-	-	-	-	-	-	-	-	-	-	-
Average		**3**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

4. Course name : C302

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C302.1	Explain the concept of microprocessor and Memory organization	2	2	-	-	-	-	-	-	-	-	-	-
C302.2	Implement basic assembly language programming with 8086 microprocessor	2	2	1	2	3	-	-	-	-	-	-	-
C302.3	Execute interfacing concepts through programming for I/O Devices	2	2	2	2	3	-	-	-	-	-	-	-
C302.4	Differentiate the peripheral interfacing chips for 8086microprocessor	2	2	-	-	-	-	-	-	-	-	-	-
C302.5	Explain the concept of microcontroller and its addressing modes	2	2	-	-	2	-	-	-	-	-	-	-
C302.6	Implement assembly level programming and interfacing with 8051 microcontroller	3	3	2	3	3	-	-	-	-	-	-	-
Average		**3**	**3**	**1**	**2**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

5. Course name : C401

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C401.1	Interpret fundamental concepts of digital image processing	2	-	-	-	-	-	-	-	-	-	-	-
C401.2	Infer image transforms	2	-	-	-	-	-	-	-	-	-	-	-
C401.3	Exemplify image enhancement and color image processing	2	-	-	-	-	-	-	-	-	-	-	-
C401.4	Assess image restoration techniques	3	2	-	-	-	-	-	-	-	-	-	-
C401.5	Summarize line, point, threshold and region based segmentation for digital images	2	-	-	-	-	-	-	-	-	-	-	-
C401.6	6. Attribute various compression models and compression techniques for digital images	3	2	-	-	-	-	-	-	-	-	-	-
Average		**3**	**2**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

6. Course name : C402

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C402.1	Exemplify wired and wireless networks for real time applications	2	-	-	-	-	-	-	-	-	-	-	-
C402.2	Summarize sensor network architectures for various application	2	-	-	-	-	-	-	-	-	-	-	-
C402.3	Interpret various operations in sensor node and transceiver design	2	1	-	-	-	-	-	-	-	-	-	-
C402.4	Classify suitable medium access protocols, routing protocols, security protocols and radio hardware	3	2	-	-	-	-	-	-	-	-	-	-
C402.5	Implement Prototype sensor networks using commercial components	3	2	-	-	-	-	-	-	-	-	-	-
C402.6	Differentiate various infrastructure management and sensor network platform tools	3	2	-	-	-	-	-	-	-	-	-	-
Average		**3**	**2**		-	-	-	-	-	-	-	-	-

1. Course name : C201

Course	PS01	PSO2
C201.1	1	-
C201.2	1	-
C201.3	2	-
C201.4	2	-
C201.5	2	-
C201.6	3	-
Average	2	-

2. Course name : C202

Course	PS01	PSO2
C202.1	3	-
C202.2	3	-
C202.3	3	-
C202.4	3	-
C202.5	3	-
C202.6	3	-
Average	3	**-**

3. Course name : C301

Course	PS01	PSO2
C301.1	-	2
C301.2	-	2
C301.3	-	3
C301.4	-	3
C301.5	-	3
C301.6	-	2
Average	**-**	3

4. Course name : C302

Course	PS01	PSO2
C302.1	2	-
C302.2	2	-
C302.3	2	-
C302.4	2	-
C302.5	2	-
C302.6	3	-
Average	3	**-**

5. Course name : C401

Course	PS01	PSO2
C401.1	-	2
C401.2	-	2
C401.3	-	2
C401	-	3
C401.5	-	2
C401.6	-	3
Average	**-**	3

6. Course name : C402

Course	PS01	PSO2
C402.1	-	2
C402.2	1	2
C402.3	2	2
C402.4	-	-
C402.5	3	2
C402.6	1	1
Average	2	2

Program Articulation Matrix

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16HSX01	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16MAX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16PYX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX01	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CSX01	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16PYX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CSX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	3	3	PO11	PO12
16HSX03	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16MAX02	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CYX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EEX01	3	PO2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CHX01	3	PO2	3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	PO12
16HSX02	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16CYX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX03	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	2	PO11	3

16MA304	3	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC302	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC303	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC304	3	2	PO3	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC305	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC306	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC307	3	3	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC308	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC309	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16HSX05	PO1	PO2	PO3	PO4	PO5	3	2	PO8	3	3	PO11	PO12
16ESX1A	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EE410	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16IT306	2	3	3	PO4	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC403	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC404	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC405	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC406	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16IT309	PO1	3	3	3	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC408	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC409	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16ESX1B	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EC501	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC502	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC503	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC504	3	2	2	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC505	3	2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC001	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC507	3	3	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC508	2	PO2	PO3	2	PO5	PO6	PO7	PO8	PO9	3	PO11	3
16HSX06	PO1	PO2	PO3	PO4	PO5	3	2	PO8	3	3	PO11	PO12
Summer Internship	3	2	PO3	PO4	PO5	PO6	PO7	3	PO9	3	PO11	3
16ESX2A	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EC601	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC602	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC603	3	3	2	3	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC604	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CS304	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC004	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC607	3	2	2	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC509	3	3	3	2	3	3	2	3	3	PO10	2	2
16AT003	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	3
16ESX2B	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16HSX04	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	3	PO12

16EC005	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC009	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC006	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC011	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC703	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC704	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC801	PO1	PO2	PO3	PO4	PO5	3	2	3	PO9	PO10	PO11	PO12
16EC802	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC016	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC804	3	3	3	2	3	3	2	3	3	3	2	2

Course	PSO1	PSO2
16MA304	PSO1	3
16EC302	2	PSO2
16EC303	3	PSO2
16EC304	3	PSO2
16EC305	PSO1	3
16EC306	PSO1	3
16EC307	3	PSO2
16EC308	3	PSO2
16EC309	PSO1	3
16EE410	3	3
16EC403	PSO1	3
16EC404	PSO1	3
16EC405	3	PSO2
16EC406	3	PSO2
16IT309	PSO1	PSO2
16EC408	PSO1	3
16EC409	3	PSO2
16EC501	PSO1	3
16EC502	PSO1	3
16EC503	3	PSO2
16EC504	3	PSO2
16EC505	3	PSO2
16EC001	3	PSO2
16EC507	PSO1	3
16EC601	PSO1	3
16EC602	PSO1	3
16EC603	3	PSO2
16EC604	PSO1	3
16EC004	PSO1	3
16EC607	3	PSO2
16EC509	3	3
16EC005	PSO1	3

16EC009	PSO1	3
16EC006	PSO1	3
16EC011	3	PSO2
16EC703	PSO1	3
16EC704	PSO1	3
16EC802	2	2
16EC016	PSO1	3
16EC804	3	3

3.2. Attainment of Course Outcomes (75) Total Marks: 75.00
Institute Marks: 10

For evaluating the course outcomes and their attainments, only direct assessment tools are used based on the student performance in the continuous and semester end assessments. Continuous assessment is done thrice in a semester with 40% weightage and semester-end assessment with 60% weightage.

Assessment Process:

The CO attainment is calculated based on the percentage of the students crossing the class average marks and the assessment pattern for the various courses are shown below. The data related to the marks secured in each of the courses is maintained by the course coordinator and the CO attainments are calculated at the end of every semester to compare with the TPL set.

Assessment pattern for Theory Course:

Table: 3.2.2.1

Sl. No.	Assessment Tool	Weightage (%)	Frequency	Stakeholder	Responsibility	Assessment Process
1	Sessional exams	40	Thrice in a semester	Student	Course Coordinator	Mid-1 measure CO1, CO2 & CO3. Mid-2 measure CO4, CO5 & CO6. Assignment Test measure CO1 to CO6.
2	End Semester Exams	60	Once in a semester	Student		End Semester Exam measure CO1 to CO6.

Assessment pattern for Laboratory/ Mini Project Course:

Table: 3.2.1.2

S. No.	Assessment Tool	Weightage	Frequency	Stakeholder	Responsibility	Assessment Process
1	Continuous Assessment through Laboratory experiments /Reviews	33.33%	Weekly	Student	Course Coordinator	All CO attainments are calculated based on the laboratory experiments' mapping/Project objectives
2	External Lab Examination	66.66%	Once in a Semester			

Assessment pattern for Term paper:

Table: 3.2.1.3

S. No.	Assessment Tool	Weightage	Frequency	Stakeholder	Responsibility	Assessment Process
1	Continuous Assessment through Reviews	100%	Monthly	Student	Project Supervisor	CO attainment is calculated based on the rubric mapping with the objectives

Assessment pattern for Full Semester Internship& Project Work:

Table: 3.2.1.4

S. No.	Assessment Tool	Weightage	Frequency	Stakeholder	Responsibility	Assessment Process
1	Continuous Assessment through Reviews	50%	Monthly	Student	Project Supervisor	CO attainment is calculated based on the rubric mapping with the objectives
2	End semester Viva-Voce exam	50%	Once in a semester			

3.2.2. Record the attainment of Course Outcomes of all courses with respect to set attainment levels (65)

Institute Marks: 65.00

Setting-up of the average target performance level for the course outcomes:

CO attainment of all the representative courses contributing to the various POs and PSOs is calculated using the direct measuring tools based on the performance in the continuous assessment and end semester assessment with a weightage of 40% and 60% respectively.

The attainment of COs is reviewed every semester in comparison with target performance levels (TPL) set. In case of any deviation in the attainment levels observed, a detailed analysis is done by the respective course coordinators to identify the root cause which could be due to the impact of teaching methodology, Students understanding level, and Toughness index of the question paper etc. Based on the level of attainment and the representative courses influencing the attainment, additional initiatives related to pedagogy are introduced catering to both bright students & slow learners for continuous improvement. The TPL is calculated based on the average attainment of the COs for the last three years. After the calculation of CO attainment in continuous assessment and semester end assessment independently, the overall CO attainment is calculated with 40% and 60% weightages respectively.

Measuring Course Outcomes Attained through Semester End Examinations (SEE)

The pattern of the semester-end question paper is set in such a way that all the COs are measured appropriately in line with the curriculum. The attainment of each CO of the course is calculated based on the percentage of the students scoring more than the class average marks secured in the contributing questions. To calculate the CO attainments for each of the courses, an appropriate rubric is developed mapping the marks secured in each of the questions that are contributing to COs. The overall CO attainment is the weighted average calculated based on the questions contributing to COs.

Measuring CO Attainment through Cumulative Internal Examinations (CIE)

The continuous during the semester is done by conducting three assessment tests. Two tests are conducted for every eight weeks and the third assessment is the comprehensive test. The pattern of the continuous assessment question paper is set in such a way that all the COs are measured appropriately in line with the syllabus covered. The attainment of each CO of the course is calculated based on the percentage of the students scoring more than the class average marks secured in the contributing questions. To calculate the CO attainments for each of the courses, an appropriate rubric is developed mapping the marks secured in each of the questions that are contributing to COs. The overall CO attainment is the weighted average calculated based on the questions contributing to COs. Procedure for gathering the data and CO attainment calculation is depicted in the flowchart shown below.

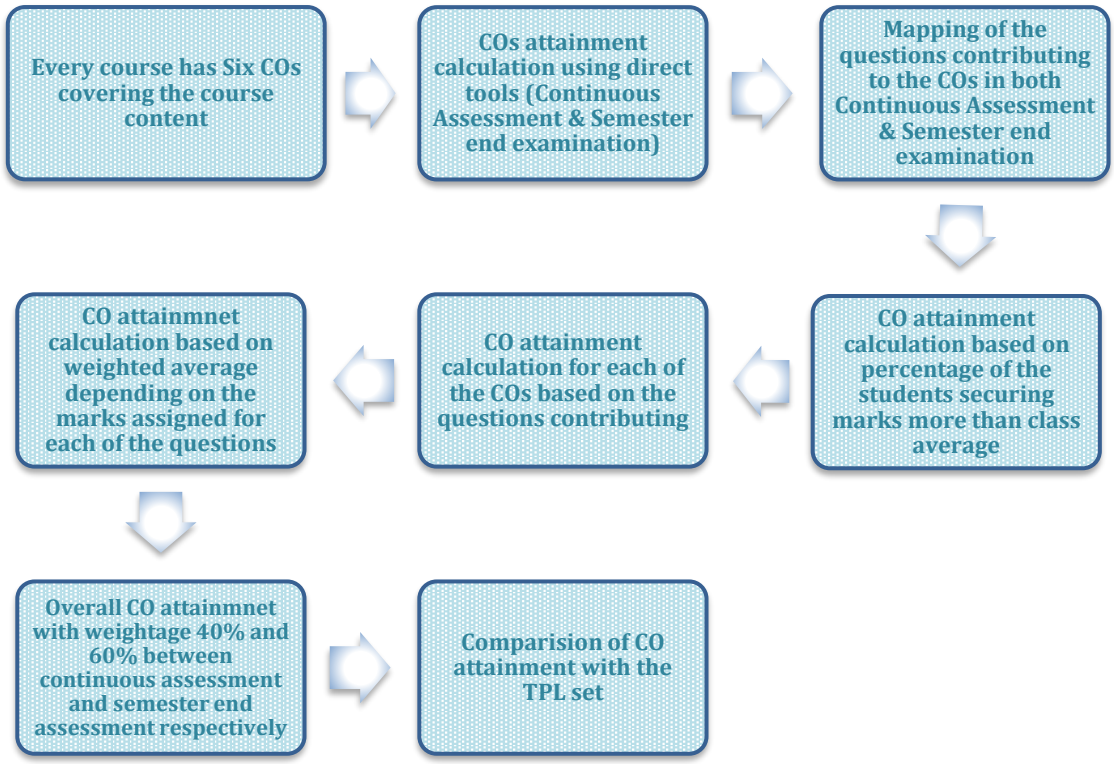


Figure 3.2.2.1 Process flow diagram for CO attainment calculation

Calculation of Overall CO Attainment:

After the calculation of CO attainment in continuous assessment and semester end assessment independently, the overall CO attainment is calculated with 40% and 60% weightages respectively.

3.3. Attainment of Program Outcomes and Program Specific Outcomes (75)

Total Marks: 75.00
Institute Marks: 10.00

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

For evaluating the POs and PSOs and their attainments, direct assessment tools and indirect assessment tools are used with a weightage of 85% and 15% respectively. The direct tools include continuous assessment and semester end assessment whereas the surveys from Alumni, Employer and Program exit surveys are taken as indirect tools.

Direct Tools:

1. Continuous Assessment
2. Semester end assessment

Indirect Tools:

1. Alumni Survey
2. Employer Survey
3. Student Exit survey

PO and PSO assessment:

Program articulation matrix is developed by mapping all the representative courses with respect to POs and PSOs. Mapping of the overall CO of the particular course with POs & PSOs is done at three levels 1, 2, 3 indicating the courses contribution at lower level moderate level and substantial level respectively. Further each PO attainment is calculated based on the weighted average of the levels of CO contribution and number of courses contributing. Alumni, Employer and Student surveys (Program Exit Survey) are taken as indirect tools for the measurement of POs and PSOs having 5% weightage each.

POs, PSOs Attainment (Direct Tools):

POs, PSOs Attainment (Indirect Tools):

1. Alumni Survey:

The curriculum has been designed to ensure the PO and PSO attainment over the four-year duration of the program. Alumni feedback is solicited in the context of alignment of curriculum with the POs & PSOs for continuous improvement on a 5 point scale indicating alignment of curriculum with POs & PSOs.

2. Employer survey:

The curriculum has been designed to ensure the PO and PSO attainment over the four-year duration of the program. Employer feedback is solicited in the context of alignment of curriculum with the POs & PSOs for continuous improvement on a 5-point scale indicating alignment of curriculum with POs & PSOs.

3. Student (Program exit) Survey:

The curriculum has been designed to ensure the PO and PSO attainment over the four-year duration of the program. Feedback from the Outgoing Students is solicited in the context of alignment of curriculum with the POs & PSOs for continuous improvement on a 5 point scale indicating alignment of curriculum with POs & PSOs.

Overall PO-PSO attainment:

After evaluating the POs and PSOs using direct and indirect tools the overall attainment is calculated with 85% and 15% weightages respectively. For evaluating the POs and PSOs and their attainments, direct assessment tools and indirect assessment tools are used with a weightage of 85% and 15% respectively. The direct tools include continuous assessment and semester end assessment whereas the surveys from Alumni, Employer and Program exit surveys are taken as indirect tools.

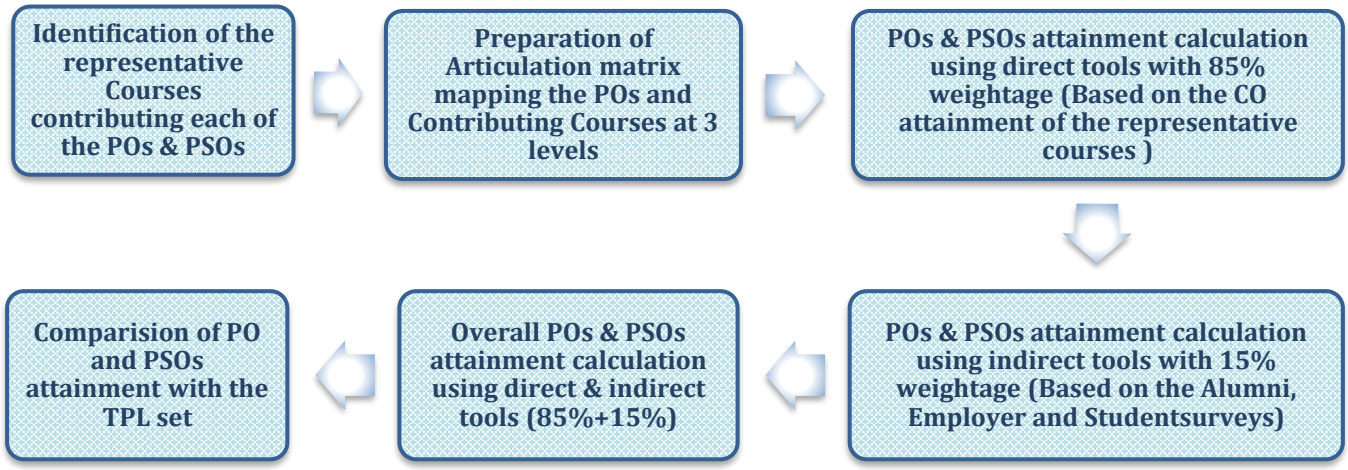


Figure 3.3.4. Process flow for POs attainment calculation

3.3.2 Provide results of evaluation of each PO and PSO (65)

Institute marks: 65.00

PO Attainment (2016-20 batch)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16HSX01	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	2	PO11	PO12
16MAX01	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16PYX01	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX01	2	2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CSX01	2	2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16PYX02	PO1	PO2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CSX02	PO1	PO2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX02	PO1	PO2	PO3	2	PO5	PO6	PO7	PO8	3	3	PO11	PO12
16HSX03	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16MAX02	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CYX01	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EEX01	2	PO2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CHX01	3	PO2	3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	PO12
16HSX02	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	2	PO11	PO12
16CYX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX03	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	1	PO11	2
16MA304	2	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC302	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC303	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC304	2	2	PO3	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC305	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC306	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC307	3	3	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC308	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC309	2	2	PO3	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12

16HSX05	PO1	PO2	PO3	PO4	PO5	3	2	PO8	3	3	PO11	PO12
16ESX1A	3	PO2	PO3	PO4	PO5	3	PO7	3	PO9	3	PO11	3
16EE410	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16IT306	2	2	2	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC403	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC404	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC405	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC406	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16IT309	PO1	2	2	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC408	2	2	PO3	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC409	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16ESX1B	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EC501	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC502	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC503	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC504	2	2	2	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC505	3	2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC001	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC507	2	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC508	2	PO2	PO3	2	PO5	PO6	PO7	PO8	PO9	3	PO11	3
16HSX06	PO1	PO2	PO3	PO4	PO5	3	2	PO8	3	3	PO11	PO12
Summer Internship	3	2	PO3	PO4	PO5	PO6	PO7	3	PO9	3	PO11	3
16ESX2A	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	3
16EC601	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC602	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC603	2	2	2	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC604	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CS304	2	2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC004	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC607	2	2	2	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC509	3	3	3	2	3	3	2	3	3	3	2	2
16AT003	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	3
16ESX2B	3	PO2	PO3	PO4	PO5	3	PO7	3	PO9	3	PO11	3
16HSX04	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	2	PO12
16EC005	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC009	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC006	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC011	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC703	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC704	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC801	PO1	PO2	PO3	PO4	PO5	3	2	3	PO9	PO10	PO11	PO12
16EC802	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC014	2	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

16EC016	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC804	2	2	2	2	2	2	2	2	2	2	2	2
16EC706	2	2	PO3	PO4	2	PO6	PO7	2	2	2	PO11	PO12

PO Attainment Indirect

Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Employer Survey	2.13	2.45	2.12	2.15	2.14	2.13	2.45	2.65	2.12	2.34	2.22	2.56
Alumni Survey	2.17	2.15	2.76	2.15	2.67	2.15	2.19	2.45	2.34	2.13	2.32	2.43
Exit survey	2.33	2.27	2.26	2.26	2.34	2.36	2.40	2.40	2.45	2.29	2.38	2.37

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.40	2.06	2.15	2.05	2.25	2.90	2.17	2.56	2.50	2.56	2.00	2.70
Indirect Attainment	2.24	2.25	2.48	2.32	2.52	2.13	2.36	2.62	2.34	2.35	2.44	2.55

PSO Attainment

Course	PSO1	PSO2
16MA304	PSO1	2
16EC302	2	PSO2
16EC303	3	PSO2
16EC304	2	PSO2
16EC305	PSO1	2
16EC306	PSO1	2
16EC307	3	PSO2
16EC308	3	PSO2
16EC309	PSO1	2
16EE410	2	2
16EC403	PSO1	2
16EC404	PSO1	2
16EC405	2	PSO2
16EC406	3	PSO2
16EC408	PSO1	2
16EC409	3	PSO2
16EC501	PSO1	3
16EC502	PSO1	3
16EC503	2	PSO2
16EC504	2	PSO2
16EC505	3	PSO2
16EC001	2	PSO2

16EC507	PSO1	2
16EC601	PSO1	3
16EC602	PSO1	2
16EC603	2	PSO2
16EC604	PSO1	3
16EC004	PSO1	3
16EC607	2	PSO2
16EC509	3	3
16EC005	PSO1	3
16EC009	PSO1	3
16EC006	PSO1	3
16EC011	3	PSO2
16EC703	PSO1	3
16EC704	PSO1	3
16EC802	2	2
16EC014	PSO1	2
16EC016	PSO1	3
16EC804	2	2
16EC706	2	2

PSO Attainment Indirect

Survey	PSO1	PSO2
Exit survey	3	3
Alumni Survey	3	3
Employer Survey	3	3

PSO Attainment Level

Course	PSO1	PSO2
Direct Attainment	2.40	2.46
Indirect Attainment	3	3

PO Attainment (2017-21 batch)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16HSX01	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16MAX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16PYX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX01	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CSX01	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16PYX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CSX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	3	3	PO11	PO12
16HSX03	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16MAX02	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

16CYX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EEX01	3	PO2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CHX01	3	PO2	3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	PO12
16HSX02	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16CYX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX03	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	2	PO11	3
16MA304	3	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC302	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC303	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC304	3	2	PO3	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC305	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC306	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC307	3	3	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC308	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC309	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16HSX05	PO1	PO2	PO3	PO4	PO5	3	2	PO8	3	3	PO11	PO12
16ESX1A	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EE410	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16IT306	2	3	3	PO4	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC403	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC404	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC405	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC406	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16IT309	PO1	3	3	3	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC408	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC409	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16ESX1B	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EC501	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC502	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC503	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC504	3	2	2	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC505	3	2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC001	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC507	3	3	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC508	2	PO2	PO3	2	PO5	PO6	PO7	PO8	PO9	3	PO11	3
16HSX06	PO1	PO2	PO3	PO4	PO5	3	2	PO8	3	3	PO11	PO12
Summer Internship	3	2	PO3	PO4	PO5	PO6	PO7	3	PO9	3	PO11	3
16ESX2A	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EC601	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC602	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC603	3	3	2	3	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC604	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CS304	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC004	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

16EC607	3	2	2	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC509	3	3	3	2	3	3	2	3	3	PO10	2	2
16AT003	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	3
16ESX2B	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16HSX04	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	3	PO12
16EC005	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC009	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC006	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC011	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC703	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC704	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC801	PO1	PO2	PO3	PO4	PO5	3	2	3	PO9	PO10	PO11	PO12
16EC802	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC016	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC804	3	3	3	2	3	3	2	3	3	3	2	2

PO Attainment Indirect

Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Alumni Survey	2.97	2.98	2.85	2.77	2.75	2.80	2.84	2.87	2.85	2.78	2.79	2.81
Employer Survey	2.15	2.13	2.24	2.34	2.56	2.14	2.15	2.13	2.24	2.34	2.56	2.14
Program Exit survey	2.63	2.54	2.5	2.43	2.48	2.62	2.68	2.65	2.68	2.64	2.58	2.59

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.34	2.06	2.15	2.15	2.27	2.90	2.40	2.38	2.80	2.73	2.50	2.44
Indirect Attainment	2.58	2.55	2.53	2.51	2.60	2.52	2.56	2.55	2.59	2.59	2.64	2.51

PSO Attainment

Course	PSO1	PSO2
16MA304	PSO1	3
16EC302	2	PSO2
16EC303	3	PSO2
16EC304	3	PSO2
16EC305	PSO1	3
16EC306	PSO1	3
16EC307	3	PSO2
16EC308	3	PSO2
16EC309	PSO1	3

16EE410	3	3
16EC403	PSO1	3
16EC404	PSO1	3
16EC405	3	PSO2
16EC406	3	PSO2
16IT309	PSO1	PSO2
16EC408	PSO1	3
16EC409	3	PSO2
16EC501	PSO1	3
16EC502	PSO1	3
16EC503	3	PSO2
16EC504	3	PSO2
16EC505	3	PSO2
16EC001	3	PSO2
16EC507	PSO1	3
16EC601	PSO1	3
16EC602	PSO1	3
16EC603	3	PSO2
16EC604	PSO1	3
16EC004	PSO1	3
16EC607	3	PSO2
16EC509	3	3
16EC005	PSO1	3
16EC009	PSO1	3
16EC006	PSO1	3
16EC011	3	PSO2
16EC703	PSO1	3
16EC704	PSO1	3
16EC802	2	2
16EC016	PSO1	3
16EC804	3	3

PSO Attainment Indirect

Survey	**PSO1**	**PSO2**
Alumni Survey	2.83	2.83
Employer Survey	2.54	2.56
Program Exit survey	2.48	2.51

PSO Attainment Level

Course	**PSO1**	**PSO2**
Direct Attainment	2.53	2.42
Indirect Attainment	2.62	2.63

PO Attainment (2018-22 batch)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16HSX01	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16MAX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16PYX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX01	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CSX01	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16PYX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CSX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	3	3	PO11	PO12
16HSX03	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16MAX02	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CYX01	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EEX01	3	PO2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CHX01	3	PO2	3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	PO12
16HSX02	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	PO12
16CYX02	PO1	PO2	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16MEX03	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	2	PO11	3
16MA304	3	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC302	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC303	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC304	3	2	PO3	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC305	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC306	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC307	3	3	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC308	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC309	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16HSX05	PO1	PO2	PO3	PO4	PO5	3	2	PO8	3	3	PO11	PO12
16ESX1A	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EE410	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16IT306	2	3	3	PO4	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC403	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC404	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC405	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC406	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16IT309	PO1	3	3	3	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC408	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC409	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16ESX1B	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EC501	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC502	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC503	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC504	3	2	2	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC505	3	2	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

16EC001	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC507	3	3	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC508	2	PO2	PO3	2	PO5	PO6	PO7	PO8	PO9	3	PO11	3
16HSX06	PO1	PO2	PO3	PO4	PO5	3	2	PO8	3	3	PO11	PO12
Summer Internship	3	2	PO3	PO4	PO5	PO6	PO7	3	PO9	3	PO11	3
16ESX2A	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16EC601	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC602	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC603	3	3	2	3	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC604	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16CS304	3	3	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC004	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC607	3	2	2	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC509	3	3	3	2	3	3	2	3	3	PO10	2	2
16AT003	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	3
16ESX2B	2	PO2	PO3	PO4	PO5	3	PO7	2	PO9	3	PO11	2
16HSX04	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	3	PO12
16EC005	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC009	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC011	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC703	3	2	PO3	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC704	3	2	PO3	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC801	PO1	PO2	PO3	PO4	PO5	3	2	3	PO9	PO10	PO11	PO12
16EC802	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC015	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC016	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
16EC804	3	3	3	2	3	3	2	3	3	3	2	2
16EC706	3	3	3	2	3	3	2	3	3	3	2	2

PO Attainment Indirect

Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Exit survey	2.65	2.61	2.55	2.48	2.48	2.65	2.68	2.68	2.68	2.62	2.64	2.69
Alumni Survey	2.97	2.98	2.88	2.81	2.85	2.80	2.84	2.87	2.85	2.81	2.81	2.81
Employer Survey	2.29	2.15	2.28	2.40	2.56	2.24	2.25	2.21	2.24	2.44	2.56	2.24

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.33	2.06	2.15	2.15	2.27	2.90	2.40	2.38	2.80	2.73	2.50	2.44
Indirect Attainment	2.64	2.58	2.57	2.56	2.63	2.56	2.59	2.59	2.59	2.62	2.67	2.58

PSO Attainment

Course	PSO1	PSO2
16MA304	PSO1	3
16EC302	2	PSO2
16EC303	3	PSO2
16EC304	3	PSO2
16EC305	PSO1	3
16EC306	PSO1	3
16EC307	3	PSO2
16EC308	3	PSO2
16EC309	PSO1	3
16EE410	3	3
16EC403	PSO1	3
16EC404	PSO1	3
16EC405	3	PSO2
16EC406	3	PSO2
16IT309	PSO1	PSO2
16EC408	PSO1	3
16EC409	3	PSO2
16EC501	PSO1	3
16EC502	PSO1	3
16EC503	3	PSO2
16EC504	3	PSO2
16EC505	3	PSO2
16EC001	3	PSO2
16EC507	PSO1	3
16EC601	PSO1	3
16EC602	PSO1	3
16EC603	3	PSO2
16EC604	PSO1	3
16EC004	PSO1	3
16EC607	3	PSO2
16EC509	3	3
16EC005	PSO1	3
16EC009	PSO1	3
16EC011	3	PSO2
16EC703	PSO1	3
16EC704	PSO1	3
16EC802	2	2
16EC015	2	2
16EC016	PSO1	3
16EC804	3	3
16EC706	3	3

PSO Attainment Indirect

Survey	PSO1	PSO2
Exit survey	2.48	2.51
Alumni Survey	2.83	2.83
Employer Survey	2.54	2.56

PSO Attainment Level

Course	PSO1	PSO2
Direct Attainment	2.53	2.39
Indirect Attainment	2.62	2.63

CRITERIA 4

4 Students' Performance (100)

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2021-22	2020-21 (CAY)	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (CAYm3)	2016-17 (CAYm4)	2015-16 (CAYm5)	2014-15 (CAYm6)
Sanctioned intake of the program (*N*)	180	180	180	180	180	180	180	180
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 (*N*1)	180	180	180	173	180	180	175	180
Number of students admitted in 2nd year in the same batch via lateral entry (*N*2)	18	18	18	23	23	22	35	33
Separate division students, if applicable (N3)	Nil	Nil	Nil	nil	0	0	0	0
Total number of students admitted in the Program (*N*1 + *N*2 + N3)	**198**	**198**	**198**	**196**	**203**	**202**	**210**	**213**

Table 4.2

Year of entry	Total number of students admitted in the program 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
2021-2022	198	164			
2020-2021(CAY)	198	147	148	--	--
2019-2020(CAYm1)	198	159	128	125	--
2018-2019(CAYm2)	196	118	123	111	109
2017-2018(CAYm3)	203	137	133	121	120
2016-2017(LYG)	202	138	135	130	129
2015-2016(LYGm1)	210	129	105	96	94
2014-2015(LYGm2)	213	144	111	102	101

Table 4.3

Year of entry	Total number of students admitted in the program 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
2021-2022	198	196			
2020-2021(CAY)	198	193	207	--	--
2019-2020(CAYm1)	198	193	211	199	--
2018-2019(CAYm2)	196	171	187	184	170
2017-2018(CAYm3)	203	176	195	192	168
2016-2017(LYG)	202	179	197	194	171
2015-2016(LYGm1)	210	174	203	202	160
2014-2015(LYGm2)	213	180	207	204	156

4.1. Enrolment Ratio (20)

Enrolment Ratio= N1/N

Year of Entry	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment ratio[N1/N*100]
2021-2022	180	180	100
2020-2021(CAY)	180	180	100
2019-2020(CAYm1)	180	180	100
2018-2019(CAYm2)	180	173	96.11

Average [(ER1 + ER2 + ER3) / 3] :100
Assessment : 20.00

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)

Item	2018-19	2017-18	Latest Year of Graduation, LYG(2016-17)	Latest Year of Graduation minus 1, LYGm1(2015-16)	Latest Year of Graduation minus 2 LYGm2(2014-15)
X Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	196	203	202	210	213
Y Number of students who have graduated without backlogs in the stipulated period	109	120	129	94	101
Success Index [SI = Y / X]	**0.55**	**0.59**	**0.638**	**0.447**	**0.474**

Average SI [(SI1 + SI2 + SI3) / 3] : 0.59
Assessment [15 * Average SI] : 8.85

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

Item	2018-2019	2017-2018	LYG (2016-17)	LYGm1 (2015-16)	LYGm2 (2014-15)
X Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	196	203	202	210	213
Y Number of students who have graduated in the stipulated period	170	168	171	160	156
Success Index ([SI = Y / X])	**0.86**	**0.82**	**0.846**	**0.761**	**0.732**

Average SI [(SI1 + SI2 + SI3) / 3] : 0.842
Assessment [15 * Average SI] : 4.21

Note : If 100% students clear without any backlog then also total marks scored will be 40 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	2020-21	2019-20	CAYm2 (2018-19)	CAYm3 (2017-18)	CAYm4 (2016-17)
Mean of CGPA or Mean Percentage of all successful students (X)	7.38	7.27	7.68	7.69	7.47
Total no. of successful students (Y)	207	202	187	195	197
Total no. of students appeared in the examination (Z)	207	211	194	199	201
API = X* (Y/Z)	7.38	6.95	7.40	7.54	7.32

Average API [(AP1 + AP2 + AP3)/3] : 7.34
Assessment [1.5 * Average API] : 11.01

4.4. Placement, Higher Studies and Entrepreneurship (30)

Item	2018-19	2017-18	LYG (2016-17)	LYGm1 (2015-16)	LYGm2 (2014-15)
Total No. of Final Year Students (N)	188	198	194	202	204
No. of students placed in companies or Government Sector (x)	154	149	142	128	115
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y)	--	3	7	6	4
No. of students turned entrepreneur in engineering/technology (z)	---	-	1	14	7
Placement Index : (x + y + z)/N	P1=0.82	P2=0.76	P3=0.77	P4=0.73	P5=0.62

Average placement= (P1 + P2 + P3)/3 : 0.78
Assessment Points = 30 × average placement : 23.4

Placement:

Assessment Year: 2021-22

S.No	Name of the student placed	Enrollment No	Name of the employer	Appointment letter reference No. with date
1	BAGGU BHARGAVI	18341A0416	ACCENTURE	--
2	DANNANA RAMYA SRI	18341A0433	ACCENTURE	--
3	DHARMANA HARITHA	18341A0437	ACCENTURE	
4	EERISETTI SAI VEERA VENKATA VARAHALA SWAMY	18341A0443	ACCENTURE	
5	GANDEPALLI AKHITHA	18341A0447	ACCENTURE	
6	KONA SWATHI	18341A0471	ACCENTURE	
7	KOTNI SUPRIYA	18341A0477	ACCENTURE	
8	MACHARLA BHARGAVI	18341A0486	ACCENTURE	
9	MAKIREDDY GIRISH KUMAR	18341A0488	ACCENTURE	
10	PADALA SAI SURYA YOGITHA	18341A04A9	ACCENTURE	
11	PALAVALASA VENKATA SATYA DEEP	18341A04B1	ACCENTURE	
12	PENUMARTHI SOWMYA	18341A04B9	ACCENTURE	
13	PITHANI TARAKESWARI	18341A04C5	ACCENTURE	
14	TANGUDU SREEJA	18341A04E7	ACCENTURE	
15	THAMADA HEMANTH KUMAR	18341A04F0	ACCENTURE	
16	VANJARAPU SAHITHI	18341A04F5	ACCENTURE	
17	YEDULA NUTANAA REDDY	18341A04G8	ACCENTURE	
18	KONDAKA LAKSHMIPRASANNA	18341A0473	BRILLIO	19-10-2021
19	ATMAKURI SYAM KUMAR	18341A0411	CAPGEMINI	2210708
20	AYYANNAMAHANTHI ROHIT	18341A0413	CERIUM SYSTEMS	20-12-2021
21	SAVALAPURAPU PRASANNA	18341A04D9	CERIUM SYSTEMS	20-12-2021
22	YELLAPU NIHITH KUMAR	18341A04H1	CERIUM SYSTEMS	20-12-2021
23	BAMMIDI SAI AKHIL	18341A0417	COFORGE	06-01-2022
24	BEHARA SAI CHARAN	18341A0420	COFORGE	06-01-2022

25	PAIDI SRAVANKUMAR	19345A0415	COFORGE	06-01-2022
26	ADITI KUMARI	18341A0402	CTS GENC	1551800-02-11-2021
27	ALAMANDA SWATHI	18341A0403	CTS GENC	1551536-02-11-2021
28	ALAMANDA VENKATESH	18341A0404	CTS GENC	1542666-02-11-2021
29	ALTI AJAY KUMAR	18341A0407	CTS GENC	15-01-2022
30	AVU JYOTHSNA	18341A0412	CTS GENC	1551430-02-11-2021
31	BANDI MANOHAR	18341A0418	CTS GENC	15-01-2022
32	BURLU PARDHU	18341A0424	CTS GENC	02-11-2021
33	CHILAKALAPALLI HARSHITHA	18341A0431	CTS GENC	1484997-02-11-2021
34	ELISELA SRI SANDHYA	18341A0444	CTS GENC	15-01-2022
35	GADE VANAJA	18341A0445	CTS GENC	15-01-2022
36	GADILLI SAI NIKHIL	18341A0446	CTS GENC	1535964-02-11-2021
37	GOLI LEELA SASIDHAR REDDY	18341A0451	CTS GENC	1536355-02-11-2021
38	GUNNA SIDHARTHA	18341A0457	CTS GENC	1479089-02-11-2021
39	KADALI SHYAM KUMAR	18341A0462	CTS GENC	1186594-02-11-2021
40	KARRI UMA SAI TEJA	18341A0465	CTS GENC	1170599-02-11-2021
41	KELLI VAMSI	18341A0467	CTS GENC	15-01-2022
42	KONATHALA RAKESH	18341A0472	CTS GENC	1177960-02-11-2021
43	KOTA VENKATA MANIKANTA REDDY	18341A0475	CTS GENC	15-01-2022
44	LOLUGU SAI KOMAL VARDHAN	18341A0485	CTS GENC	1500553-02-11-2021
45	MEDISETTI SHANMUKHA SAI VENKAT	18341A0495	CTS GENC	
46	MOHITH SAI BABU KOTA	18341A0498	CTS GENC	15-01-2022
47	MORTHALA SAI VENKATA KRISHNA REDDY	18341A04A0	CTS GENC	1176797-02-11-2021
48	NERALLA MANIKANTA	18341A04A6	CTS GENC	1089062-02-11-2021
49	PADARTHI KRISHNA KISHORE	18341A04B0	CTS GENC	15-01-2022
50	PANIGRAHI GOWRI CHANDANA	18341A04B4	CTS GENC	15-01-2022
51	PERUMALLU UPENDRA	18341A04C0	CTS GENC	15-01-2022
52	RAGHUMANDA VASUDEV NAIDU	18341A04D0	CTS GENC	1555689-02-11-2021

53	SAHUKARI MANIKANTA	18341A04D5	CTS GENC	15-01-2022
54	SATIVADA SAI PADMINI	18341A04D8	CTS GENC	15-01-2022
55	SILLA RAKESH	18341A04E3	CTS GENC	15-01-2022
56	SUVVADA SOWJANYA	18341A04E6	CTS GENC	1467405-02-11-2021
57	TEEDA NAVYA HARINI	18341A04E8	CTS GENC	1534424-02-11-2021
58	THATAPUDI SAM ASHISH	18341A04F1	CTS GENC	
59	VADDI BHARGAV	18341A04F2	CTS GENC	15-01-2022
60	VARIKUTI YASWANTH REDDY	18341A04F6	CTS GENC	1538278-02-11-2021
61	Y MONIKA	18341A04G3	CTS GENC	
62	YENUMULA SRI VENKATA PADMA KISHORE	18341A04H2	CTS GENC	15-01-2022
63	GEDELA SIREESHA	19345A0418	CTS GENC	28-01-2022
64	MYLAVARAPU VENKATA SAI PRASANTH	19345A0423	CTS GENC	15-01-2022
65	GEDELA SUDHEER NAIDU	18341A0448	CTS GENC ELEVATE	1109281-02-11-2021
66	NARAYANASETTI MANIKANTA	18341A04A5	CTS GENC ELEVATE	17-01-2022
67	BADDIREDDI SIVA RAJESH	18341A0414	GENC ELEVATE	17-01-2022
68	CHEEPURU ANANTHA SAI SIMHACHALAM	18341A0428	GENC ELEVATE	23-04-2022
69	KOLLI AJAY KUMAR	18341A0468	GENC ELEVATE	17-01-2022
70	MALLA PAVAN KUMAR	18341A0490	GENC ELEVATE	17-01-2022
71	MOKALA HARSHAVARDHAN	18341A0499	GENC ELEVATE	1188659-02-11-2021
72	PASARLA ARAVIND	18341A04B5	GENC ELEVATE	17-01-2022
73	LINGISETTY ADITHYA SAI	18341A0482	GENC NEXT	18-01-2022
74	BORA VAMSI KRISHNA	18341A0423	GMR GROUP	07-07-2022
75	BADIREDDY HARI PRAKASH REDDY	18341A0415	HCL	
76	CH THARAKESWARI	18341A0426	HCL	
77	DEVU PAVAN KALYAN	18341A0436	Zensar Technologies	08-01-2022
78	GETTA VEERA SUMA LATHA	18341A0449	HCL	23-05-2022
79	ALLADA CHAKRADHAR	18341A0405	Accenture	

80	DONKADA ABHISHEK	18341A0441	HEXAWARE	27-12-2021
81	SILANTHARAJULA GOVINDA SAI MOHAN	18341A04E2	HEXAWARE	27-12-2021
82	VENKAT RAVI TEJA KALLA	18341A04G1	ILENSYS	28-02-2022
83	PYDI SAI KIRAN	19345A0417	ILENSYS	28-02-2022
84	MARNA MADHU	18341A0492	INFINITE COMPUTER SOLUTIONS	11-04-2022
85	PONNADA DURGA PRASADA RAO	18341A04C6	INFOSYS	
86	MARUPALLI NEERAJ KUMAR	18341A0493	Cognizent	18-01-2022
87	NADIMINTI RAKESH	18341A04A3	INFOSYS	19-08-2021
88	GOLLAPALLI RAMYA	18341A0453	KELLTON TECH	13-03-2022
89	GONTU VISHAL	18341A0455	KELLTON TECH	14-03-2022
90	SUTHAPALLI SAI THARUN	18341A04E5	KELLTON TECH	13-03-2022
91	VAVILAPALLI AJAY KUMAR	18341A04F7	KELLTON TECH	13-03-2022
92	ARNIPALLI VENKATESH	18341A0410	MPHASIS	MPHTH_CD2022-2725-18-11-2021
93	JAYANTHI SIVA SAI KRISHNA MURTHY	18341A0460	MPHASIS	MPHTH_CD2022-2745-18-11-2021
94	KOVVALI CHARAN KRISHNAN	18341A0479	MPHASIS	MPHTH_CD2022-2729-18-11-2021
95	MALAKAR BARNALI	18341A0489	MPHASIS	MPHTH_CD2022-2727-18-11-2021
96	MAVURU HEMANTH KUMAR	18341A0494	MPHASIS	MPHTH_CD2022-2735-18-11-2021
97	PONNADA PAVANI	18341A04C7	MPHASIS	MPHTH_CD2022-2739-18-11-2021
98	SANCHANA PAVANSAI	18341A04D6	MPHASIS	MPHTH_CD2022-2743-18-11-2021
99	VAVILAPALLI PAVANKALYAN	18341A04F8	MPHASIS	MPHTH_CD2022-2751-18-11-2021
100	VENIGALLA SRIVATSAVA	18341A04G0	MPHASIS	---
101	YELAMARTHY PAVANKUMAR	18341A04G9	MPHASIS	MPHTH_CD2022-2737-18-11-2021
102	CHAUDHARY CHURA RAM	18341A0427	TCS	TCSL/CT20213679194/Hyderabad-16-10-2021
103	CHETTU SANTOSH KUMAR	18341A0429	TCS	TCSL/CT20213680229/Hyderabad-16-10-2021

104	DIKKALA PEEYUSHVARDHAN	18341A0438	TCS	TCSL/CT20213704895/Hyderabad-16-10-2021
105	KAGITHAPALLI DHILLESWARARAO	18341A0463	TCS	TCSL/DT20218213913/Hyderabad-16-10-2021
106	KAVALA VENKATA LAKSHMI NARAYANA	18341A0466	TCS	TCSL/DT20206834375/Hyderabad-16-10-2021
107	KOLLURU SIVA SAI	18341A0470	TCS	TCSL/CT20213681384/Hyderabad-16-10-2021
108	RIMMALAPUDI HEMANTH KUMAR	18341A04D1	TCS	TCSL/CT20213706854/Hyderabad-16-10-2021
109	SARIPILLI MANIKANTA	18341A04D7	TCS	16-10-2021
110	SRIKAR ALLENA	18341A04E4	TCS	TCSL/CT20213706731/Hyderabad-31-10-2021
111	ARASADA BHASKARA VENKATA SAI GAYATH	19345A0406	Hexaware	14-01-2022
112	JAMI KEERTHI PRIYA	18341A0459	TCS NINJA-PH-2	16-10-2021
113	P PAWAN KUMAR	18341A04A8	TCS NINJA-PH-2	
114	TELAGATHOTI AJAY	18341A04E9	TCS NINJA-PH-2	13-11-2021
115	KOLLURU MANITEJA	18341A0469	TECH MAHINDRA	2038161 / ELTP-CAMPUS / 2022-07-03-2022
116	PISINI PURNIMA	18341A04C3	TECH MAHINDRA	--
117	VEDULA SAI SUPRAJA	19345A0407	TECH MAHINDRA	2038172 / ELTP-CAMPUS / 2022-07-03-2022
118	MANTRIPRAGADA VENKATA TARUN KUMAR	18341A0491	TECHMAHINDRA	2071515 / ELTP-CAMPUS / 2022-27-03-2022
119	MADHABAKTULA VENKATA CHAITANYA	18341A0487	TK ELEVATOR	HR/LOI/21/MPF/5962-02-12-2021
120	AMPALAM VENKATA SHARMILA	18341A0408	VERZIO	--
121	POORNIMA SUNKU	18341A04C8	VISTEX	HYDPDCH2022007-13-01-2022
122	ABBURI MOHANA NAGA SAI PRAKASH PAVAN	18341A0401	WIPRO	18-01-2022

123	BONI MOUNIKA	18341A0422	WIPRO	18-02-2022
124	BURUGU CHITTI BABU	18341A0425	WIPRO	21-01-2022
125	DIVVELA BALACHANDRA MANIKANTA	18341A0439	WIPRO	08-10-2021
126	EDALA LAKSHMI SIRISHA	18341A0442	WIPRO	29-01-2022
127	GOLLAMANDALA MOYER	18341A0452	WIPRO	21-01-2022
128	HARSHINI SADASIVUNI	18341A0458	WIPRO	--
129	KALEPU RAVI KUMAR	18341A0464	WIPRO	21-01-2022
130	KUNA NAVEEN KUMAR	18341A0480	WIPRO	21-02-2022
131	KUNA VENKATA MANOJ KUMAR	18341A0481	WIPRO	01-02-2022
132	LOLUGU CHAKRI	18341A0484	WIPRO	28-01-2022
133	MEESALA MOUNICA DEVI	18341A0496	WIPRO	25-01-2022
134	MOGALIPURI GOWTHAM KUMAR	18341A0497	TCS	CSL/CT2021370385 7/Hyderabad-16-10-2021
135	NANDAMUDI SURENDRA KUMAR	18341A04A4	TCS	TCSL/DT202181955 83/Hyderabad-16-10-2021
136	PEDADA NAVEEN	18341A04B6	Cognigent	15-01-2022
137	PIDATALA BALA RAJU	18341A04C1	WIPRO	21-01-2022
138	POTNURU PAVANKALYAN	18341A04C9	WIPRO	10-12-2021
139	ROUTHU HIMABINDU	18341A04D2	WIPRO	19-01-2022
140	RUNJALA MADHURI	18341A04D3	WIPRO	26-03-2022
141	SHAIK MOBINA	18341A04E0	WIPRO	22-01-2022
142	YANDRAPU RISHITHA	18341A04G7	WIPRO	19-01-2022
143	YERUKOLA V K S S LAXMAN KUMAR	18341A04H3	WIPRO	14-01-2022
144	PALAKURTHI SREEROOPA	19345A0401	WIPRO	12-10-2021
145	GANDHAM HEMA PRASAD	19345A0408	WIPRO	18-01-2022
146	GELLA SANDEEP KUMAR	19345A0409	WIPRO	24-01-2022
147	GONTINNA MITHUN	19345A0421	WIPRO	
148	NALLAMOLU HEMAMADHAVA NAGENDRA	19345A0402	WIPRO ELITE NTH	24-01-2022

149	GOKEDA BHUSHAN PRASAD	18341A0450	WIPRO NTH	22-01-2022
150	DEESARI BALAKRISHNA MURTHY	18341A0435	WIPRO PH-2	21-03-2022
151	YAGATI SRAVANI	18341A04G5	WIPRO PH-2	21-03-2022
152	JILLELA VENKATA REDDY	18341A0461	ZEN Q	04-07-2022
153	DARUKUMALLI SRI CHARAN	18341A0434	ZENSAR	0081559_7/1639927 -08-01-2022
154	PILLA VENKATAPPARAO	18341A04C2	ZENSAR	0081559_9/1640137 -08-01-2022

Assessment year: CAY: 2020-21

S.No	Name of the student placed	Enrollment No	Name of the employer	Appointment letter reference No. with date
1	BEHARA MOHITH KUMAR	17341A0421	Accenture	
2	BONU VENKATA NIKHIL	17341A0432	Accenture	
3	CHIRLA RAMA SATYANARAYANA REDDY	17341A0442	Accenture	-----
4	CHITTURI RAVI TEJA	17341A0443	Accenture	------
5	GAJULAVARTHI VANDANA	17341A0455	Accenture	C9721703-05-07-2021
6	GUJJALA NAVEENKUMAR	17341A0462	Accenture	C9996013-25-08-2021
7	JAMPANA LAVANYA	17341A0471	Accenture	C972158905-07-2021
8	JYOTHSNA SREE DANGETI	17341A0474	Accenture	C9708326-01-07-2021
9	MADDULA SIREESHA	17341A04A3	Accenture	C9668824 -23-06-2021
10	P V S PRASANTH	17341A04C6	Accenture	---
11	PERUGU MANOJ KUMAR	17341A04D3	Accenture	C10008976-26-08-2021
12	SAI CHANDU LINGAMNENI	17341A04E7	Accenture	C9932805-21-08-2021
13	SHAIK SALEEM	17341A04F7	Accenture	---
14	VAVILAPALLI SAI KUMAR	17341A04H4	Accenture	C9997164-25-08-2021
15	ARVAPALLI DIVYA SAITEJA	17341A0412	Bright Champs	20-09-2021

16	DHARMAPU YASHIKA	17341A0448	Capgemini	720580
17	SANDURU SAI DEEPIKA	17341A04F2	Capgemini	728247
18	ELAPAKURTHY ROHITH	17341A0454	Cerium	25-11-2020
19	PIRIYA ASHANYA	17341A04D6	Cerium	25-11-2020
20	SEEPANA VANDANA	17341A04F5	Coforge	4062641/29-09-2021
21	VAMBARA MANASA	17341A04G7	Coforge	29-09-2021
22	KANURI NIKHIL SAI	18345A0418	Coforge	4062610/29-09-2021
23	Beepala Devi	17341A0422	COFORGE	24-09-2021
24	MOHAMMED SOHAIL	17341A04B6	Cognizant	17787316-26-08-2021
25	BARATAM SAI MANIKANTA	17341A0418	Cognizant (GEN C)	---
26	BHUPATHIRAJU MANIDEEP RA	17341A0425	Cognizant (GEN C)	15611015-22-03-2021
27	EDUPUGANTI SRIRAM	17341A0453	Cognizant (GEN C)	--
28	MUVVALA N S S R M VENKAT	17341A04C0	Cognizant (GEN C)	15609405-23-03-2021
29	PERLA NIKHIL MANI RAKESH	17341A04D2	Cognizant (GEN C)	---
30	SEERA RESHMA	17341A04F6	Cognizant (GEN C)	15609379-21-03-2021
31	URITI NIKHIL SAI KUMAR	17341A04G4	Cognizant (GEN C)	15609472-28-04-2021
32	URITI SWETHA	17341A04G5	Cognizant (GEN C)	15609477-22-03-2021
33	VAKACHARLA CHANDRA MOULI	17341A04G6	Cognizant (GEN C)	---
34	VASISTA VENKAT SAI PATNA	17341A04H3	Cognizant (GEN C)	---
35	SIDDIREDDY ARAVIND	18345A0412	Cognizant (GEN C)	---
36	ANDRA KAVYA SRI	17341A0407	Cognizant(GEN C)	15608550-27-04-2021
37	BHEESETI SHANMUKHA MURAL	17341A0424	Cognizant(GEN C)	15610946-22-03-2021
38	BONDA MOUNIKA	17341A0431	Cognizant(GEN C)	---
39	BOOSUROTHU GUPTESWARA RA	17341A0433	Cognizant(GEN C)	15610357-23-03-2021
40	DABBEERU SWETHA	17341A0444	Cognizant(GEN C)	15610904-22-03-2021
41	DEVADI VENKATA SAI	17341A0447	Cognizant(GEN C)	15610922-22-03-2021

42	DONTAMSETTI ANUSHA	17341A0450	Cognizant(GEN C)	15610787-22-03-2021
43	JALADI HEMA SAI SARATH K	17341A0468	Cognizant(GEN C)	15609356-27-04-2021
44	JAMISETTI JYOTHIRMAYI	17341A0470	Cognizant(GEN C)	15610792-28-04-2021
45	JASWANTH SAMMETA	17341A0473	Cognizant(GEN C)	15610876-22-03-2021
46	KANCHARAPU LEELA SRIDHAR	17341A0480	Cognizant(GEN C)	15609419-22-03-2021
47	KOMMALAPATI YASWANTH	17341A0489	Cognizant(GEN C)	15610439-22-03-2021
48	MAMMULA SRIKAR	17341A04A8	Cognizant(GEN C)	15608342-22-03-2021
49	MARADANA SAIKRISHNA	17341A04B2	Cognizant(GEN C)	15610901=23-03-2021
50	MULLAPUDI VENKATA SITARA	17341A04B9	Cognizant(GEN C)	---
51	MYLAPALLI BHARGAVI	17341A04C1	Cognizant(GEN C)	15611034-23-03-2021
52	PABBATHI PADMA SAI	17341A04C7	Cognizant(GEN C)	15611073-23-03-2021
53	PATNAIKUNI SAI SURYA	17341A04D0	Cognizant(GEN C)	15609476-22-03-2021
54	PIPPALLA HEMANTH	17341A04D5	Cognizant(GEN C)	14777205-23-03-2021
55	PODILAPU SRILATHA	17341A04D7	Cognizant(GEN C)	15609361-23-03-2021
56	RAVURI VENKATA SASANK	17341A04E2	Cognizant(GEN C)	15610937-23-03-2021
57	RAVVA RAJ KUMAR	17341A04E3	Cognizant(GEN C)	15610794-23-03-2021
58	REESU MAHESH VENKAT	17341A04E5	Cognizant(GEN C)	15611036-23-03-2021
59	SAKINALA VENKATA SURENDR	17341A04E9	Cognizant(GEN C)	---
60	SAPPA VINAY KUMAR	17341A04F3	Cognizant(GEN C)	15610920-23-03-2021
61	SASAPU ESWARA RAO	17341A04F4	Cognizant(GEN C)	15610931-23-03-2021
62	YANDRAPU THANUSHA	17341A04H8	Cognizant(GEN C)	15610992-22-03-2021
63	VELAGADA SUVIDHYA	17341A04H5	Diagnol	23-08-2021
64	Pinninti Anusha	17341A04D4	EPSOFT	25-05-2021
65	ABOTULA SUREKHA	17341A0401	Global Edge	17-05-2021
66	LAGAMSANI SAHITHI PRIYA	17341A0499	Global Edge	17-05-2021

67	BANDELA JNANA SRI UMA VARDHAN	17341A0417	HCL Technologies	---
68	KUSUMANCHI KAMESWARI KOUSHIK	17341A0498	HCL Technologies	---
69	BODDEDA MANJUSHA	17341A0428	Hexaware	17-12-2020
70	GODDU THANUJA	17341A0460	Hexaware	18-12-2020
71	KOTA LASYA	17341A0494	Infosys	HRD/3T/21-22/1002126107-27-07-2021
72	RAGHU CHEEPURUPALLI	17341A04E0	Infosys	HRD/3T/21-22/1002126135-19-08-2021
73	RAVADA JAVAHARI	17341A04E1	Infosys	HRD/3T/1002126146/21-22-20-10-2021
74	SHIVA DURGA KONDI	17341A04F8	Infosys	HRD/3T/21-22/1002126163-27-07-2021
75	KONAKANCHI SUSMITHA	18345A0419	Infosys	HRD/3T/21-22/1002128820-27-07-2021
76	KILLI LIKHITHA	17341A0485	KPIT Technologies	11-05-2021
77	KOSURU CHAITANYA	17341A0493	KPIT Technologies	11-05-2021
78	DWARAPUDI VASAVI	17341A0452	Mindtree	14-12-2020
79	PRAVEEN KUMAR KILLAMSETTY	17341A0483	Ramtech Corp.	31-08-2021
80	GULLIPALLI SHYAM SUNDAR	18345A0417	Ramtech Corp.	31-08-2021
81	CHALLA RAMESH	18345A0420	Ramtech Corp.	31-08-2021
82	Chandra sekhar Ippili	17341A0466	TCS	TCSL/CT20203307769/Mumbai-13-08-2021
83	Nani Babu Maka	17341A04A4	TCS	TCSL/DT20218999819/Pune-09-12-2021
84	Naga Raju Balijireddi	17341A0415	TCS	TCSL/CT20203307444/Chennai-04-12-2021
85	Mona Padala	18345A0402	TCS	TCSL/CT202113815958/Lucknow-14-01-2022
86	Komera Satyanandam	17341A0487	TCS	TCSL/DT20206633102/Chennai-01-11-2021

87	ADAPA SAI KUMAR	17341a0402	TCS NQT	CSL/CT2020329508 9/Hyderabad-11-01-2021
88	ANANTARAPU AVINASH	17341A0406	TCS NQT	TCSL/DT202068309 70/Hyderabad-11-01-2021
89	ANGARA CHAITANYA NAGA VE	17341A0408	TCS NQT	TCSL/DT202068308 82/Hyderabad-11-01-2021
90	BOGAVILLI SAI PRAMOD	17341A0429	TCS NQT	TCSL/CT202035542 89/Hyderabad-11-01-2021
91	CHAMARTY LAKSHMI PRIYA	17341A0437	TCS NQT	TCSL/CT202033082 44/Hyderabad-11-01-2021
92	DANDA SWETHA	17341A0445	TCS NQT	TCSL/CT202035661 01/Hyderabad-10-01-2021
93	GANAPAVARAPU MOHAN KIRAN	17341A0456	TCS NQT	TCSL/CT202033061 51/Hyderabad-11-01-2021
94	GARA NIHARIKA	17341A0458	TCS NQT	TCSL/CT202032933 95/Hyderabad-11-01-2021
95	GUNDU CHIRANJEEVI	17341A0463	TCS NQT	TCSL/CT202033003 81/Hyderabad-11-01-2021
96	IJJU RATNA MOHAN	17341A0465	TCS NQT	TCSL/CT202033069 09/Hyderabad-11-01-2021
97	JAMI VINEETH KUMAR	17341A0469	TCS NQT	TCSL/CT202033074 42/Hyderabad-10-01-2021
98	KOTTAKOTA SAI KIRAN	17341a0496	TCS NQT	TCSL/CT202033068 67/Hyderabad-11-01-2021
99	MADDULA AVINASH	17341A04A2	TCS NQT	TCSL/CT201927469 75/Kolkata-13-08-2021
100	MAKESA DILLESWARI	17341A04A5	TCS NQT	TCSL/CT202033070 31/Ahmedabad-26-08-2021
101	NOWPADA SIREESHA	17341A04C5	TCS NQT	TCSL/CT202033076 02/Hyderabad-11-01-2021
102	ROMPELLI YASWANTH	17341A04E6	TCS NQT	TCSL/CT202033073 79/Hyderabad-11-01-2021
103	SOMU JAYANTH KUMAR REDDY	17341A04G0	TCS NQT	CSL/CT2020350073 0/Hyderabad-11-01-2021

104	THOKALA LAKSHMI SUPRIYA	17341A04G3	TCS NQT	TCSL/DT20206831668/Hyderabad-11-01-2021
105	VEMULA SAI VAISHNAVI	17341A04H6	TCS NQT	TCSL/CT20203295519/Hyderabad-11-01-2021
106	LAKKIREDDY VENKAT REDDY	18345A0421	TCS NQT	TCSL/CT20203306535/Hyderabad-11-01-2021
107		17341A0410	TECH MAHINDRA	845402/1963603/ELTP-27-09-2021
108		17341A0446	TECH MAHINDRA	845402/1963580/ELTP-27-09-2021
109	CHIPPADA JAHNASRI	17341A0441	Tudip Technolgies	30-12-2020
110	KARRI TEJESH	17341A0481	Tudip Technolgies	30-12-2020
111	KOTARU RAMA SRIKANTH	17341A0495	Tudip Technolgies	30-12-2020
112	MANDA MANIKANTA	17341A04B0	Tudip Technolgies	
113	MUDADLA SAI CHANDINI	17341A04B8	Tudip Technolgies	30-12-2020
114	POTHARAJU PRASANNA RAMAS	18345A0416	Tudip Technolgies	---
115	ARANGI NITISH	17341A0411	Wipro	31-08-2021
116	DHAVALA SANDHYA	17341A0449	Wipro	10-07-2021
117	KANAKALA CHARISHMA	17341A0479	Wipro	30-07-2021
118	KOMMU LAXMI SOWJANYA	17341A0490	Wipro	10-07-2021
119	GANGINENI SAI MAHESH	18345A0415	Wipro	26-07-2021
120	GORLE LATHA	17341A0461	Wipro	
121	MATA KARUN	17341A04B3	Wipro	29-09-2021
122	SIMHADRI RAM NISANTH	17341A04F9	Wipro	22-09-2021
123	MALLAREDDY SAI KRISHNA YASWANTH	17341A04A7	Byjus	02-06-2021
124	MANDAPATI AVINASH VARMA	17341A04B1	Byjus	02-06-2021
125	MOSA PRAVALLIKA	17341A04B7	Byjus	02-06-2021
126	NADIMPALLI NAGENDRA VARMA	17341A04C2	Byjus	02-06-2021
127	YARAMALA SUHAS CHANDAN	17341A04H9	Wipro	23-09-2021
128	VENKAT MADASU	17341A04A1	TCS	TCSL/DT20229698234/1783192/Trivandrum

129	NOKKI DURGA KALYAN	17341A04C4	CTS	15628291
130	REDDI ADI VISHNU	17341A04E4	CTS	15613929
131	SAI KUMAR MACHARLA	17341A04E8	CTS	15619382
132	THAMALAPAKULA RAMU	17341A04G2	CTS	15612812
133	VANDEKARI GANESH	17341A04G9	WIPRO	29-09-2021
134	V H M REDDY	17341A04H1	WIPRO	29-09-2021
135	Y JEEVAN KISHORE	17341A04H7	WIPRO	29-09-2021
136	YENNI SANTOSH KUMAR	17341A04I0	WIPRO	29-09-2021
137	SHANMUKHA SRINIVAS AMBAKANDI	17341A0405	Quess	QS1792136
138	SASHIDHAR REDDY BIJJAM	17341A0426	Quess	QS1792137
139	PRANEETH BODDA	17341A0427	Quess	QS1792139
140	SUPRAJA JANNI	17341A0472	Quess	QS1792153
141	Atmakuri Sai	17341A0413	Capgemeni	5108964 /998509

Assessment year: CAYm1: 2019-20

S.No	Name of the student placed	Enrollment No	Name of the employer	Appointment letter reference No. with date
1	SUBUDHI AMRUTHA	16341A04G2	ACCENTURE	C9431798, 23-04-2021
2	TENEPALLI KALYAN SAI MANIKANTA CHARI	16341A04G7	APPS ASSOCIATE	25-02-2021
3	NEELI VENKATA PRADEEP KUMAR	16341A04B2	APTROID	17-09-2020
4	PADALA RAVINDHRA REDDY	16341A04B7	APTROID	17-09-2020
5	PILA SIVA SAI	16341A04C4	APTROID	17-09-2020
6	G B V RAJU	16341A0440	APTROID	17-09-2020
7	GEDDAPU VARDHINI	16341A0444	APTROID	17-09-2020
8	KANDI HIMAGIRI YOGANAND	16341A0465	APTROID	17-09-2020
9	KAREPATI DHARMA TEJA	16341A0469	APTROID	17-09-2020
10	KUPPILI VIJAY KUMAR	16341A0489	APTROID	17-09-2020
11	CHUNDRU RECHEL TEJA SRI	17345A0401	APTROID	17-09-2020
12	BARATAM RAVITEJA	17345A0409	APTROID	17-09-2020
13	MEDARAMETLA SAI JAGADEESH	16341A04A4	CAPGEMINI	3360721 /746764, 19-01-2021

14	SAMPATHIRAO SRINIDHI	16341A04E8	CAPGEMINI	4237558 /587966, 19-01-2021
15	DANDA ASHOK KRISHNA	17345A0403	CAPGEMINI	4488851 /771771, 05-06-2021
16	RAIBARKI PRASANTHI	16341A04E0	CAPTIAL VIA	18-09-2020
17	JANNI LIKHITHA	16341A0457	CAPTIAL VIA	12-02-2020
18	NEELI VENKATA PRADEEP KUMAR	16341A04B2	CTS	13906737, 17-12-2020
19	PADALA RAVINDHRA REDDY	16341A04B7	CTS	13901233, 16-12-2020
20	PILA SIVA SAI	16341a04c4	CTS	13906232, 17-12-2020
21	POTNURU PRASANNA LAXMI	16341a04d3	CTS	13906222, 18-12-2020
22	REPAKA VIJAY KUMAR GUPTA	16341a04e3	CTS	13906223, 19-12-2020
23	SAVIRIGANA SRAVANI	16341A04F3	CTS	13906224, 20-12-2020
24	SHAIK MOHAMMED SHAHEEZ	16341A04F8	CTS	13907731, 21-12-2020
25	SRIPERAMBUDURU HARISH	16341a04g0	CTS	13906226, 22-12-2020
26	UNDRAKONDA RAMA KRISHNA	16341a04g9	CTS	13906227, 23-12-2020
27	VENKATA DURGA PRASAD ARADADA	16341A04H3	CTS	13906228, 24-12-2020
28	AMBATI MANIKANTA	16341a0402	CTS	13905915, 16-12-2020
29	BANDI SRUTHI	16341A0413	CTS	13906277, 16-12-2020
30	BATCHU SRI VENKATA RAVINDRA BABU	16341A0417	CTS	13905544, 16-12-2020
31	BONTHU MANASA RANI	16341a0421	CTS	13905916, 16-12-2020
32	BUSAYAVALASA JAGADEESH	16341A0425	CTS	13905917, 16-12-2020
33	CHAPPIDI SAI PRATAP	16341a0429	CTS	13905918, 16-12-2020
34	DUSI NAVEEN KUMAR	16341a0437	CTS	13905919, 11-02-2021
35	G B V RAJU	16341a0440	CTS	13905920, 16-12-2020
36	GEDDAPU VARDHINI	16341a0444	CTS	13905921, 16-12-2020
37	KANDI HIMAGIRI YOGANAND	16341a0465	CTS	13905923, 16-12-2020
38	KANKATALA SURYA	16341A0466	CTS	14384982, 29-06-2020
39	KUPPILI VIJAY KUMAR	16341a0489	CTS	13905924, 16-12-2020
40	CHUNDRU RECHEL TEJA SRI	17345a0401	CTS	13905922, 25-12-2020
41	BARATAM RAVITEJA	17345a0409	CTS	13906275, 26-12-2020
42	KOTA VENKATA GOWTHAM SAI	16341A0482	GGK TEK	7569550099, 04-09-2019
43	VIJAYA SWATHI PADALA	16341A04B8	GLOBAL LOGIC	GL08-FM-PD-060, 26-02-2020
44	POTNURU SUNEETHA YAMINI	16341A04D5	GLOBAL LOGIC	GL08-FM-PD-060, 26-02-2020
45	SETTI ANUSHA	16341A04F5	GLOBAL LOGIC	26-02-2020
46	MANCHI PAVAN KALYAN	16341A0498	GLOBAL LOGIC	26-02-2020
47	REDDI TEJASWARI	16341A04E2	GLOBAL LOGIC	26-02-2020

48	GANDEPALLI INDRANI	16341A0441	GLOBAL LOGIC	26-02-2020
49	SANKARA RAO YENETTALA	16341A04F0	GMR	21-03-2021
50	MANOJ KUMAR BORADO	16341A04A0	HCL	02-10-2020
51	NADIKUPPALA DURGA NAGENDRA KUMAR	16341A04A8	HCL	03-10-2020
52	NIDADAVOLU LEKHA SRI	16341A04B3	HCL	04-10-2020
53	PADALA VIJAYA SWATHI	16341A04B8	HCL	05-10-2020
54	PAILA SOWMYA	16341A04B9	HCL	06-10-2020
55	PEDAKOTA MANJU	16341A04C3	HCL	07-10-2020
56	POTHURI JAGADESWARA PAVAN KUMAR VARMA	16341A04D1	HCL	08-10-2020
57	SAVIRIGANA SRAVANI	16341A04F3	HCL	09-10-2020
58	SEEPANA HARITHA	16341A04F4	HCL	10-10-2020
59	SUBUDDHI ABHINESH	16341A04G1	HCL	11-10-2020
60	SURAPANENI USHA KIRAN	16341A04G3	HCL	12-10-2020
61	TARIGOPPULA VENKATA SAI SATYA VENU	16341A04G5	HCL	13-10-2020
62	TENEPALLI KALYAN SAI MANIKANTA CHARI	16341A04G7	HCL	14-10-2020
63	TUTIKA SAITEJA	16341A04G8	HCL	15-10-2020
64	ARUN BEHARA	16341A0408	HCL	16-10-2020
65	BANDI SRUTHI	16341A0413	HCL	17-10-2020
66	BARLA LAVANYA DEEPIKA	16341A0415	HCL	18-10-2020
67	BONTHU MANASA RANI	16341A0421	HCL	19-10-2020
68	CHILAKALAPALLI PAVAN KALYAN	16341A0430	HCL	20-10-2020
69	DHIRAJ KUMAR SAHU	16341A0435	HCL	21-10-2020
70	DUBBA HARIKA	16341A0436	HCL	22-10-2020
71	GANDRETI BHARGAVI	16341A0443	HCL	23-10-2020
72	GOTTAM MAHESH REDDY	16341A0447	HCL	24-10-2020
73	IJJADA SARITHA	16341A0453	HCL	25-10-2020
74	IMMANDI HEMA GAYATRI	16341A0454	HCL	26-10-2020
75	KAPPAREDDY LAVANYA	16341A0468	HCL	27-10-2020
76	KAVYA RONGALI	16341A0471	HCL	28-10-2020
77	KILLARI DEEKSHA	16341A0473	HCL	29-10-2020
78	KUNA KIRAN	16341A0486	HCL	30-10-2020
79	MADDIPOTI DEVI PRIYANKA	16341A0494	HCL	31-10-2020
80	BARRE KESAV HIMA TEJA	16341A0416	HEXAWARE	19-11-2019
81	PRAKKI SATYA AKHILESH	16341A04D6	INFOSYS	HRD/3T/1001443875/21-22, 06-06-2021
82	BAIRISETTI NAVEEN	16341A0411	INFOSYS	HRD/3T/1000891043/20-21, 28-01-2021
83	NEELI VENKATA PRADEEP KUMAR	16341A04B2	MINDTREE	03-12-2019
84	GUBBALA BHANU VENKATESH	16341A0449	SOCTRONICS	SoCT/LOI/ET, 31-10-2019
85	PASUPULETI SAI TARUN	16341A04C2	SOCTRONICS	SoCT/LOI/ET, 31-10-2019

86	SUBUDDHI ABHINESH	16341A04G1	SOCTRONICS	SoCT/LOI/ET, 31-10-2019
87	MELAM VENKATA SAI KUMAR	16341A04A5	TCS	TCSL/CT20192754232/1298162/Hyderabad, 13-01-2021
88	PADALA PREM SAI	16341A04B6	TCS	TCSL/CT20182377532/1458551/Hyderabad, 22-02-2021
89	VIJAYA SWATHI PADALA	16341A04B8	TCS	TCSL/CT20192619153/1292080/Hyderabad, 04-01-2021
90	PILLI RESHMI KARUN	16341A04C5	TCS	TCSL/DT20184294762/1477306/Chennai, 23-03-2021
91	MANISHA POGIRI	16341A04C7	TCS	TCSL/CT20182377479/Hyderabad, 13-09-2021
92	TEJA POLAMURI	16341A04C9	TCS	TCSL/CT20182377446/1290533/Hyderabad, 22-12-2020
93	J P K POTHURI	16341A04D1	TCS	TCSL/CT20182377426/-Bangalore, 26-11-2020
94	POTNURU RAMYA	16341A04D4	TCS	TCSL/DT20184294742/Chennai, 20-03-2021
95	NAGA VASU SAI MEGHANA PULAVARTHY	16341A04D7	TCS	TCSL/CT20192729237/1491383/Chennai, 16-04-2021
96	SAI RAM RAVULA	16341A04E1	TCS	TCSL/CT20182377477/1290819/Hyderabad, 23-10-2020
97	RUPPA SRIVANI	16341A04E5	TCS	TCSL/DT20184294721/Hyderabad, 20-02-2021
98	SETTI ANUSHA	16341A04F5	TCS	TCSL/CT20192619312/Hyderabad, 19-09-2019
99	SHAIK MAHAMMAD RIYAZ	16341A04F6	TCS	TCSL/CT20192725202/1491372/Chennai, 16-04-2021
100	ABHINESH SUBUDDHI	16341A04G1	TCS	TCSL/CT20182377463/1491378/Chennai, 16-04-2021
101	VENU TARIGOPPULA	16341A04G5	TCS	TCSL/CT20182377533/Hyderabad, 13-09-2019
102	SAITEJA TUTIKA	16341A04G8	TCS	TCSL/CT20192715624/1491375/Chennai, 16-04-2021
103	VAVILAPALLI SATEESH	16341A04H1	TCS	TCSL/CT20192636419/-Pune, 04-03-2021
104	VISINIGIRI KUSUMA	16341A04H5	TCS	TCSL/DT20217608079/Hyderabad, 30-03-2021
105	YVVSSAR MANTENA	16341A04H8	TCS	TCSL/CT20192619082/1491394/Chennai, 16-04-2021

106	RISHI ANASA	16341A0403	TCS	TCSL/CT20182377465/1491398/Chennai, 16-04-2021
107	HARSHITHA ANDAVRAPU	16341A0404	TCS	TCSL/CT20182377580/1491377/Chennai, 16-04-2021
108	SUMANTH APPALABHAKTULA	16341A0406	TCS	TCSL/CT20182377501/1491372/Chennai, 16-04-2021
109	ARUN BEHARA	16341A0408	TCS	TCSL/CT20182377497/Chennai, 05-04-2021
110	PUJITHA BALAGA	16341A0412	TCS	TCSL/CT20192648268/Hyderabad, 13-09-2021
111	SRUTHI BANDI	16341A0413	TCS	TCSL/CT20182377581/1491357/Chennai, 16-04-2021
112	LAVANYA BARLA	16341A0415	TCS	TCSL/CT20182377589/1491353/Chennai, 16-04-2021
113	DEEPTHI BOMMANA	16341A0420	TCS	TCSL/CT20182377496/1290495/Hyderabad, 22-12-2020
114	SWETHA BONTHULA	16341A0422	TCS	TCSL/CT20192725145/1294976/Hyderabad, 18-11-2020
115	BABJI CHALLA	16341A0426	TCS	TCSL/CT20192715882/Hyderabad, 13-09-2019
116	PAVAN CHILAKALAPALLI	16341A0430	TCS	TCSL/CT20182377441/1491342/Chennai, 16-04-2021
117	DHIRAJ SAHU	16341A0435	TCS	TCSL/CT20182377457/Hyderabad, 24-09-2019
118	HARIKA DUBBA	16341A0436	TCS	TCSL/CT20182377439/1491302/Chennai, 16-04-2021
119	GANDEPALLI INDRANI	16341A0441	TCS	TCSL/CT20182377456/1491313/Chennai, 16-04-2021
120	SAI VARMA GOTTIMUKKALA	16341A0448	TCS	TCSL/CT20182377456/Hyderabad, 13-09-2019
121	IBRAHIM KHAN	16341A0451	TCS	TCSL/CT20182377466/1491317/Chennai, 16-04-2021
122	IJJADA SARITHA	16341A0453	TCS	TCSL/CT20192650028/1293854/Hyderabad, 09-10-2020
123	IMMANDI HEMA GAYATRI	16341A0454	TCS	TCSL/CT20182377541/-Hyderabad, 07-01-2021
124	AJAY KARRI	16341A0470	TCS	TCSL/CT20192619128/1292805/Hyderabad, 11-12-2020

125	KAVYA RONGALI	16341A0471	TCS	TCSL/CT20192652925/1491219/Chennai, 16-04-2021
126	SAISREE KETHA	16341A0472	TCS	TCSL/CT20192720903/Hyderabad, 23-09-2019
127	PAVAN KALYAN MANCHI	16341A0498	TCS	TCSL/CT20192649077/1293614/Hyderabad, 22-12-2020
128	CHUNDURU VIJAYA RAO	17345A0408	TCS	TCSL/CT20182377442/Hyderabad, 13-09-2019
129	POTNURU SUNEETHA YAMINI	16341A04D5	TOPPR	29-01-2020
130	SASUBILLI GANESH VARDHAN	16341A04F1	TOPPR	30-01-2020
131	SETTI ANUSHA	16341A04F5	TOPPR	31-01-2020
132	VAVILAPALLI SATEESH	16341A04H1	TOPPR	01-02-2020
133	ARUN BEHARA	16341A0408	TOPPR	02-02-2020
134	BEJJI BHAVANI	16341A0418	TOPPR	03-02-2020
135	JUTTUKA SANKAR RAO	16341A0458	TOPPR	04-02-2020
136	KUPPILI KALYAN	16341A0487	TOPPR	05-02-2020
137	LOKESWARA SEETARAMA SASTRY K	16341A0492	TOPPR	06-02-2020
138	MANCHI PAVAN KALYAN	16341A0498	TOPPR	07-02-2020
139	BAMMIDI NARESH	16345a0414	VAYU GROUP	29-04-2019
140	RISHI ANASA	16341A0403	WIPRO	28-05-2020
141	ATTILI VENKATA PHANIKISHORE	16341A0409	WIPRO	23-05-2020
142	SABBAVARAPU MOUNIKA SIVA LAKSHMI	17345A0406	WIPRO	30-06-2020

Assessment year: CAYm2: 2018-19

S.No	Name of the student placed	Enrollment No	Name of the employer	Appointment letter reference No. with date
1.	D SANTOSHINI	16345A0413	THREE PILLAR GLOBAL	26-09-2019
2.	S VISWA TEJA	15341A04E5	ALACRITY	06-06-2019
3.	SIREESHA H	15341A0468	AMAZON	13-07-2019
4.	V PREM CHAND	15341A04C7	AUDINTEL	16-03-2020
5.	PALUKURI VIVEK GUPTHA	15341A04B5	BYJUS	10-01-2019
6.	T MANIMALA	15341A04F5	BYJUS	29-06-2019
7.	B TARUN SEKHAR	15341A0434	BYJUS	29-06-2019
8.	R NEELIMA	15341A04B0	BYJUS	29-06-2019
9.	RAHUL CHARWAK V	15341A04H0	BYJUS	29-06-2019
10.	GARIKAPATI INDIRA	15341A0452	CAPITAL VIA	28-01-2019
11.	SAI KIRAN ANDHAVARAPU	15341A0408	CTS(COGNIZANT)	21-08-2019
12.	NANDINI BHYRI	15341A0427	CTS(COGNIZANT)	21-08-2019
13.	K RUPA SURENDRA	15341A0483	CTS(COGNIZANT)	30-06-2019

14.	VENKATA SONI SAMMANI	15341A04E0	CTS(COGNIZANT)	21-08-2019
15.	HEMANTH KUMAR BATTA	15341A0422	CTS(COGNIZANT)	21-08-2019
16.	K PAVAN KUMAR	15341A0489	CTS(COGNIZANT)	21-08-2019
17.	A REVANTH KUMAR REDDY	15341A0414	FACE	22-03-2019
18.	G ROHITH	15341A0457	FACE	22-03-2019
19.	L KAPILDEV	15341A0494	GMR GROUP	10-04-2019
20.	RONGALI LEELA	16345A0431	GMR GROUP	10-04-2019
21.	PEETANI HIMABINDU	15341A04B9	GMR GROUP	10-04-2019
22.	DHARMANA AMALA	15341A0443	GMR GROUP	10-04-2019
23.	T VINAY SAI KUMAR	15341A04G0	HCL	25-02-2020
24.	GUDLA MOUNIKA	15341A0459	HCL	24-06-2019
25.	KOTTAPALLI MOHAN SAI	15341A0491	HCL	24-06-2019
26.	MUPPIDI RAMADEVI	15341A04A6	HCL	25-02-2020
27.	SAVIRIGANA RAMAKRISHNA	15341A04E4	HCL	25-02-2020
28.	KARRI SAI MANEENDHARA REDDY	15341A0481	HCL	25-02-2020
29.	VELLANKI SANDHYA	15341A04G9	HCL	25-02-2020
30.	RONGALI GOPALA KRISHNA	15341A04D3	HCL	24-06-2019
31.	B.MADHURI	15341A0425	HEXAWARE	15-09-2018
32.	G.BHASAKAR	15341A0465	HEXAWARE	15-09-2018
33.	K S S KRISHNA REDDY	15341A0493	HEXAWARE	15-09-2018
34.	P.SIVARAM	15341A04C0	HEXAWARE	15-09-2018
35.	BAGADI RANA BHAGATH CHAND	15341A0416	INFINITE COMPUTER SOLUTIONS	26-04-2019
36.	JULURI VINEETHA	15341A0474	INFINITE COMPUTER SOLUTIONS	26-04-2019
37.	KARISHMA PANDURI	15341A0479	INFINITE COMPUTER SOLUTIONS	26-04-2019
38.	POTNURU LAKSHMI PRIYA	15341A04C3	INFINITE COMPUTER SOLUTIONS	26-04-2019
39.	POTTA VAMSI KRISHNA	15341A04C5	INFINITE COMPUTER SOLUTIONS	26-04-2019
40.	SANGANI JITHENDRA VARMA	15341A04E1	INFINITE COMPUTER SOLUTIONS	26-04-2019
41.	VYSYARAJU SRAVAN RAJU	15341A04H1	INFINITE COMPUTER SOLUTIONS	26-04-2019
42.	M SAI CHAND	15341A04A3	INFINITE COMPUTER SOLUTIONS	26-04-2019
43.	NADUPALLE SESHA SAI BALA ANJANI	15341A04A8	INFINITE COMPUTER SOLUTIONS	26-04-2019
44.	YAJJALA GUNA PAVAN	15341A04H2	INFINITE COMPUTER SOLUTIONS	26-04-2019
45.	BANDI SRIVIDYA	15341A0418	INFOSYS	05-09-2019
46.	KAJA HEMANTH	15341A0475	INFOSYS	05-09-2019
47.	NANDINI DEVI BEHERA	15341A04A9	INFOSYS	05-09-2019
48.	RAKESH YADAV	15341A04D0	INFOSYS	05-09-2019
49.	P BHANU PRAKASH	15341A0426	INVECAS	01-08-2020
50.	VASUDHA SIVA KISHORE	15341A04G7	JUST DIAL	07-01-2019
51.	DASARI SRI RAM	16345A0404	JUST DIAL	07-01-2019
52.	G RAJ KUMAR	15341A0450	MEDHA SERVO	26-04-2019

53.	G HARI CHANDANA	16345A0420	MOBASE	02-11-2020
54.	LUKALAPU SNEHASRI	15341A0496	TTEC(MOTIF)	27-05-2019
55.	MAHANTY YASASWINI	15341A04A0	TTEC(MOTIF)	22-05-2019
56.	SHAIK AZHAR SOHAIL	15341A04E6	TTEC(MOTIF)	16-05-2019
57.	A RAM BHARADWAJ	15341A0412	MU SIGMA	19-04-2019
58.	PURIPANDA RAJEEV	15341A04C9	NAL SOFT	25-10-2018
59.	B SURYA KIRAN	15341A04F2	OCS LTD.	27-02-2020
60.	B V RAVINDRA	15341A0428	PIRAMIL FOUNDATION	05-05-2019
61.	VENU GOPAL ADABALA	15341A0401	SOCTRONICS	16-10-2018
62.	NIHARIKA ALLA	15341A0404	SOCTRONICS	16-10-2018
63.	SAI PRANEETH BOGAVILLI	15341A0429	SOCTRONICS	16-10-2018
64.	SRI SAI SYAM VARUN	15341A0498	SOCTRONICS	16-10-2018
65.	GOWRI PRIYANKA	15341A04G8	SOCTRONICS	16-10-2018
66.	AKHIL KUMAR MATCHA	15341A04A4	SOCTRONICS	16-10-2018
67.	AMRUTH KUMAR PATNALA	15341A04B8	SOCTRONICS	16-10-2018
68.	SYAMSUNDAR POTNURU	15341A04C4	SOCTRONICS	11-09-2019
69.	JONNA SARITHA	15341A0471	TCS NINJA	22-02-2020
70.	KALAGA NAGENDRA MANIKANTA	15341A0476	TCS NINJA	09-10-2018
71.	KANDI MEENAPRIYANKA	15341A0478	TCS NINJA	09-10-2018
72.	MALLADI SRI LASYA	15341A04A2	TCS NINJA	09-10-2018
73.	PALAKURTHI SATYA NAVEENA	15341A04B3	TCS NINJA	09-10-2018
74.	POTHALA RAVI TEJA	15341A04C2	TCS NINJA	09-10-2018
75.	SAVA MANI SURYA	15341A04E3	TCS NINJA	06-06-2019
76.	SIMHADRI NIVAS	15341A04E9	TCS NINJA	09-10-2018
77.	R NANDA KISHORE	15341A04D1	TCS NINJA	06-04-2021
78.	R VENKATA CHAKRADHAR	15341A04D2	TCS NINJA	06-04-2021
79.	SIVA KRISHNA SAMIREDDY	15341A04D9	TEK SYSTEMS	01-08-2019
80.	B MOUNICA LAHARI	15341A0420	TOPPR	15-05-2019
81.	G.MANIKANTA	15341A0449	TUDIP TECHNOLOGY	15-10-2018
82.	TUTIKA LOKESH	15341A04G1	TUDIP TECHNOLOGY	15-10-2018
83.	D SAI VENKATA TEJA	15341A0444	UST GLOBAL	19-01-2021
84.	B NARESH	16345A0414	VAYU GROUP	29-04-2019
85.	M MANOJ	15341A04A5	VETAFORE	29-12-2020
86.	M JACINTH	15341A0497	VETAFORE	29-12-2020
87.	PARDHA SARADHI	15341A0402	WIPRO	13-05-2019
88.	JOSEPH KRIPANANDAM RAVI	15341A0472	WIPRO	19-12-2018
89.	NUKALA SAI LAKSHMI TEJA	15341A04B1	WIPRO	13-05-2019
90.	SIREESHA RAMDAS	16345A0421	WIPRO	30-04-2019
91.	K V L THANMAI	15341A0477	WIPRO	13-05-2019
92.	SANDHYA RANI PONDURU	16345A0417	TECH MAHINDRA	17-03-2021
93.	KINTALI YOGESWARI	15341A0484	SOCIAL WELFARE DEPARTMENT, GOVT OF ANDHRA PRADESH	
94.	VSSJ GANESH	16345A0408	DIGITAL ASSISTANT GOVT OF AP	
95.	PEDAGADI SATYANARAYANA	16345A0416	GOVERMENT OF AP-DIGITAL ASSISTANT	

Assessment year: CAYm3: 2017-18

S.No	Name of the student placed	Enrollment No	Name of the employer	Appointment letter reference No. with date
1	ALLADA PRAVALLIKA	14341A0402	KIOTECH	30-03-2018
2	ARJA JITHENDRA HANUMAN REDDY	14341A0406	TCS	OFFER LETTER 05/02/2020
3	ASAPU RAVI SHANKAR DURGA	14341A0407	MPHASIS	31-7-2019
4	BALI RAMYA	14341A0408	VAYU GROUP	20-4-2018
5	BANDARU SANTHOSHI	14341A0410	TCS	TCSL/CT20172329467/HYDERABAD, 22/11/2018
6	BARATAM KRISHNA MOHAN	14341A0411	PIRAMAL FOUNDATION	27-06-2021
7	BATTINI DEEPAK VARMA	14341A0412	MINDTREE LIMITED	26-SEP-18
8	BETHA RAJ SANTHOSHI	14341A0413	EPIC RESEARCH PVT LTD	15-03-2018
9	BODDEPALLI KISHOR KUMAR	14341A0414	TCS	OFFER LETTER 25-11-2018
10	BODDURU ASHISH	14341A0415	BULE_PEAK SYSTEMS	11-FEB-21
11	BONKA LAVANYA	14341A0416	ACCENTURE	19-OCT-18
12	BORA BALA SREE	14341A0418	APCFSS	2-8-2018
13	CHAGANTI S S V S LAKSHMINARAYA	14341A0419	LEGATO	31-12-2018
14	CHANDRASEKHARUNI SOUNDARYA	14341A0420	FACE	26-02-2018
15	CHITIKADA BHARATH	14341A0422	FACE	21-02-2018
16	CHOWDARI ASHOK KUMAR	14341A0424	MPHASIS	25-7-2019
17	CHUKKA DEEPIKA	14341A0425	GOVERNMENT OF ANDHRAPRADESH - PANCHAYAT RAJ DEPARTMENT	26-10-2019
18	DANDA YESASWI	14341A0426	SAKSOFT	12-11-2020
19	DARAPU LAXMI MOUNIKA	14341A0427	EPIC RESEARCH	LETTERS/AL/2018/64, MAY 7TH, 2018
20	DASARI SAI GOWTHAM	14341A0428	CAPGEMINI	REF: 1610769 /216287, 09/13/2018,
21	DATTI LAKSHMANA RAO	14341A0429	KIOTECH	30-03-2018
22	DEVABHAKTHUNI PAVAN KUMAR	14341A0430	SOCTRONICS	22-12-2017
23	DIKKALA JHANSIRANI	14341A0432	GSG	8-11-2017
24	DUMPA SAI KIRAN	14341A0433	HCL	19-MAR-21
25	DUNGA LAVANYA	14341A0434	KIOTECH	30-03-2018

26	EJJAPUREDDI SAI CHAITANYA	14341A0436	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1-03-2018
27	GAJENGI UDAY KIRAN	14341A0437	TCS	28-01-2019
28	GARALA MANEESHA	14341A0439	EPIC RESEARCH PVT LTD	24/4/2018
29	GEDELA AKHIL	14341A0440	PROCESSWARE SYSTEMS PVT. LTD	5-2-2019
30	GOLLAPALLI BHANU TEJA	14341A0441	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1-03-2018
31	GORRIBANDA VAMSI	14341A0442	EPIC RESEARCH PVT LTD	15/3/2018
32	GUDELA VENKATA SAI PRANEETH	14341A0444	SOCTRONICS	REF NO: SOCT/LOI/ET, DATE 18-12-2017
33	GUDIVADA HEMA GANGADHARA RAO	14341A0445	PIRAMAL FOUNDATION	NA
34	GUNDABALA JYOTHI	14341A0446	CONCENTRIX	6-7-2018
35	IJJADA BALA BHARGAVI	14341A0447	HEADRUN TECH PVT LTD	07/02/2018
36	INJARAPU VENKATA SAI JAYARAM	14341A0449	JUST DIAL LTD	3/4/2018
37	JANA SAI TEJA	14341A0451	PIRAMAL FOUNDATION	1/7/2018
38	JARAJAPU HEMANTH KUMAR	14341A0453	CGI	13-8-2018
39	JAYANTH SRIHARSHA KOTA	14341A0454	JUST DIAL LTD	3/4/2018
40	JITENDRA LATCHIREDDI	14341A0455	PIRAMAL FOUNDATION	1/7/2018
41	JUPUDI JOHN PRAKASH	14341A0456	BYJUS	8/12/2017
42	KALDHARI PRAVALLIKA NAGA SAI	14341A0457	CAD	3/4/2018
43	KANTANA SASANK KUMAR	14341A0458	BYJUS	9/12/2017
44	ASAPU NAVEENKUMAR	15345A0404	GAMESKRAFT TECHNOLOGIES	27-02-2020
45	SUDA LAKSHMI PRIYANKA	15345A0407	ICICI BANK	14-OCT-19
46	TAMMINAINA GUNASANKAR	15345A0411	JUNTRAN TECHNOLOGIES	01ST FEB 2021.
47	KALANGI PRINCE GEORGE PHILLIP	13341A0465	E-RAD IMAGING AND REPORTING SERVICES (INDIA) PVT. LTD	DATE: 10/10/2018
48	KASINA PRIYANKA	14341A0461	KIO TECH	2/4/2018
49	KASUKURTHI RAJESH	14341A0462	AP GOVT	DIGITAL ASSISTANT

50	KAYALA NIROSHA	14341A0463	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
51	KIMMI SATYA SAI SUNIL KUMAR	14341A0465	RBI	24-3-2021
52	KOLLANA VENKATESH	14341A0468	PIRAMAL FOUNDATION	1-7-2018
53	KOPPALA CHANDRA SEKHAR	14341A0471	CANARA BANK	25/06/2019
54	KOTNI SARANYA	14341A0475	WIPRO	17/9/2018
55	KUGGURU SRAVANI	14341A0477	IBPS	REF.NO. VZO:HR:2020-21: 347, DATE: 31.10.2020
56	KURADA RAGHUPATI	14341A0480	JOCATA	18/12/2020
57	LANKAPOTHU PRAPULLA REDDY	14341A0482	INFOSYS	OFFER LETTER: HRD/3T/18-19/12450746, SEPTEMBER 21, 2018
58	MACHARLA ANAND PREETHAM	14341A0483	CAPGEMINI	27-8-2018
59	MAMIDISETTY LEELA SRI RAM PRAS	14341A0486	PIRAMAL FOUNDATION	14/1/2018
60	MAMIDIPAKA AVINASH	14341A0487	CTS	OFFER LETTER 09-12-2018
61	MAREDLA SAI SANNIHITH	14341A0488	WIPRO	17-SEP-18
62	MARRAPU SIVA RAM	14341A0489	EPIC RESEARCH PVT LTD	1/5/2018
63	MARTHI ANANDRAJU	14341A0490	JUST DIAL LTD	28/11/2017
64	MATHAMSETTI PHANI KUMAR	14341A0491	GSG	8-11-2017
65	MATURU CHANDAN KUMAR	14341A0492	SOCTRONICS TECHNOLOGIES PVT LTD	17/12/2017
66	MEKA ASHOK	14341A0494	GOVERNMENT OF ANDHRAPRADESH	PANCHAYAT SECRETARY, 1-11-2019
67	MEKA NAVEEN	14341A0495	INFOSYS	HRD/3T/18-19/12771986, NOVEMBER 09, 2018
68	MIRIYALA VINEETHA	14341A0496	GOVT. AP	WELFARE AND EDUCATION ASSISTANT, 5-10-2019
69	MUDDADA MADHURI DEVI	14341A0497	PIRAMAL FOUNDATION	1/7/2018
70	MUKKAVILLI BALA SURYA NARAYANA	14341A0498	KIOTECH	7/4/2018
71	MUTHYALA SAI MEGHANA	14341A0499	COGNIZANT	7-7-2018
72	NADIPALLI JAYARAJU	14341A04A0	JUST DIAL LTD	11-12-2017
73	NALAM LAKSHMI MOUNIKA	14341A04A2	TCS	TCSL/CT20172326796/HYDERABAD DATE: 27/12/2018
74	NALLANA SRAVANI	14341A04A4	PIRAMAL FOUNDATION	12-01-2018
75	NATRA VASANTH	14341A04A5	GRAMA SACHIVALAYAM	9/11/19

76	NETTI LAKSHMI SAI VARAPRASAD	14341A04A6	PIRAMAL FOUNDATION	1/7/2018
77	NIMMADA SAI SIREESHA	14341A04A7	SPHERE	2/2/2018
78	NITHIN SAI PADI	14341A04A8	CGI	13-8-2018
79	PAIDI SIRISHA	14341A04B2	PIRAMAL FOUNDATION	1/7/2018
80	PAIDI SRI LAKSHMI	14341A04B3	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
81	PALAVALASA VAMSI KRISHNA	14341A04B4	SOCTRONICS TECHNOLOGIES PVT LTD	18/12/2017
82	PANIDAPU NAGA KOTESWARA RAO	14341A04B6	INFOSYS	17-1-2019
83	PATCHIPULUSU ASWINI	14341A04B8	KIOTEK	28/3/2018
84	PATNAYAKUNI DHARANI	14341A04B9	CAPGEMINI	24-6-2019
85	PATNAYAKUNI HIMABINDHU	14341A04C0	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
86	GEDELA GANESH	15345A0413	PIRAMAL FOUNDATION	1/7/2018
87	BUDITHI SAISRI	15345A0418	PIRAMAL FOUNDATION	1/7/2018
88	MAMIDI VENKATESH	15345A0419	VAYU GROUP	20/4/2018
89	DUBA SRIKANTH	15345A0420	EFFOCTRONICS	EFF/18-19/HRD/APO/118, 1-1-2019
90	ANAKAPALLI PRASANTHI	15345A0422	PIRAMAL FOUNDATION	1/7/2018
91	POTHALA PRANATHI	13341A04D4	VAYU GROUP	20/4/2018
92	PERABOTHULA UMA MAHESWARI	14341A04C2	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
93	PONDALA UDAY SHANKAR	14341A04C5	SOCTRONICS TECHNOLOGIES PVT LTD	18/12/2017
94	PONNAGANTI HEMANTH KUMAR	14341A04C7	SOCTRONICS TECHNOLOGIES PVT LTD	17-12-2017
95	POTNURE BHAVANI	14341A04C8	EPIC RESEARCH PVT LTD	26/2/2018
96	POTNURU SWATHI	14341A04C9	INNOVA SOLUTIONS	12-11-2019
97	POTTA SOWMYA	14341A04D0	TCS	OFFER LETTER, 5-11-2020
98	PRATYUSHA PATNAIK	14341A04D1	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
99	RAGHUMANDALA CHAITANYA	14341A04D5	SOCTRONICS TECHNOLOGIES PVT LTD	30-11-2017

100	RAMAN KUMAR GAUTAM	14341A04D6	LNT LIMITED	14/2/2018
101	RAVADA PRAVEENA	14341A04D7	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
102	REDDY MOUNIKA	14341A04D9	PIRAMAL FOUNDATION	1/7/2018
103	ROHIT DADI	14341A04E1	LEGATO	26-8-2019
104	SAHU SRAVANI	14341A04E4	PIRAMAL FOUNDATION	1/7/2018
105	SANKA NIKHIL	14341A04E5	L & T TECHNOLOGY	DATE 26-9-2019
106	SHAIK JABEER	14341A04E7	COGNIZANT	21-11-2018
107	SUDHEER BABU SALADI	14341A04F1	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
108	TERLI ESWARA RAO	14341A04F7	EXCELMAX TECHNOLOGIES	1-6-2021
109	TUMPUDI VEERA NAGA SAI SRI RAN	14341A04F8	BITSILICA	OFFER LETTER 9-2-2021
110	VAKALA PAVAN KUMAR	14341A04G5	CGI	13/8/2018
111	VEMMALA ABHISHEK	14341A04H2	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
112	VEMURU LAKSHMI SRUJANA	14341A04H3	FACE	21/2/2018
113	VENKATA SAI SURYA TEJA AKULA	14341A04H4	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
114	VINEETHA GANDEPALLI	14341A04H6	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
115	YERRAMILLI NARASIMHA RAVI KIRA	14341A04I0	MOTIF INDIA INFOTECH PVT. LTD.(TTEC)	1/3/2018
116	RAVADA GIRIPRASAD	15345A0427	SOCTRONICS TECHNOLOGIES PVT LTD	14 NOVEMBER 2018
117	BADAM MANIROOP	15345A0428	REDPINE SIGNALS INDIA PRIVATE LIMITED	11-NOV-20
118	SAMBANGI GAYATRIDEVI	15345A0432	LEGATO	31-12-2018

Higher Education:

A.Y: 2020-21

S.NO.	NAME OF THE STUDENT	HIGHER EDUCATION DETAILS	YEAR OF ADMISSION
1.	C. Mrudu Manasa	International Institute of Business study	2020-21
2.	Mohammad Sohail	University of Alabama at Birmingham	2020-21
3.	Ch.Latha	Dr. BR Ambedkar University	2020-21

A.Y: 2019-20

S.NO.	NAME OF THE STUDENT	HIGHER EDUCATION DETAILS	YEAR OF ADMISSION
1	CH.VIJAYALAKSHMI	MA (DISTANCE, IGNOU, NEW DELHI)	2019-20
2	P ASHA	PGDP, INDIAN INSTITUTE OF PACKAGING	2019-20
3	DUPPALAPUDI NEELIMA	M.TECH IIT KHARAGPUR	2019-20
4	BALAJI MOHANTY	M.TECH AT AU COLLEGE OF ENGINEERING, VISAKHAPATNAM	2019-20
5	T. PRATHYUSHA DEVI	PG PROGRAM IN MANAGEMENT, IIM INDORE	2019-20
6	HEMA SAI KUMAR M	M.TECH(NIT DURGAPUR)	2019-20
7	VENU GOPAL A	M.TECH (IIT RORKEE)	2019-20

A.Y: 2018-19

S.NO.	NAME OF THE STUDENT	HIGHER EDUCATION DETAILS	YEAR OF ADMISSION
1.	GANGISETTIGURU PAVAN KALYAN	MS, UNIVERSITY OF WINDSOR	2018-19
2.	MALLAVARAPU HEMA SAI KUMAR	M.TECH, NIT DURGAPUR	2018-19
3.	GAJJARAPU PRUDHVI	MS IN TEXAS A&M UNIVERSITY	2018-19
4.	VADUGURU BHARADWAJ	MS AT UNIVERSITY OF TEXAS, ARLINGTON	2018-19
5.	P RAJENDRA KUMAR	M.TECH NIT ROURKLEA	2018-19
6.	P SAI KIRAN	MS (ARIZONA STATE UNIVERSITY)	2018-19

A.Y: 2017-18

SNO	NAME OF THE STUDENT	HIGHER EDUCATION DETAILS	YEAR OF ADMISSION
1.	B RAMA KRISHNA NAIDU	MBA (DELHI TECHNICAL UNIVERSITY)	2017-18
2.	K LOKESH	MS (KU UNLEUVEN BELGIUM)	2017-18
3.	K MADHAVI	M.TECH JNTUK	2017-18
4.	S SWATHI	M.TECH VIGANAN UNIVERSITY	2017-18

ENTREPRENEURSHIP

S.NO.	NAME OF THE STUDENT	ENTREPRENEURSHIP DOMAIN/COMPANY NAME	BATCH
1	CHODAVARAPU PAVAN KUMAR	SRI LALITHA DEVI INDUSTRY	2016-20
2	T NISHANTH REDDY	SR ENTERPRISES	2015-19

4.5. Professional Activities (20)

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

A. Availability & activities of professional societies/chapters (3)

ISTE

The Indian Society for Technical Education is a national, professional, non-profit Society registered under the Indian Societies Registration Act of 1860. ISTE has an Executive Council at National level. The ISTE Student Chapter of GMRIT regularly conducts various events for the benefit of student members. It arranges technical talks by prominent speakers in different fields of engineering & technology.

IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is one of the leading professional societies focusing its contribution towards the advancement of Electronics, Telecommunication and Information Technology.

The Department of ECE, GMR Institute of Technology in collaboration with IETE conducts events to bring out the innovate talents from its students. IETE – ISF (IETE Student Forum) Student Chapter from the Department of ECE calls out for new memberships every year and the members are involved in the events that boost up the technical & presentation skills. As an outset, IETE awareness programs are conducted in the Department for more and more students to be a part of the society.

Institute of Engineers India

The Institution of Engineers (India) [IEI] is the largest multi-disciplinary professional body of engineers, established in 1920 with its Headquarters located in Kolkata. The Institution has been serving the engineering fraternity for over a Century with its national and international presence through 125 Centres spread all over India, 6 Overseas Chapters, 6 Fora and an Organ namely Engineering Staff College of India (ESCI), Hyderabad. The Institution encompasses 15 (fifteen) engineering disciplines with a Corporate membership of over 2 lakhs.

The Department of ECE in collaboration with IEI organizes events to foster the talent in the young budding engineers. IEI students chapter calls out for new memberships every year and the members are encouraged to involve in the technical events that boost up their soft skills.

B. Number, quality of engineering events (organized at institute) (2)
(Level - Institute/State/National/International)

ISTE

Academic Year	Name of the activity	Activity description	Level - Institute/ State/ National/ International	Date	No. of students participated
2021-22	Creative Fusion enhancement	Coding enhancement	Department level	10-12-2021	68
2021-22	Quiz Buzzer	Quiz with buzzer round	Department level	13-11-2021	63
2021-22	Inno Tech	Event on innovation	Department level	21-02-2021	69
2021-22	Tech Intellect	Event on technical knowledge	Department level	07-02-2021	49
2021-22	Treasure Trouse	Group activity search for things placed in different parts	Department level	28-03-2021	52
2020-21	Group Discussion	Covid-19	Department level	25-02-2021	29
2020-21	Thought Mania	Testing memory	Department level	20-03-2021	48
2020-21	GATE awareness	Higher education	Department level	22-05-2021	41
2020-21	Tech Event	Event on technical knowledge	Department level	30-05-2021	43
2020-21	Quiz Buzzer	Quiz with buzzer round	Department level	12-06-2021	42
2020-21	Code Quest	Coding test	Department level	20-06-2021	19
2019-20	Debate	Educational system	Dept. level	5-07-2019	34
2019-20	Team work	Help in future	Dept. level	26-07-2019	35
2019-20	Effects of social media	On society	Dept. level	22-08-2019	35
2019-20	Technical puzzle	sudoku	Dept. level	23-09-2019	29
2019-20	Story writing	Role model	Dept. level	11-12-2019	33
2019-20	Thought Mania	Testing memory	Dept. level	29-01-2020	94
2018-19	Seminar	GATE awareness	Dept. level	04-08-2018	56
2018-19	Debate	Indian politics	Dept. level	25-08-2018	22
2018-19	Thought mania	Testing knowledge	Dept. level	28-09-2018	35
2018-19	Seminar	5G communication	Dept. level	29-12-2018	35

2018-19	Debate	Social networks	Dept. level	23-2-2019	70
2018-19	Quiz	General awareness	Dept. level	2-3-2019	28
2017-18	Picture hunt	Testing memory	Dept. level	29-07-2017	16
2017-18	Just a Minute	Talk on topic	Dept. level	22-08-2017	19
2017-18	Essay writing	Future goal	Dept. level	02-09-2017	36
2017-18	Group discussion	Indian economy	Dept. level	28-12-2017	20
2017-18	TALKATHON	Testing knowledge	Dept. level	26-02-2018	26

IETE

Academic Year	Name of the activity	Activity description	Level - Institute/ State/ National/ International	No. of students participated
2021-22	Tech Talk Series-2	Seminar on technical topic	Institute	24
2021-22	Codeathon	Coding competition	Institute	70
2021-22	Tech spark	Event on technical knowledge	Institute	101
2021-22	Industrial visit	Visiting industries nearby college	Institute	54
2020-21	Technical Quiz	In this 3 rounds are conducted on questions related to picture perception, programming, ece subjects related. Participants are selected to the next round based on their scores. The final round is a buzzer round where the team which hits the buzzer answers the question	Institute	118
2020-21	Tech Talk Series-1	In this event the participant should talk for 5minutes on a technical topic which he/she has chosen in the registration process in front of the judges	State	88
2019-20	QR Hunt	Every participant will be given a QR code which he/she has to scan that QR code so that he will get a	Institute	86

		Technical question. He will solve the question which is a hint to the next destination. After reaching the next destination, he/she will scan another QR code which consists of a hint for the second destination. The process repeats until the participant reaches the final destination.		
2019-20	Technical Poster Presentation	The participant should prepare a poster with technical topic and he/she has to present it in front of the judges and all the other students	Institute	81

IE

Academic Year	Name of the activity	Activity description	Date	Level - Institute/ State/ National/ International	No. of students participated
2021-22	Psychometric Test	Mental ability test	23-10-2021	Institute	49
2021-22	GK Quiz	Quiz on general knowledge	13-11-2021	Institute	39
2021-22	Technical and non - technical paper presentation	Paper presentation	04-12-2021	Institute	40
2021-22	Capture the moment	Event on photography	04-02-2021	Institute	15
2021-22	Brainly	Memory based test	14-03-2021	Institute	81
2020-21	Crossword puzzle (Technical)-1	Guess the word based on row and column wise hints	06-05-2021	Institute	56

2020-21	JAM	Introduce yourself in one minute	27-06-2021	Institute	17
2020-21	Technical JAM	Technical content delivery in one minute	31-08-21	Institute	10
2020-21	Technical paper presentation	Paper presentation is to present the latest IEEE Papers	14-09-2021	Institute	10
2018-19	Guess the Word	Guess the word is by using the given clues we need to find the word.	04-08-2018	Institute	52
2018-19	Presentation Contest	Paper presentation is to present the latest IEEE Papers	11-09-2018	Institute	40
2017-18	Think Logic Make Magic	Think logic make magic is about the logical questions and riddles	29/06/2017	Institute	44

Department Organized events

Academic Year	Name of the activity	Activity description	Level - Institute/ State/ National/ International	Date	No. of students participated
2021-22	Circuit Probe	**Event on circuits**	National	29-04-2022 to 30-04-2022	33
2021-22	Robo Soccer	**Event with robos desiged by students**	National	18-12-2021 to 21-12-2021	52
2020-21	Learn Python for a Bright Career	One Week Student Development Program	National	07-09-2020 to 15-09-2020	494
2020-21	Ethical Hacking	Three days Student Development Program	National	27-08-2020 to 29-08-2020	852
2019-20	Learn Arduino Step-by-Step	Three days online	National	22-05-2020 to 24-05-2020	40

		Workshop for Students			
2019-20	Stepcone – 2020	Project Design Contest	National	31-01-2020 to 02-02-2020	150
2019-20		Robo Race Contest	National		60
2019-20		Robo Soccer	National		125
2019-20		Workshop on Lora for Smart Cities	National		108
2019-20		Fox Hunt	National		68
2019-20		Paper Presentations	National		34
2019-20		Circuit Routing	National		26
2019-20	Networking and its Applications	Seminar	Institute	05-12-2019	60
2019-20	HAM Radio and its Applications	Workshop	Institute	06-12-2019	60
2019-20	Intelligent Systems and Robotics	Workshop	Institute	17-08-2019	69
2018-19	Stepcone-2019	Paper Presentation	National	04-01-2019 to 06-01-2019	76
2018-19		Project Design Contest	National		175
2018-19		IT Design Using Cadence Pro Workshop	National		33
2018-19		IOT using Raspberry PI Workshop	National		97
2018-19		Circuit Routing	National		20
2018-19		Fox Hunt	National		25
2018-19	APSSDC-Skill Development Programe	Three Day Workshop on Scilab	National	21-09-2018 to 23-09-2018 & 31-08-2018 to 02-09-2018	150

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

A. Quality & Relevance of the contents and Print Material (3)

B. Participation of Students from the program (2)

In newsletter

A.Y:2017-2018

S.No	JNTU No	Name of the student	Title of the article
1	17341A04F6	S.Reshma	Artificial Intelligence and Neural networks
2	17341A04G5	U.Swetha	applications of AI

Editorial Board : S.Reshma (17341A04F6)

A.Y:2018-2019

S.No	JNTU No.	Name of the student	Title of the article
1	16341A0436	D. Harika	Detection of Agricultural Intrusion Using Wireless Sensor Network
2	16341A04G7	T.K.S.M Chari	Paper battery
3	16341A0435	Dhiraj Kumar Sahu	Smart Parking System

Editorial Board : Dhiraj Kumar Sahu (16341A0435)
Kalyan (16341A0430)
Pavan Verma(16341A04D1)
Deeksha (16341A0473)
Priyanka (16341A0494)

A.Y:2019-2020

S.No	JNTU No.	Name of the student	Title of the article
1	17341A0448	D.YASHIKA	Clustered Regularly Interspaced Short Palindromic Repeats
2	18341A0485	L.KOMAL VARDHAN	Transparent Resistive Random Access Memory
3	17341A0458	G.NIHARIKA	DIGITAL PAMPERING
4	17341A0460	G.THANUJA	6G-WIRELESS TECHNOLOGY

Editorial Board: K.Kalyan-16341A0467
D.Anusha-17341A0450
M.Venkatesh-17341A04C0
C.Manasa-17341A0438

A.Y: 2020-2021

S.No	JNTU No.	Name of the student	Title of the article
1	17341A04F6	SEERA RESHMA	Digital data storage in DNA
2	17341A04H6	V.SAI VAISHNAVI	Driver Gaze Detection

Editorial Board: L.KOMAL VARDHAN-18341A0485
G.NIHARIKA- 17341A0458

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

A. Events within the state (2)

A.Y: 2017-18

S.No.	Name of the Student	JNTU number	Name of the Event/Conference /journal	Name of the Organization /Institute /Publisher	Participated
1	B.JAGADEESH	16341A0425	FOLLOWER WARS	AITAM	FIRST
2	CH.BABJI	16341A0426	LINE FOLLOWER CHALLENGE	GVPCE	PARTICIPATED
3	CH.BABJI	16341A0426	PROJECT DESIGN CONTEST	GMRIT	PARTICIPATED
4	D.HARIKA	16341A0436	EMERGING TECHNOLOGIES IN COMMUNICATIONS- PPT	GMRIT	PARTICIPATED
5	D.HARIKA	16341A0436	LINE FOLLOW – ROBO CONTEST	GMRIT	PARTICIPATED
6	D.HARIKA	16341A0436	WIRELESS TECHNOLOGIES - PPT	GMRIT	PARTICIPATED
7	CH. PAVAN KALIAN	16341A0430	ARTIFICIAL INTELLIGENCE	GMRIT	PARTICIPATED
8	D.BHAVANI	16341A0438	PPT – DEMONITAIZATION	GMRIT	PARTICIPATED
9	D.HARIKA	16341A0436	BRAILLE KEYBOARD(PROJECT EXPO)	JNTUV	PARTICIPATED
10	D.HARIKA	16341A0436	EXPOZONE	GVPCE	SECOND
11	D.HARIKA	16341A0436	INTERNET OF THINGS-PPT	GMRIT	SECOND
12	D.HARIKA	16341A0436	PROJECT EXPO	JNTUV	PARTICIPATED
13	DHIRAJ KUMAR SAHU	16341A0435	ARTIFICIAL INTELLIGENCE	GMRIT	PARTICIPATED
14	DHIRAJ KUMAR SAHU	16341A0435	ELECTROZEN- TECHNICAL EVENTS	GMRIT	SECOND
15	DHIRAJ KUMAR SAHU	16341A0435	PROJECT EXPO	JNTUV	PARTICIPATED
16	DHIRAJ KUMAR SAHU	16341A0435	MOTOR SPEED USING ARDUINO – PROJECT DESIGN CONTEST	GMRIT	PARTICIPATED

17	DHIRAJ KUMAR SAHU	16341A0435	PPT	GMRIT	PARTICIPATED
18	DHIRAJ KUMAR SAHU	16341A0435	ARTIFICIAL INTELLIGENCE - PPT	JNTUV	PARTICIPATED
19	G.INDIRANI	16341A0441	OPTICAL WIRELESS COMMUNICATIONS	GMRIT	PARTICIPATED
20	G.INDRANI	16341A0441	FOLLOWER WARS	AITAM	FIRST
21	G.INDRANI	16341A0441	ROBO CONTEST – LINE FOLLOWER	GMRIT	FIRST
22	I.SARITHA	16341A0453	5G TECHNOLOGY - PPT	GMRIT	SECOND
23	I.SARITHA	16341A0453	EVENT	GMRIT	PARTICIPATED
24	K.LAVANYA	16341A0468	PAPER PRESENTATION	JNTUV	PARTICIPATED
25	N.LEKHASRI	16341A04B3	SWARM ROBOTICS – WORKSHOP	GMRIT	PARTICIPATED
26	P.RAVINDRA REDDY (	16341A04B7	INDUSTRY DEFINED PROBLEMS	GMRIT	PARTICIPATED
27	P.RAVINDRA REDDY ()	16341A04B7	BRAINWAVE CONTROL ROBOTICS	GMRIT	PARTICIPATED
28	P.SUNEETHA YAMINI	16341A04D5	BRAIN WAVE CONTROLLED ROBOTICS – ADVANCED WORKSHOP	GMRIT	PARTICIPATED
29	P.VIJAYA SWATHI	16341A04B8	BRAINWAVE CONTROL ROBOTICS	GMRIT	PARTICIPATED
30	P.VIJAYA SWATHI	16341A04B8	INDUSTRY DEFINED PROBLEMS	GMRIT	PARTICIPATED
31	SUBHASREE VIDIVADA	16341A04H4	BRAINWAVE CONTROLLED ROBOTICS – WORKSHOP	GMRIT	PARTICIPATED
32	T.KALYAN	16341A04G7	ROBO CONTEST – ROBO SOCCER	GMRIT	PARTICIPATED
33	T.KALYAN SAI MANIKANTA CHARI	16341A04G7	SWARM ROBOTICS – WORKSHOP	GMRIT	PARTICIPATED
34	T.KALYAN SAI MANIKANTA CHARI	16341A04G7	PAPER PRESENTATION	JNTUV	PARTICIPATED
35	T.KALYAN	16341A04G7	ROBO CONTEST – ROBO SOCCER	GMRIT	PARTICIPATED
36	T.KALYAN SAI MANIKANTA CHARI	16341A04G7	SWARM ROBOTICS – WORKSHOP	GMRIT	PARTICIPATED
37	T.KALYAN SAI MANIKANTA CHARI	16341A04G7	PAPER PRESENTATION	JNTUV	PARTICIPATED
38	V.SUBHASRI	16341A04H4	DEBUGGING CONTEST	GMRIT	PARTICIPATED
39	CH.PAVAN KALYAN	17345A0407	BRAILLE KEYBOARD(PROJECT EXPO)	JNTUV	PARTICIPATED
40	CH.PAVAN KALYAN	17345A0407	SIXTH SENSE TECHNOLOGY	JNTUV	PARTICIPATED
41	CH.PAVAN KUMAR	17345A0407	PROJECT EXPO	JNTUV	THIRD

42	CH.PAVAN KUMAR	17345A0407	FOLLOWER WARS	AITAM	FIRST
43	CH.PAVAN KUMAR	17345A0407	PROJECT DESIGN CONTEST – WASTE SEGREGATION USING SMART DUSTBIN	GMRIT	PARTICIPATED
44	CH.PAVAN KUMAR	17345A0407	ROBO CONTEST – LINE FOLLOWER	GMRIT	FIRST
45	U.NIKHIL SAIKUMAR	17341A04G4	EMERGING TECHNOLOGIES IN WIRELESS COMMUNICATIONS	GMRIT	PARTICIPATED

A.Y: 2018-19

S.No.	Name of the Student	JNTU number	Name of the Event /Conference /journal	Name of the Organization/ Institute/ Publisher	Participated
1	CH PAVAN KALAYAN	16341A0430	AUTONOMOUS GUIDING SYSTEM FOR BLIND	ANITS	FIRST
2	CH PAVAN KALAYAN	16341A0430	INGENIOUS DISPLAY	JNTUV	SECOND
3	CH PAVAN KALAYAN	16341A0430	BRALLE KEYBOARD GUIDING SYSTEM	JNTUV	FIRST
4	CH PAVAN KALYAN	16341A0430	SCREEN TECH TECHNOLOGY	IJAER	PARTICIPATED
5	CH PAVAN KALYAN	16341A0430	BRALLE KEYBOARD GUIDING SYSTEM	GVPCE	SECOND
6	CH PAVAN KALYAN	16341A0430	REMOTE CONTROLLED BASED FLOATING GARBAGE REMOVAL AND WATER MANAGEMENT FOR AQUA CULTURE	GMRIT	PARTICIPATED
7	CH.BABJI	16341A0426	POSTER PRESENTATION (PAPER BATTERY)	GVPCE	FIRST
8	CH.BABJI	16341A0426	PROJEKTO	GVPCE	3RD
9	D HARIKA	16341A0436	BRALLE KEYBOARD GUIDING SYSTEM	GVPCE	SECOND
10	D HARIKA	16341A0436	AUTONOMOUS GUIDING SYSTEM FOR BLIND	ANITS	FIRST
11	D NAVEEN KUMAR	16341A0437	AUTONOMOUS GUIDING SYSTEM FOR BLIND	ANITS	FIRST
12	D NAVEEN KUMAR	16341A0437	BRALLE KEYBOARD GUIDING SYSTEM	JNTUV	FIRST
13	D NAVEEN KUMAR	16341A0437	TOUCH TECHNOLOGY	JNTUV	SECOND
14	D NAVEEN KUMAR	16341A0437	NRC, PPT & ONLINE LOGO DESIGN		PARTICIPATED
15	D NAVVEN KUMAR	16341A0437	INGENIOUS DISPLAY	JNTU V	SECOND

16	B JAGADEESH	16341A0425	WASTE SEGREGATION USING SMART BIN	JNTUV	THIRD
17	B JAGADEESH	16341A0425	WORKSHOP(VERILOG)	MAVEN SILICON	PARTICIPATED
18	B KESHAV HIMA TEJA	16341A0416	LIFI	GMRIT	PARTICIPATED
19	D.BHAVANI	16341A0438	PPT(FACE DETECTION BASED ON ATM SECURITY USING EMBEDDED)	JNTUK	PARTICIPATED
20	D. HARIKA	16341A0436	SCREEN TECH TECHNOLOGY	IJAER	PARTICIPATED
21	DHIRAJ KUMAR SAHU	16341A0435	SCREEN TECH TECHNOLOGY	IJAER	PARTICIPATED
22	DHIRAJ KUMAR SAHU	16341A0435	SUPER CAPACITORS	IJAER	PARTICIPATED
23	DHIRAJ KUMAR SAHU	16341A0435	EXPO ZONE	GVPCE	SECOND
24	DHIRAJ KUMAR SAHU	16341A0435	AUTONOMOUS GUIDING SYSTEM FOR BLIND	ANITS	FIRST
25	DHIRAJ KUMAR SAHU	16341A0435	PROJECT EXPO	JNTUV	SECOND
26	DHIRAJ KUMAR SAHU	16341A0435	BRALLE KEYBOARD GUIDING SYSTEM	JNTUV	FIRST
27	G INDRANI	16341A0441	WASTE SEGREGATION USING SMART BIN	JNTUV	THIRD
28	I HEMA GAYATRI	16341A0454	ROBO SOCCER	GMRIT	PARTICIPATED
29	I HEMA GAYATRI	16341A0454	LINE FOLLOWER	GMRIT	PARTICIPATED
30	I HEMA GAYATRI	16341A0454	SMART DRIVER ALERTING SYSTEM(PDC)	JNTU V	PARTICIPATED
31	I HEMA GAYATRI	16341A0454	REMOTE CONTROLLED BASED FLOATING GARBAGE REMOVAL AND WATER MANAGEMENT FOR AQUA CULTURE	NSRIT	PARTICIPATED
32	I HEMA GAYATRI	16341A0454	A WIRELESS GAS LEAKAGE DETECTION SYSTEM	VR SIDDHARTHA	THIRD
33	IBRAHIM ZAFURULLAH KHAN	16341A0451	PROCESS FOR PRODUCT DESIGN AND ITS DEVELOPMENT	IJAER	PARTICIPATED
34	IBRAHIM ZAFURULLAH KHAN	16341A0451	WORKSHOP(IBOOT UP IOT SERIES)	AP INNOVATION SOCIETY	PARTICIPATED
35	IBRAHIM ZAFURULLAH KHAN	16341A0451	WORKSHOP(VERILOG)	MAVEN SILICON	PARTICIPATED

36	K KALYAN	16341A0487	NANO SENSORS AND ITS APPLICATIONS	GMRIT	PARTICIPATED
37	K KALYAN	16341A0487	MICROSTRIP ANTENNA	GMRIT	PARTICIPATED
38	K VINAY KUMAR	16341A0490	WIRELESS CHARGER	GMRIT	PARTICIPATED
39	K.KALYAN	16341A0487	PPT	GITAM	FIRST
40	K.NUTAN SATYA SAIRAJ	16341A0477	FM TRANSMISSION USING SINGLE BJT	GMRIT	PARTICIPATED
41	K.NUTAN SATYA SAIRAJ	16341A0477	JOY OF COMPUTING USING PYTHON	NPTEL	3RD
42	M.B.CHOWDARY	16341A04A1	FM TRANSMISSION USING SINGLE BJT	GMRIT	PARTICIPATED
43	M.DEVI PRIYANKA	16341A0494	LATEST VERSION OF TECHNOLOGY-5G	IJAER	PARTICIPATED
44	M.TEJA SAI RAJESWARI	16341A04G6	THROUGHPUT DELAY ANALYSIS OF IEEE 802.11AC WIRELESS NETWORK	IJAER	PARTICIPATED
45	M.TEJA SAI RAJESWARI	16341A04G6	THROUGHPUT DELAY ANALYSIS OF IEEE 802.11AC WIRELESS NETWORK	GMRIT	PARTICIPATED
46	N.LEKHA SRI	16341A04B3	PAVEMENT IRRESISITIBLE SENSOR SYSTEM FOR AUTOMOBILE RECOGNITION	IJAER	PARTICIPATED
47	P S YAMINI	16341A04D5	WORKSHOP(IBOOT UP IOT SERIES)	AP INNOVATION SOCIETY	PARTICIPATED
48	P SUNITHA YAMINI	16341A04D5	AN APPLICATION OF REID: VERICHIP TECHNOLOGY	GMRIT	PARTICIPATED
49	P VIJAYA SWATHI	16341A04B8	NRC, PPT	NIT WARANGAL	PARTICIPATED
50	S ABHIESH	16341A04G1	5G MOBILE COMMUNICATION	GMRIT	PARTICIPATED
51	S SRI NIDHI	16341A04E8	DESIGN AND IMPLEMENTATION OF REAL TIME HOME AUTOMATION	GMRIT	PARTICIPATED
52	S. HARISH	16341A04G0	PPT	JNTUV	FIRST
53	SK.MISHAD	16341A04F7	PPT	JNTUV	FIRST
54	T.CHINNU	16345A0412	DESIGN AND PERFORMANCE COMPARISION OF 16-BIT UT MULTIPLIER USING REVERSIBLE LOGIC	IJAER	PARTICIPATED
55	T.KALYAN SAI MANIKANTA CHARI	16341A04G7	THROUGHPUT DELAY ANALYSIS OF IEEE 802.11AC WIRELESS NETWORK	IJAER	PARTICIPATED

56	T.KALYAN SAI MANIKANTA CHARI	16341A04G7	THROUGHPUT DELAY ANALYSIS OF IEEE 802.11AC WIRELESS NETWORK	GMRIT	PARTICIPATED
57	V MANOJ	16341A04H0	PPT	JNTUV	FIRST
58	V SUBHASREE	16341A04H4	OBJECT TRACKING SENSOR NETWORK IN SMART CITIES	GMRIT	PARTICIPATED
59	S HARITHA	16341A04F4	IOT FOR SMART CITIES, PPT	NIT WARANGAL	PARTICIPATED
60	T.KALYAN SAI MANIKANTA CHARI	16341A04G7	THROUGHPUT DELAY ANALYSIS OF IEEE 802.11AC WIRELESS NETWORK	IJAER	PARTICIPATED
61	T.KALYAN SAI MANIKANTA CHARI	16341A04G7	THROUGHPUT DELAY ANALYSIS OF IEEE 802.11AC WIRELESS NETWORK	GMRIT	PARTICIPATED
62	ALAMURI VINAY	17341A0403	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
63	AMBAKANDI SHANMUKHA SRINIVAS	17341A0404	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
64	ABOTULA SUREKHA	17341A0401	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
65	ADAPA SAI KUMAR	17341A0402	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
66	ANANTARAPU AVINASH	17341A0405	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
67	ANDRA KAVYA SRI	17341A0406	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
68	ANGARA CHAITANYA NAGA VENKATASAI RAMSWARUP	17341A0407	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
69	ANNEPU ABISHEK	17341A0408	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
70	ARANGI NITISH	17341A0409	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
71	ATMAKURI SAI	17341A0413	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
72	BALIJIREDDI NAGA RAJU	17341A0415	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
73	BANANA BALA MURALI KRISHNA	17341A0416	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
74	BANDELA JNANA SRI UMA VARDHAN	17341A0417	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
75	BARATAM SAI MANIKANTA	17341A0418	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
76	BAVISETTI SAI VAMSI	17341A0420	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
77	BEHARA MOHITH KUMAR	17341A0421	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
78	BEPALA DEVI	17341A0422	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
79	BHASURU SAI NIKHIL	17341A0423	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED

80	BHEESETI SHANMUKHA MURALI KRISHNA	17341A0424	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
81	BHUPATHIRAJU MANIDEEP RAJU	17341A0425	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
82	BIJJAM SASIDHAR REDDY	17341A0426	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
83	BODDA PRANEETH	17341A0427	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
84	BODDEDA MANJUSHA	17341A0428	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
85	BOGAVILLI SAI PRAMOD	17341A0429	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
86	BOMMANA SAIJYOTHSNA	17341A0430	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
87	BONDA MOUNIKA	17341A0431	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
88	BOOSUROTHU GUPTESWARA RAO	17341A0433	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
89	BOYINA RADEESH	17341A0435	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
90	BOYINA VENU MADHAV	17341A0436	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
91	CH JAHNA SRI	17341A0441	EMERGING TECHNOLOGIES IN WIRELESS COMMUNICATION	GMRIT	PARTICIPATED
92	CH LAKSHMI PRIYA	17341A0437	AI	GMRIT	PARTICIPATED
93	CH PAVAN KUMAR	17345A0407	WASTE SEGREGATION USING SMART BIN	JNTUV	THIRD
94	CH PAVAN KUMAR	17345A0407	LIFE SAVING SMART FLOATING DEVICE(PDC)	GMRIT	PARTICIPATED
95	CH PAVAN KUMAR	17345A0407	RC BOAT FOR AQUA CULTURE	JNTU V	PARTICIPATED
96	CH PAVAN KUMAR	17345A0407	LIFE SAVING SMART FLOATING DEVICE(PDC)	JNTU V	PARTICIPATED
97	CH VIJAYA RAO	17345A0408	WASTE SEGREGATION USING SMART BIN	JNTUV	THIRD
98	CHAMARTY LAKSHMI PRIYA	17341A0437	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
99	CHERUKUPALLI MRUDU MANASA	17341A0438	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
100	CHIGITI LATHA	17341A0439	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
101	CHINTADA SAI KISHORE	17341A0440	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
102	CHIPPADA JAHNASRI	17341A0441	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
103	CHIRLA RAMA SATYANARAYANA REDDY	17341A0442	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
104	CHITTURI RAVI TEJA	17341A0443	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED

105	D SWETHA	17341A0445	WIRELESS SENSOR NETWORKS TO MONITORGREEN HOUSE GASES	GMRIT	PARTICIPATED
106	D VASAVI	17341A0452	GIFI TECHNOLOGY	GMRIT	PARTICIPATED
107	DEVADI VENKATA SAI	17341A0447	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
108	DHARMAPU YASHIKA	17341A0448	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
109	DHAVALA SANDHYA	17341A0449	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
110	DABBEERU SWETHA	17341A0444	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
111	DONTAMSETTI ANUSHA	17341A0450	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
112	DUVVU YASWANTH SAI	17341A0451	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
113	DWARAPUDI VASAVI	17341A0452	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
114	EDUPUGANTI SRIRAM	17341A0453	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
115	G NIHARIKA	17341A0458	GIFI TECHNOLOGY	GMRIT	PARTICIPATED
116	GAJULAVARTHI VANDANA	17341A0455	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
117	GARA NIHARIKA	17341A0458	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
118	GBV RAJU		LIFI	GMRIT	PARTICIPATED
119	GINIPILLI PUNYAVATHI	17341A0459	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
120	GODDU THANUJA	17341A0460	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
121	GORLE LATHA	17341A0461	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
122	JALADI HEMA SAI SARATH KUMAR	17341A0468	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
123	JAMI VINEETH KUMAR	17341A0469	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
124	JAMISETTI JYOTHIRMAYI	17341A0470	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
125	JAMPANA LAVANYA	17341A0471	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
126	JANNI SUPRAJA	17341A0472	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
127	JASWANTH SAMMETA	17341A0473	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
128	HANUMA SAI BILLAKURTHI	17341A0464	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
129	GUJJALA NAVEENKUMAR	17341A0462	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
130	GUNDU CHIRANJEEVI	17341A0463	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
131	IJJU RATNA MOHAN	17341A0465	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED

132	IPPILI CHANDRA SHEKAR	17341A0466	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
133	ITLA SAI BHARADWAJ	17341A0467	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
134	K.SAI PADMARAO	17345A0414	PAVEMENT IRRESISITIBLE SENSOR SYSTEM FOR AUTOMOBILE RECOGNITION	IJAER	PARTICIPATED
135	KADUPUKUTLA MADHUSUDANA RAO	17341A0475	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
136	KALEPU DIVYA TEJA VEERA VENKATA MANIKANTA	17341A0476	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
137	KALLURI VENKATESWARA RAO	17341A0477	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
138	KAMSU SAI KRISHNA	17341A0478	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
139	KANAKALA CHARISHMA	17341A0479	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
140	KANCHARAPU LEELA SRIDHAR	17341A0480	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
141	KARRI TEJESH	17341A0481	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
142	KASIREDDY VARA LAKSHMI PRIYANKA	17341A0482	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
143	KILLAMSETTY PRAVEEN KUMAR	17341A0483	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
144	KILLARA VEDAVYAS	17341A0484	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
145	KILLI LIKHITHA	17341A0485	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
146	KOMERA SATYANANDAM	17341A0487	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
147	KOMMABATHULA SIDDARTHA	17341A0488	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
148	KOMMALAPATI YASWANTH	17341A0489	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
149	KOMMU LAXMI SOWJANYA	17341A0490	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
150	KOSURU CHAITANYA	17341A0493	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
151	KOTA LASYA	17341A0494	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
152	KOTARU RAMA SRIKANTH	17341A0495	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
153	KOTTAKOTA SAI KIRAN	17341A0496	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
154	KOTTISA AMRUTH	17341A0497	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED

155	L. GIRI BABU	17345A0421	MICROSTRIP ANTENNA	GMRIT	PARTICIPATED
156	LANDA TITUS	17341A04A0	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
157	LAGAMSANI SAHITHI PRIYA	17341A0499	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
158	KUSUMANCHI KAMESWARI KOUSHIK	17341A0498	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
159	MADDULA AVINASH	17341A04A2	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
160	MADDULA SIREESHA	17341A04A3	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
161	MAKA NANI BABU	17341A04A4	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
162	MAKESA DILLESWARI	17341A04A5	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
163	MALLAREDDY SAI KRISHNA YASWANTH	17341A04A7	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
164	MAMMULA SRIKAR	17341A04A8	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
165	MANDA MANIKANTA	17341A04B0	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
166	MARADANA SAIKRISHNA	17341A04B2	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
167	MULLAPUDI VENKATA SITARAMA SATHVIK	17341A04B9	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
168	MUVVALA N S S R M VENKATESH	17341A04C0	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
169	MOSA PRAVALLIKA	17341A04B7	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
170	MUDADLA SAI CHANDINI	17341A04B8	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
171	NADIMPALLI NAGENDRA VARMA	17341A04C2	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
172	MYLAPALLI BHARGAVI	17341A04C1	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
173	NOKKI DURGA KALYAN	17341A04C4	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
174	NOWPADA SIREESHA	17341A04C5	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
175	P HEMANTH	17341A04D5	EMERGING TECHNOLOGIES IN WIRELESS COMMUNICATION	GMRIT	PARTICIPATED
176	P HEMANTH	17341A04D5	PPT	GMRIT	PARTICIPATED
177	P HEMANTH	17341A04D5	PPT	GMRIT	FIRST
178	PABBATHI PADMA SAI	17341A04C7	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
179	PANANGIPALLI SAI RAHUL	17341A04C9	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED

180	PATNAIKUNI SAI SURYA	17341A04D0	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
181	PERLA NIKHIL MANI RAKESH	17341A04D2	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
182	PERUGU MANOJ KUMAR	17341A04D3	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
183	PINNINTI ANUSHA	17341A04D4	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
184	PIPPALLA HEMANTH	17341A04D5	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
185	PIRIYA ASHANYA	17341A04D6	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
186	PODILAPU SRILATHA	17341A04D7	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
187	PONDURU SANTHAN	17341A04D8	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
188	PONNADA NIKHIL MANJUNADH	17341A04D9	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
189	RAVADA JAVAHARI	17341A04E1	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
190	RAVURI VENKATA SASANK	17341A04E2	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
191	RAVVA RAJ KUMAR	17341A04E3	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
192	REDDI ADI VISHNU	17341A04E4	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
193	REESU MAHESH VENKAT	17341A04E5	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
194	ROMPELLI YASWANTH	17341A04E6	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
195	RAGHU CHEEPURUPALLI	17341A04E0	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
196	P V S PRASANTH	17341A04C6	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
197	S V SURENDRA	17341A04E9	VIRTUAL REALITY	GMRIT	PARTICIPATED
198	S RESHMA	17341A04F6	AI	GMRIT	PARTICIPATED
199	SAI CHANDU LINGAMNENI	17341A04E7	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
200	SAI KUMAR MACHARLA	17341A04E8	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
201	SAKINALA VENKATA SURENDRA	17341A04E9	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
202	SANDURU SAI DEEPIKA	17341A04F2	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
203	SAPPA VINAY KUMAR	17341A04F3	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
204	SASAPU ESWARA RAO	17341A04F4	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
205	SEEPANA VANDANA	17341A04F5	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
206	SEERA RESHMA	17341A04F6	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
207	SHAIK SALEEM	17341A04F7	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED

208	SHIVA DURGA KONDI	17341A04F8	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
209	SOMU JAYANTH KUMAR REDDY	17341A04G0	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
210	SIMHADRI RAM NISANTH	17341A04F9	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
211	SV SURENDRA	17341A04E9	AI	GMRIT	PARTICIPATED
212	THAMALAPAKULA RAMU	17341A04G2	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
213	THOKALA LAKSHMI SUPRIYA	17341A04G3	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
214	TVSS VENU		5G MOBILE COMMUNICATION	GMRIT	PARTICIPATED
215	U NIKIL SAI KUMAR	17341A04G4	PPT	JNTUV	FIRST
216	U NIKIL SAI KUMAR	17341A04G4	PPT	GMRIT	FIRST
217	URITI NIKHIL SAI KUMAR	17341A04G4	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
218	URITI SWETHA	17341A04G5	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
219	VAKACHARLA CHANDRA MOULI	17341A04G6	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
220	VAMBARA MANASA	17341A04G7	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
221	VANAPALLI SHANMUKHA SAI	17341A04G8	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
222	VANDEKARI GANESH	17341A04G9	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
223	VARRA HARI MANIKANTA REDDY	17341A04H1	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
224	VASIREDDI DHEERAJ	17341A04H2	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
225	VASISTA VENKAT SAI PATNAIK	17341A04H3	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
226	VAVILAPALLI SAI KUMAR	17341A04H4	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
227	VELAGADA SUVIDHYA	17341A04H5	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
228	VEMULA SAI VAISHNAVI	17341A04H6	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
229	Y THANUSHA	17341A04H8	PPT	GVPCE	FIRST
230	YAMANA JEEEVAN KISHORE	17341A04H7	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
231	YANDRAPU THANUSHA	17341A04H8	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
232	YARAMALA SUHAS CHANDAN	17341A04H9	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED

233	D PAVAN KALYAN	18341A0435	EMERGING TECHNOLOGIES IN WIRELESS COMMUNICATION	GMRIT	PARTICIPATED
234	KUNDURU NAGA MOHAN REDDY	18345A0423	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
235	LAKKIREDDY VENKAT REDDY	18345A0421	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
236	MERAKA VENKATESH	18345A0422	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
237	Y NUTANA REDDY	18341A04G8	THROW BALL	GMRIT	FIRST
238	S MOUNIKA	19341A04F9	E WASTE MANAGEMENT	GMRIT	PARTICIPATED

A.Y: 2019-20

S.No.	Name of the Student	JNTU number	Name of the Event/Conference/journal	Name of the Organization/Institute/Publisher	Participated
1	HIMAGIRI YOGANATH	16341A0465	PPT	JNTUK	PARTICIPATED
2	K KALAYAN	16341A0487	PPT	JNTUK	PARTICIPATED
3	K LAVANAYA	16341A0468	PPT	JNTUK	PARTICIPATED
4	K VINAY KUMAR	16341A0490	PPT	JNTUK	PARTICIPATED
5	K VINAY KUMAR	16341A0490	PPT	GMRIT	PARTICIPATED
6	N V PRADEEP KUMAR	16341A04B2	INGENIOUS DISPLAY	JNTUV	PARTICIPATED
7	N V PRADEEP KUMAR	16341A04B2	PPT	JNTUK	PARTICIPATED
8	N V PRADEEP KUMAR	16341A04B2	ECG SCANNING USING SMART PHONE CASE	GMRIT	PARTICIPATED
9	P SUNEETHA YAMINI	16341A04D5	PPT	JNTUK	PARTICIPATED
10	P SUNEETHA YAMINI	16341A04D5	PPT	GMRIT	PARTICIPATED
11	P SUNITA YAMINI	16341A04D5	PPT	JNTUK	PARTICIPATED
12	PMANJU	16341A04C3	PPT	GMRIT	PARTICIPATED
13	S ABINESH	16341A04G1	PPT	GMRIT	PARTICIPATED
14	M BHAVANA	16341A0496	PPT	JNTUK	PARTICIPATED
15	SUBHASREE	16341A04H4	PPT	GMRIT	PARTICIPATED
16	V MANOJ	16341A04H0	PPT	JNTUK	PARTICIPATED
17	LAHARI CHOWDARY	16341A04A3	PPT	ANITS	PARTICIPATED
18	A SUREKHA	17341A0401	ADVANCED WORKSHOP	STEPCONE GMRIT	PARTICIPATED
19	A SUREKHA	17341A0401	INTERFACING THROUGH ARDUINO	ISTE & IETE OF ECE DEPT. GMRIT	PARTICIPATED
20	B MOHITH KUMAR	17341A0421	INTERFACING THROUGH ARDUINO	ISTE & IETE OF ECE DEPT. GMRIT	PARTICIPATED

21	CH LATHA	17341A0439	ADVANCED WORKSHOP	STEPCONE GMRIT	PARTICIPATED
22	D SANDYA	17341A0449	ADVANCED WORKSHOP	STEPCONE GMRIT	PARTICIPATED
23	D SANDYA	17341A0449	INTERFACING THROUGH ARDUINO	ISTE & IETE OF ECE DEPT. GMRIT	PARTICIPATED
24	D VASAVI	17341A0452	POSTER PRESENTATION	RAGHU COLLEGE	FIRST
25	G NIHARIKA	17341A0458	PPT	JNTUK	PARTICIPATED
26	G NIHARIKA	17341A0458	PPT	GMRIT	PARTICIPATED
27	G NIHARIKA	17341A0458	POSTER PRESENTATION	RAGHU COLLEGE	FIRST
28	GONAPA SRIYA	19341A0460	ADVANCED COMMUNICATION ENGLISH	GMRIT	PARTICIPATED
29	J JYOTHRIMAYI	17341A0470	PPT	JNTUK	PARTICIPATED
30	J JYOTHRIMAYI	17341A0470	ADVANCED WORKSHOP	STEPCONE GMRIT	PARTICIPATED
31	M BHARGAVI	17341A04C1	POSTER PRESENTATION	JNTUK	PARTICIPATED
32	M BHARGAVI	17341A04C1	PPT	JNTUK	PARTICIPATED
33	M BHARGAVI	17341A04C1	ADVANCED WORKSHOP	STEPCONE GMRIT	PARTICIPATED
34	L GIRI BABU	17345A0421	PPT	GMRIT	PARTICIPATED
35	M SAI KUMAR	17341A04E8	PDC	GMRIT	FIRST
36	M SAI KUMAR	17341A04E8	ADVANCED WORKSHOP	GMRIT	PARTICIPATED
37	P HEMATH KUMAR	17341A04D5	ROBO RACE CONTEST	GMRIT	PARTICIPATED
38	P HEMATH KUMAR	17341A04D5	ROBO SOCCER	GMRIT	PARTICIPATED
39	P SRILATHA	17341A04D7	PROGRAMMING FOR EVERYBODY	COURSERA	PARTICIPATED
40	P SRILATHA	17341A04D7	PROGRAMMING FUNDAMENTALS	COURSERA	PARTICIPATED
41	R RAJ KUMAR	17341A04E3	POSTER PRESENTATION	GVPCE	FIRST
42	R RAJ KUMAR	17341A04E3	POSTER PRESENTATION	GVPCE	PARTICIPATED
43	R YASWANTH	17341A04E6	HARDARE EXPO	ANITS	PARTICIPATED
44	R YASWANTH	17341A04E6	PPT(AUTOMATIC POWER CONTROL USING BIDIRECTIONAL VISIT COUNTING)	ANITS	PARTICIPATED
45	R YASWANTH	17341A04E6	ROBO SOCCER	IIT HYDERABAD	PARTICIPATED
46	R YASWANTH	17341A04E6	PROJECTS EXPO	JNTUK	PARTICIPATED
47	R YASWANTH	17341A04E6	POSTER PRESENTATION	JNTUK	PARTICIPATED
48	R YASWANTH	17341A04E6	PPT	JNTUK	PARTICIPATED

49	S VANDANA	17341A04F5	PPT	JNTUK	PARTICIPATED
50	S VANDANA	17341A04F5	POSTER PRESENTATION	JNTUK	PARTICIPATED
51	S VANDANA	17341A04F5	ADVANCED WORKSHOP	STEPCONE GMRIT	PARTICIPATED
52	S VINAY KUMAR	17341A04F3	HARDARE EXPO	ANITS	PARTICIPATED
53	S VINAY KUMAR	17341A04F3	ROBO RACE CONTEST	GMRIT	PARTICIPATED
54	S VINAY KUMAR	17341A04F3	ROBO SOCCER	GMRIT	PARTICIPATED
55	S VINAY KUMAR	17341A04F3	ADVANCED WORKSHOP	GMRIT	PARTICIPATED
56	S VINAY KUMAR	17341A04F3	PPT(ANTI VEHICULAR THEFT AND TRACKING)	GMRIT	PARTICIPATED
57	S VINAY KUMAR	17341A04F3	POSTER PRESENTATION	JNTUK	PARTICIPATED
58	S RESHMA	17341A04F6	PPT	JNTUK	PARTICIPATED
59	S RESHMA	17341A04F6	PAPER & PPT	RAGHU COLLEGE	FIRST
60	S RESHMA	17341A04F6	POSTER PRESENTATION	RAGHU COLLEGE	SECOND
61	U NIKHIL	17341A04G4	PPT	IIT HYD	SECOND
62	V H MANIKANTA REDDY	17341A04H1	ADVANCED WORKSHOP	STEPCONE GMRIT	PARTICIPATED
63	V SAI KUMAR	17341A04H4	ROBO SOCCER	GMRIT	PARTICIPATED
64	V SAI KUMAR	17341A04H4	ROBO FIFA	ANITS	PARTICIPATED
65	V SAI KUMAR	17341A04H4	PPT	JNTUK	PARTICIPATED
66	V SAI KUMAR	17341A04H4	ADVANCED WORKSHOP	STEPCONE GMRIT	PARTICIPATED
67	A JYOTHSNA	18341A0412	QUIZ(PHYSICS)	GOVT. OF MAHARASTHRA	PARTICIPATED
68	A JYOTHSNA	18341A0412	SOCIAL SERVICE	GMRVF	PARTICIPATED
69	A JYOTHSNA	18341A0412	FOX HUNT	GMRIT	PARTICIPATED
70	A JYOTHSNA	18341A0412	COORDINATOR OF TRANSPORTAION	GMRIT	PARTICIPATED
71	A JYOTHSNA	18341A0412	ROBO SOCCER	GMRIT	PARTICIPATED
72	A JYOTHSNA	18341A0412	CIRCUITRIX	JNTUV	PARTICIPATED
73	A JYOTHSNA	18341A0412	PREZENTARE	JNTUV	PARTICIPATED
74	A JYOTHSNA	18341A0412	FOX HUNT	GMRIT	PARTICIPATED
75	A JYOTHSNA	18341A0412	IETE	GMRIT	PARTICIPATED
76	A PAVAN	18341A0401	POSTER PRESENTATION	GMRIT	PARTICIPATED
77	ADITI LUMARI	18341A0402	ROBO SOCCER	GMRIT	PARTICIPATED
78	ADITI LUMARI	18341A0402	FOX HUNT	GMRIT	PARTICIPATED
79	ADITI LUMARI	18341A0402	TEST YOUR IQ	GMRIT	PARTICIPATED
80	ADITI LUMARI	18341A0402	IETE	GMRIT	PARTICIPATED
81	ADITI LUMARI	18341A0402	CIRCUITRIX	JNTUV	PARTICIPATED
82	ADITI LUMARI	18341A0402	PREZENTARE	JNTUV	PARTICIPATED
83	ALAMANDA SWATHI	18341A0403	IETE	GMRIT	PARTICIPATED
84	ALAMANDA SWATHI	18341A0403	TECHNICAL EVENT	GMRIT	FIRST

85	AMNSP PAVAN	18341A0401	COORDINATOR OF PRESS & MEDIA	GMRIT	PARTICIPATED
86	AMNSP PAVAN	18341A0401	IETE	GMRIT	PARTICIPATED
87	B BHARGAVI	18341A0416	PREZENTARE	JNTUV	PARTICIPATED
88	B BHARGAVI	18341A0416	CIRCUITRIX	JNTUV	PARTICIPATED
89	B BHARGAVI	18341A0416	FOX HUNT	GMRIT	PARTICIPATED
90	B BHARGAVI	18341A0416	ROBO SOCCER	GMRIT	PARTICIPATED
91	B BHARGAVI	18341A0416	IETE	GMRIT	PARTICIPATED
92	B CHITTI BABU	18341A0425	PPT	JNTUK	PARTICIPATED
93	B CHITTI BABU	18341A0425	WEIGHT LIFTING	AP STATE INTER DISTRICT	SIXTH
94	B MOUNIKA	18341A0422	SOCIAL SERVICE	GMRVF	PARTICIPATED
95	B MOUNIKA	18341A0422	PPT(WIRELESS COMMUNICATION)	GMRIT	PARTICIPATED
96	B MOUNIKA	18341A0422	INTERFACING THROUGH ARDUINO	ISTE & IETE OF ECE DEPT. GMRIT	PARTICIPATED
97	B PRADHU	18341A0424	PPT	JNTUK	PARTICIPATED
98	B PRADHU	18341A0424	LINC	GMRIT	FIRST
99	B SAI AKHIL	18341A0417	TECHNICAL QUIZ	GMRIT	PARTICIPATED
100	B SAI AKHIL	18341A0417	TECHNICAL EVENT	GMRIT	FIRST
101	B SIVA RAJESH	18341A0414	IETE	GMRIT	PARTICIPATED
102	B SIVA RAJESH	18341A0414	ROBORACE	GMRIT	PARTICIPATED
103	B SIVA RAJESH	18341A0414	CONSTITUTION OF INDIA	GMRIT	PERFORMER
104	BANDI MANOHAR	18341A0418	YOUTH EXCHANE PROGRAM	GOVT. OF AP	PARTICIPATED
105	BANDI MANOHAR	18341A0418	LINC	GMRIT	PARTICIPATED
106	BHARGAV	18341A0486	KABADDI	RAGHU	FIRST
107	CH CHURA RAM	18341A0427	DRONE VOYAGE	GMRIT	PARTICIPATED
108	CH CHURA RAM	18341A0427	PPT(RF ABD ANTENNA DESIGN)	GMRIT	PARTICIPATED
109	CH CHURA RAM	18341A0427	INTERFACING ON ARDUINO	GMRIT	PARTICIPATED
110	CH CHURA RAM	18341A0427	PPT(RURAL DEVELOPMENT)	GMRIT	FIRST
111	CH CHURA RAM	18341A0427	PPT	JNTUK	PARTICIPATED
112	CH CHURARAM	18341A0427	RURAL DEVELOPMENT (PPT)	GVPCE	FIRST
113	CH SANTOSH KUMAR	18341A0429	ROBO SOCCER	GMRIT	SECOND
114	CH SANTOSH KUMAR	18341A0429	ROBO RACE CONTEST	GMRIT	PARTICIPATED
115	CH SANTOSH KUMAR	18341A0429	PPT(RF AND ANTENNA DESIGN)	GMRIT	PARTICIPATED
116	D HARITHA	18341A0437	PPT(WIRELESS COMMUNICATION)	GMRIT	PARTICIPATED
117	D PAVAN KALYAN	18341A0435	PAPER PRESENTATION	JNTUV	PARTICIPATED
118	D PAVAN KALYAN	18341A0435	IETE	GMRIT	PARTICIPATED
119	D PAVAN KALYAN	18341A0435	YOUTH TALK	GMRIT	PARTICIPATED

120	D PAVAN KALYAN	18341A0435	MOCK UNO	GMRIT	PARTICIPATED
121	D PAVAN KALYAN	18341A0435	DRANE VOYAGE	GMRIT	PARTICIPATED
122	D PAVAN KALYAN	18341A0435	LINC	GMRIT	PARTICIPATED
123	D PAVAN KALYAN	18341A0435	PPT(RURAL DEVELOPMENT)	GVPCE	FIRST
124	D PAVAN KALYAN	18341A0435	RURAL DEVELOPMENT (PPT)	GVPCE	FIRST
125	D RAMYA SRI	18341A0433	IETE	GMRIT	PARTICIPATED
126	D RAMYA SRI	18341A0433	WORKSHOP(ANDROID APPLICATION DEVELOPMENT)	GMRIT	PARTICIPATED
127	D RAMYA SRI	18341A0433	ONLINE CONTEST	TEXAS INSTRUMENTS	PARTICIPATED
128	G AKITHA	18341A0447	TEST YOUR IQ	GMRIT	PARTICIPATED
129	G MOYER	18341A0452	BADMINTON	GC CLUB RAJAM	PARTICIPATED
130	G MOYER	18341A0452	IETE	GMRIT	PARTICIPATED
131	GOVINDA SAI MOHAN SILANTHARAJULA	18341A04E2	ANGULAR JS TO DEVELOP WEB APPS	GMRIT	PARTICIPATED
132	GUNNA SIDHARTHA	18341A0457	THE ORIGIN	AP INNOVATION VALEY	PARTICIPATED
133	GUNNA SIDHARTHA	18341A0457	PDC	GMRIT	PARTICIPATED
134	GUNNA SIDHARTHA	18341A0457	COORDINATOR OF PRESS & MEDIA	GMRIT	PARTICIPATED
135	GUNNA SIDHARTHA	18341A0457	ROBORACE	GMRIT	PARTICIPATED
136	K MANI TEJA	18341A0469	FUNDAMENTALS OF AI	GMRIT	PARTICIPATED
137	K RAVI KUMAR	18341A0464	MLH LOCAL HACK	MICROSOFT	PARTICIPATED
138	K SIREESHA	18341A0478	WORKSHOP(IOT WITH GOOGLE)	JNTUK	PARTICIPATED
139	K UMA SAI TEJA	18341A0465	ROBO RACE CONTEST	GMRIT	PARTICIPATED
140	K UMA SAI TEJA	18341A0465	ROBO SOCCER	GMRIT	PARTICIPATED
141	K UMA SAI TEJA	18341A0465	PPT	JNTUK	PARTICIPATED
142	KOLLI AJAY KUMAR	18341A0468	DESIGN CONTEST	TEXAS INSTRUMENTS	PARTICIPATED
143	M GAUTAM KUMAR	18341A0497	PPT	JNTUK	PARTICIPATED
144	M SHANMUKHA SAI VENKAT	18341A0495	FOOTBALL	JNTUK	SECOND
145	MS SAI VENKAT	18341A0495	ROBO FIFA	ANITS	PARTICIPATED
146	MS SAI VENKAT	18341A0495	ROBO RACE	GMRIT	PARTICIPATED
147	MS SAI VENKAT	18341A0495	ROBO SOCCER	GMRIT	PARTICIPATED
148	MS SAI VENKAT	18341A0495	IETE	GMRIT	PARTICIPATED
149	P GOWRI CHANDANA	18341A04B4	GENERAL QUIZ	AGILA FOUNDAION	PARTICIPATED

150	PILLA VENKATAPPA RAO	18341A04C2	PROGRAMMING IN JAVA	NPTEL	PARTICIPATED
151	PILLA VENKATAPPA RAO	18341A04C2	FUNDAMENTALS OF AI	GMRIT	PARTICIPATED
152	R HEMANTH KUMAR	18341A04D1	ROBO SOCCER	GMRIT	PARTICIPATED
153	R HEMANTH KUMAR	18341A04D1	ROBORACE CONTEST	GMRIT	PARTICIPATED
154	R HEMANTH KUMAR	18341A04D1	ROBO SOCCER	GMRIT	SECOND
155	R HEMANTH KUMAR	18341A04D1	PROJECT EXPO	GMRIT	PARTICIPATED
156	R HIMA BINDU	18341A04D1	ROBORACE	GMRIT	PARTICIPATED
157	R MADHURI	18341A04D3	PPT	JNTUK	PARTICIPATED
158	R MADHURI	18341A04D3	PPT(A NOVEL BINARY CONTENT)	GMRIT	PARTICIPATED
159	S MANIKANTA	18341A04D7	ROBO RACE CONTEST	GMRIT	PARTICIPATED
160	S MANIKANTA	18341A04D7	ROBO SOCCER	GMRIT	PARTICIPATED
161	S PAVAN SAI	18341A04D6	QUIZ (PYTHON PROGRAMMING)	CR REDDY COLLEGE	PARTICIPATED
162	S PAVAN SAI	18341A04D6	MLH LOCAL HACK	MICROSOFT	PARTICIPATED
163	SILLA RAKESH	18341A04E3	FUNDAMENTALS OF AI	GMRIT	PARTICIPATED
164	T HEMANTH	18341A04F0	PPT	GMRIT	SECOND
165	T HEMANTH KUMAR	18341A04F0	PAPER PRESENTATION	GMRIT	SECOND
166	T HEMANTH KUMAR	18341A04F0	PAPER PRESENTATION	JNTUK	SECOND
167	T SHYAM ASHSIH	18341A04F1	ROBO SOCCER	GMRIT	PARTICIPATED
168	T SHYAM ASHSIH	18341A04F1	ROBO FIFA	ANITS	PARTICIPATED
169	T SHYAM ASHSIH	18341A04F1	WORKSHOP(BASICS OF PYTHON)	GMRIT	PARTICIPATED
170	T SREEJA	18341A04E7	FUNDAMENTALS OF AI	GMRIT	PARTICIPATED
171	T SREEJA	18341A04E7	WORKSHOP(PROGRAMMING WITH MATLAB AND SIMULINK)	GMRIT	PARTICIPATED
172	TELAGATHOTI AJAY	18341A04E9	ONLINE CONTEST	TEXAS INSTRUMENTS	PARTICIPATED
173	V BHARGAV	18341A04F2	PAPER PRESENTATION	JNTUK	SECOND
174	V BHARGAV	18341A04F2	PAPER PRESENTATION	GMRIT	SECOND
175	V BHARGAV	18341A04F2	PPT	GMRIT	SECOND
176	V SOMESWARA RAO	18341A04G2	IETE	GMRIT	PARTICIPATED

177	VENIGALLA SRIVATSAVA	18341A04G0	FUNDAMENTALS OF AI	GMRIT	PARTICIPATED
178	Y NUTANA REDDY	18341A04G8	THROW BALL	THE HINDU CLUB	SECOND
179	Y NUTANA REDDY	18341A04G8	THROW BALL	KRISHNA DITRICT THROW BALL ASSOCIATION	PARTICIPATED
180	Y NUTANA REDDY	18341A04G8	ROBO SOCCER	GMRIT	PARTICIPATED
181	Y NUTANA REDDY	18341A04G8	PAPER PRESENTATION(FLYASH)	GMRIT	PARTICIPATED
182	Y PAVAN KUMAR	18341A04G9	FUNDAMENTALS OF AI	GMRIT	PARTICIPATED
183	Y RISHITHA	18341A04G7	PROJECT EXPO	GMRIT	PARTICIPATED
184	Y RISHITHA	18341A04G7	ROBO SOCCER	GMRIT	PARTICIPATED
185	Y RISHITHA	18341A04G7	FUNDAMENTALS OF AI	GMRIT	PARTICIPATED
186	DHARMANA HARITHA	18341A0437	CODEATHON	GMRIT	PARTICIPATED
187	DHARMANA HARITHA	18341A0437	PAPER PRESENTATION	JNTUV	PARTICIPATED
188	S MOUNIKA	19341A04F9	WEBINAR(NANO SATELLITE)	GMRIT	PARTICIPATED
189	G MANJU BHARGAVI	19341A0465	ROBO RACE CONTEST	GMRIT	PARTICIPATED
190	G MANJU BHARGAVI	19341A0465	WORKSHOP(LORA DEPLOYMENT FOR SMART CITIES)	GMRIT	PARTICIPATED
191	V GAYATRI	19341A04I3	BRICK BOND	GMRIT	PARTICIPATED
192	V GAYATRI	19341A04I3	WORKSHOP(IOT)	AU	PARTICIPATED
193	SISTI ANJANA	19341A04F5	WORKSHOP(IOT)	AU	PARTICIPATED
194	T YAMINI	19341A04H2	WORKSHOP(IOT)	AU	PARTICIPATED
195	Y ANIVITHA	19341A04J2	NETWORK IMPLEMENTATION	JNTUV	PARTICIPATED
196	Y ANVITHA	19341A04J2	GO KART CHAMPIONSHIP	GMRIT	PARTICIPATED
197	VGS VIVEK	19341A04H6	WORKSHOP(LORA DEPLOYMENT FOR SMART CITIES)	GMRIT	PARTICIPATED
198	VVS SREYA	19341A04H5	WORKSHOP(AI)	AU	PARTICIPATED

A.Y: 2020-21

S.No	Name of the Student	JNTU number	Name of the Event/Conference/journal	Name of the Organization/Institute/Publisher	Participated

1	B PARDHU	18341A0424	RECENT ADVANCES IN BIOMEDICAL APPLICATIONS AND COMMUNICATION NETWORKS	GMRIT	PARTICIPATED
2	C C RAM	18341A0427	ETHICAL HACKING	GMRIT	PARTICIPATED
3	D HARITHA	18341A0437	LEARN PYTHON FOR A BRIGHT CAREER	GMRIT	PARTICIPATED
4	D HARITHA	18341A0437	ETHICAL HACKING	GMRIT	PARTICIPATED
5	K MANI TEJA	18341A0469	ECDS	ENTUPLE	PARTICIPATED
6	K NAVYA MANJEERA	19341A0486	LEARN PYTHON FOR A BRIGHT CAREER	GMRIT	PARTICIPATED
7	N RAKESH	18341A04A3	PYTHON FOR DATA SCIENCE AND MINI CONTEST	GMRIT CSI STUDENT	PARTICIPATED
8	PILLA VENKATAPPA RAO	18341A04C2	FUNDAMENTALS OF IOT	ENTUPLE	PARTICIPATED
9	R MADHURI	18341A04D3	PROGRAMMING WITH MATLAB AND SIMULINK	GMRIT	PARTICIPATED
10	R VASUDEV NAIDU	18341A04D0	E QUIZ ON BE	GMRIT	PARTICIPATED
11	R VASUDEV NAIDU	18341A04D0	E QUIZ ON DE	GMRIT	PARTICIPATED
12	R VASUDEV NAIDU	18341A04D0	E QUIZ ON EMFW	GMRIT	PARTICIPATED
13	R VASUDEV NAIDU	18341A04D0	FUNDAMENTALS OF IOT	ENTUPLE	PARTICIPATED
14	S GOVINDA SAI MOHAN	18341A04E2	PROGRAMMING WITH MATLAB AND SIMULINK	GMRIT	PARTICIPATED
15	S GOVINDA SAI MOHAN	18341A04E2	LEARN PYTHON FOR A BRIGHT CAREER	GMRIT	PARTICIPATED
16	S GOVINDA SAI MOHAN	18341A04E2	INTRODUCTIUON TO AI AND ITS APPLICATION	SITM	PARTICIPATED
17	S GOVINDA SAI MOHAN	18341A04E2	ETHICAL HACKING	GMRIT	PARTICIPATED
18	S MANIKANTA	18341A04D7	PROGRAMMING WITH MATLAB AND SIMULINK	GMRIT	PARTICIPATED
19	SILLA RAKESH	18341A04E3	DE	THE INQISITIVE	PARTICIPATED
20	SILLA RAKESH	18341A04E3	FUNDAMENTALS OF IOT	ENTUPLE	PARTICIPATED

21	SILLA RAKESH	18341A04E3	BPA	BLUE PRISM	PARTICIPATED
22	SILLA RAKESH	18341A04E3	PYTHON FOR AML	TALENT SPRINT	PARTICIPATED
23	T SREEJA	18341A04E7	E QUIZ ON BE	GMRIT	PARTICIPATED
24	T SREEJA	18341A04E7	ONLINE QUIZ(BLOCK CHAIN TECHNOLOGY)	PVPSIT	PARTICIPATED
25	T SREEJA	18341A04E7	ETHICAL HACKING	KAASHIV INFOTECH	PARTICIPATED
26	T SREEJA	18341A04E7	E QUIZ ON SS	GMRIT	PARTICIPATED
27	T SREEJA	18341A04E7	E QUIZ ON EMFW	GMRIT	PARTICIPATED
28	T SREEJA	18341A04E7	E QUIZ ON DE	GMRIT	PARTICIPATED
29	T SREEJA	18341A04E7	PYTHON FOR AML	TALENT SPRINT	PARTICIPATED
30	T SREEJA	18341A04E7	PYTHON PROGRAMMING	APSSDC	PARTICIPATED
31	V SOMESH RAO	18341A04G2	PROGRAMMING WITH MATLAB AND SIMULINK	GMRIT	PARTICIPATED
32	V SOMESH RAO	18341A04G2	ETHICAL HACKING	EDU FABRICA	PARTICIPATED
33	VENIGALLA SRIVATSAVA	18341A04G0	FUNDAMENTALS OF IOT	ENTUPLE	PARTICIPATED
34	VENIGALLA SRIVATSAVA	18341A04G0	QUIZ ON EM	GNITS	PARTICIPATED
35	Y PAVAN KUMAR	18341A04G9	VERSION CONTROL	GMRIT	PARTICIPATED
36	Y PAVAN KUMAR	18341A04G9	WEBZEN 1.0	GMRIT	PARTICIPATED
37	Y PAVAN KUMAR	18341A04G9	PMAY AWAS QUIZ	GOVT OF HOUSING	PARTICIPATED
38	Y PAVAN KUMAR	18341A04G9	TECHNICAL QUIZ	CASS	PARTICIPATED
39	Y PAVAN KUMAR	18341A04G9	CRACK THE LOGIC	GMRIT	PARTICIPATED
40	Y PAVAN KUMAR	18341A04G9	E QUIZ ON DE	AITAM	PARTICIPATED
41	Y PAVAN KUMAR	18341A04G9	E QUIZ ON AC	AITAM	PARTICIPATED
42	Y PAVAN KUMAR	18341A04G9	E QUIZ ON SS	AITAM	PARTICIPATED
43	Y PAVAN KUMAR	18341A04G9	E QUIZ ON BE	AITAM	PARTICIPATED

44	Y PAVAN KUMAR	18341A04G9	PYTHON 101 FOR DATA SCIENCE	IBM DEVELOPER	PARTICIPATED
45	Y PAVAN KUMAR	18341A04G9	YOGA	GMRIT	PARTICIPATED
46	Y PAVAN KUMAR	18341A04G9	DBMS	JCEM	PARTICIPATED
47	Y PAVAN KUMAR	18341A04G9	E QUIZ ON DE	GMRIT	PARTICIPATED
48	Y PAVAN KUMAR	18341A04G9	E QUIZ ON DC	GMRIT	PARTICIPATED
49	Y PAVAN KUMAR	18341A04G9	E QUIZ ON AC	GMRIT	PARTICIPATED
50	Y PAVAN KUMAR	18341A04G9	E QUIZ ON BE	GMRIT	PARTICIPATED
51	Y PAVAN KUMAR	18341A04G9	E QUIZ ON SS	GMRIT	PARTICIPATED
52	Y PAVAN KUMAR	18341A04G9	JAVA HUNTERS	GMRIT	PARTICIPATED
53	Y RISHITHA	18341A04G7	QUIZ DE	GMRIT	PARTICIPATED
54	Y RISHITHA	18341A04G7	QUIZ EMFW	GMRIT	PARTICIPATED
55	Y RISHITHA	18341A04G7	FUNDAMENTALS OF IOT	ENTUPLE	PARTICIPATED
56	YELAMARTHY PAVAN KUMAR	18341A04G9	FUNDAMENTALS OF IOT	ENTUPLE	PARTICIPATED
57	DHARMANA HARITHA	18341A0437	QUIZ TECHNO	AITAM	PARTICIPATED
58	S MOUNIKA	19341A04F9	WEBINAR(A STEP TOWARDS PROGRAMMING)	GMRIT	PARTICIPATED
59	S MOUNIKA	19341A04F9	BPA	BLUE PRISM	PARTICIPATED
60	N GOWTHAMI	19341A04A9	LEARN PYTHON FOR A BRIGHT CAREER	GMRIT	PARTICIPATED
61	M CHONIKA	19341A04A4	LEARN PYTHON FOR A BRIGHT CAREER	GMRIT	PARTICIPATED
62	REDDY VENKATESH	19341A04D3	LEARN PYTHON FOR A BRIGHT CAREER	GMRIT	PARTICIPATED
63	REDDY VENKATESH	19341A04D3	RESEARCH TRENDS IN MODERN ELECTRONICS AND E COMMUNICATION	GMRIT	PARTICIPATED

A.Y: 2021-22

S.No	Name of the Student	JNTU number	Name of the Event/Conference/journal	Name of the Organization/Institute/Publisher	Participated
1	VNVS SAI KUMAR	19341A04I4	AI Hackathon	GMRIT	1st
2	P ANVESH VARDHAN	20341A04D9	Power Python	LUDIFU	Participated
3	NAMBURI PAVAN KUMAR	20341A04C6	CodeKaze	CODING NINJAS,	Participated
4	P TARAKESWARI	18341A04C5	Innovation for Societal Benefits Model	NSTL	2nd
5	S GOVINDA SAI MOHAN	18341A04E2	Innovation for Societal Benefits Model	NSTL	2nd
6	Y NIHITH KUMAR	18341A04H1	Innovation for Societal Benefits Model	NSTL	2nd
7	Y NUTHANA REDDY	18341A04G8	Innovation for Societal Benefits Model	NSTL	2nd
8	G MITHUN	19345A0419	Innovation for Societal Benefits Model	NSTL	2nd
9	Y YASWANTH REDDY	18341A04F6	Innovation for Societal Benefits Model	NSTL	2nd
10	M HARI CHANDANA	20341A04A5	Circuit Probe	GMRIT	Participated
11	JOSH		Circuit Probe	GMRIT	Participated
12	S VAMSI KUMAR	20341A04F9	Circuit Probe	GMRIT	Participated
13	PNVV RAM KALYAN	20341A04E6	Circuit Probe	GMRIT	Participated
14	G GUNA ADITHYA	20341A0446	Circuit Probe	GMRIT	Participated
15	V DURGA VENKATA SAI	20341A04I9	Circuit Probe	GMRIT	Participated

16	S JAYA LAXMI PRASANTH	20341A04G1	Circuit Probe	GMRIT	Participated
17	Y RAKESH	20341A04J3	Circuit Probe	GMRIT	Participated
18	J CHIRANJEEVI	21345A0416	Circuit Probe	GMRIT	Participated
19	M GOWTHAM DURGA PRASAD	21345A0413	Circuit Probe	GMRIT	Participated
20	V SAI MAHESH	20341A04I8	Circuit Probe	GMRIT	Participated
21	REVATHIPATHI DOKKARI	20341A04F3	Circuit Probe	GMRIT	Participated
22	P TARUN	21345A0410	Circuit Probe	GMRIT	Participated
23	SNRP SATYA	20341A04H2	Circuit Probe	GMRIT	Participated
24	Y AISHA	20341A04J0	Circuit Probe	GMRIT	Participated
25	R REHARIKA	20341A04E7	Circuit Probe	GMRIT	Participated
26	R GNANA PRASUNA	20341A04E8	Circuit Probe	GMRIT	Participated
27	U AKSHAYA	21345A0401	Circuit Probe	GMRIT	Participated
28	K HARSHA VARADHAN	21345A0409	Circuit Probe	GMRIT	Participated
29	S TARUN TEJA	20341A04H0	Circuit Probe	GMRIT	Participated
30	P LAXMI LALITHA	20341A04D9	Circuit Probe	GMRIT	Participated
31	S ANJANA	20341A04F5	Circuit Probe	GMRIT	Participated
32	P TAGORE SAI GOPI	20345A04A11	Circuit Probe	GMRIT	Participated

33	L MOHAN SATISH	20345A0412	Circuit Probe	GMRIT	Participated
34	N GOWTHAMI	19341A04A9	Circuit Probe	GMRIT	Participated
35	K LOKESH	19341A0475	Circuit Probe	GMRIT	Participated
36	S MOUNIKA	19341A04F9	Circuit Probe	GMRIT	Participated
37	M SURYA NARAYANA	19341A0497	Circuit Probe	GMRIT	Participated
38	R SWAPNA	19341A0415	Circuit Probe	GMRIT	Participated
39	Y SRAVANTHI	20345A0405	Circuit Probe	GMRIT	Participated
40	MVS RAKESH	19341A04A5	Circuit Probe	GMRIT	Participated
41	P UDAY KIRAN	19341A04B5	Circuit Probe	GMRIT	Participated
42	T SURESH	20341A04H5	Circuit Probe	GMRIT	Participated
43	MAJJI MEGHANA	20341A04A6	Robo Soccer	GMRIT	Participated
44	K VENKATA SAI	20341A0478	Robo Soccer	GMRIT	Participated
45	N MANOJ	20341A04C7	Robo Soccer	GMRIT	Participated
46	K SUDHARSHAN RAO	20341A0489	Robo Soccer	GMRIT	Participated
47	A UDAY KIRAN	20341A0411	Robo Soccer	GMRIT	Participated
48	M PHANI PRAVALLIKA	19341A0492	Robo Soccer	GMRIT	Participated
49	N SWEETY	19341A04A8	Robo Soccer	GMRIT	Participated

50	B BHARGAVI LAXMI	19341A0430	Robo Soccer	GMRIT	Participated
51	M CHONIIKA	19341A04A4	Robo Soccer	GMRIT	Participated
52	M JEEVANI	19341A04A0	Robo Soccer	GMRIT	Participated
53	K NAVYA MANJEERA	19341A0486	Robo Soccer	GMRIT	Participated
54	U PRUDHVI NAGA DURGESH	19341A04H3	Robo Soccer	GMRIT	Participated
55	G SRIYA	19341A0460	Robo Soccer	GMRIT	Participated
56	M SIREESHA	19341A0491	Robo Soccer	GMRIT	Participated
57	B TARUN KUMAR	19341A0414	Robo Soccer	GMRIT	Participated
58	M MUKESH	19341A0496	Robo Soccer	GMRIT	Participated
59	N SRAVYA	19341A04B0	Robo Soccer	GMRIT	Participated
60	K SIREESHA	20345A0408	Robo Soccer	GMRIT	Participated
61	K UDAY KIRAN	19341A0479	Robo Soccer	GMRIT	Participated
62	G MANJU BHARGAVI	19341A0465	Robo Soccer	GMRIT	Participated
63	B UMA MAHESWARI	19341A0434	Robo Soccer	GMRIT	Participated
64	ABHISHEK	19341A04A1	Robo Soccer	GMRIT	Participated
65	P BALAJI SATYA	19341A04B6	Robo Soccer	GMRIT	Participated
66	NSS CHAITANYA	19341A04A6	Robo Soccer	GMRIT	Participated

67	P VAMSI	19341A04B1	Robo Soccer	GMRIT	Participated
68	B MONICA	19341A0423	Robo Soccer	GMRIT	Participated
69	A VEERA MANIKANTA	19341A0402	Robo Soccer	GMRIT	Participated
70	G PRASANNA	19341A0458	Robo Soccer	GMRIT	Participated
71	B ESWAR BADRI	19341A0421	Robo Soccer	GMRIT	Participated
72	B UDAY KIRAN	19341A0422	Robo Soccer	GMRIT	Participated
73	B VIJAY GOWTHAM RAJU	19341A0428	Robo Soccer	GMRIT	Participated
74	GLS AMRUTHA VALLI	19341A0454	Robo Soccer	GMRIT	Participated
75	T ANKITHA	19341A04G4	Robo Soccer	GMRIT	Participated
76	CH SAI PRADEEP	19341A0445	Robo Soccer	GMRIT	Participated
77	R VENKATESH	19341A04D3	Robo Soccer	GMRIT	Participated
78	N GOWTHAMI	19341A04A9	Robo Soccer	GMRIT	Participated
79	CH KARTHIK	19341A0444	Robo Soccer	GMRIT	Participated
80	VGS VIVEK	19341A04H6	Robo Soccer	GMRIT	Participated
81	Y PRAVEEN	19341A04J3	Robo Soccer	GMRIT	Participated
82	V HEMU SAI	19341A04I1	Robo Soccer	GMRIT	Participated
83	P PAVAN KUMAR	19341A04B7	Robo Soccer	GMRIT	Participated

84	SWAPNA REDDY	20345A0415	Robo Soccer	GMRIT	Participated
85	A MOKSHA	19341A0403	Robo Soccer	GMRIT	Participated
86	VVS SREYA	19341A04H5	Robo Soccer	GMRIT	Participated
87	MVS RAKESH	19341A04A5	Robo Soccer	GMRIT	Participated
88	M SURYANARAYANA	19341A0497	Robo Soccer	GMRIT	Participated
89	P UDAY KIRAN	19341A04B5	Robo Soccer	GMRIT	Participated
90	P HARSHA VARDAN	19341A04B9	Robo Soccer	GMRIT	Participated
91	S ANJANA	19341A04F5	Robo Soccer	GMRIT	Participated
92	SHAIK JAVED JANI AHMAD	19341A04E9	Robo Soccer	GMRIT	Participated
93	R MEHER KIRAN	19341A04D1	Robo Soccer	GMRIT	Participated
94	CH HEMANTH KUMAR	19341A0438	Robo Soccer	GMRIT	Participated

B. Events outside the state (3)

A.Y: 2017-18

S.No	Name of the Student	JNTU number	Name of the Event/ Conference/ journal	Name of the Organization /Institute/Publisher	Participated
1	VIDIVADA SUBHA SREE	16341A04H4	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
2	VYSYARAJU HEMANTHRAJU	16341A04H7	UNDER WATER ROBOTICS	IIT BOMBAY	PARTICIPATED
3	Y V V S S A R VARMA MANTENA	16341A04H8	UNDER WATER ROBOTICS	IIT BOMBAY	PARTICIPATED
4	B. KESHAV HIMA TEJA	16341A0416	GOOGLE ANDROID DEVELOPMENT	IIT BOMBAY	PARTICIPATED

5	B.PUJITHA	16341A0412	RBI FOR IOT-WORKSHKOP	IIT MADRAS	PARTICIPATED
6	CHAPA AVINASH	16341A0428	ALL IN CLOUD	IIT BOMBAY	PARTICIPATED
7	D NAVVEN KUMAR	16341A0437	SIXTHSENSE	IIT BOMBAY	PARTICIPATED
8	I.HEMA GAYATRI	16341A0454	SIXTHSENSE	IIT BOMBAY	PARTICIPATED
9	APPALABHAKTULA VENKAT SUMANTH	16341A0406	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
10	AMBATI MANIKANTA	16341A0402	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
11	IBRAHIM ZAFURULLAH KHAN	16341A0451	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
12	IMMANDI HEMA GAYATRI	16341A0454	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
13	JUTTUKA SANKAR RAO	16341A0458	ALLIN CLOUD	IIT BOMBAY	PARTICIPATED
14	K. KALYAN	16341A0487	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
15	K.SAISREE	16341A0472	6TH SENSE ROBOTICS	IIT BOMBAY	PARTICIPATED
16	K.SURYA	16341A0466	ALL IN CLOUD	IIT BOMBAY	PARTICIPATED
17	K.SURYA	16341A0466	INTERNATIONAL YOUTH EXCHANGE PROGRAMME	IIT BOMBAY	PARTICIPATED
18	K.V.GOUTHAM SAI	16341A0482	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
19	K.VAMSI KRISHNA	16341A0483	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
20	K.VIJAY KUMAR	16341A0489	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
21	K.NAVEEN	16341A0481	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
22	KAVYA RONGALI	16341A0471	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
23	KETHA SAISREE	16341A0472	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
24	KILLARI DEEKSHA	16341A0473	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
25	KONALA DHEERAJ VARMA	16341A0475	ANDROID APP DEVELOPMENT	IIT BOMBAY	PARTICIPATED
26	KORAM NAVEEN	16341A0481	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
27	KOTA VENKATA GOWTHAM SAI	16341A0482	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
28	KOTHAPALLI VAMSIKRISHNA	16341A0483	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
29	KOTIPALLI MAHESH	16341A0484	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
30	M. BHUVANESH RAO	16341A0419	AI SUMMIT	IIT BOMBAY	PARTICIPATED
31	M.AYYAPPA KUMAR	16341A04A7	EMBEDDED SYSTEMS	IIT MUMBAI	PARTICIPATED
32	METTA ROJA	16341A04A6	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
33	MOIDA AYYAPPA KUMAR	16341A04A7	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED

34	N.LEKHASRI	16341A04B3	EMBEDDED SYSTEMS - WORKSHOP	IIT MUMBAI	PARTICIPATED
35	NIDADAVOLU LEKHA SRI	16341A04B3	EMBEDDED SYSTEMS	IIT MUMBAI	PARTICIPATED
36	P.SAI GAYATRI ()	16341A04B4	ETHICAL HACKING	IIT CHENNAI	PARTICIPATED
37	PARTHASARATHY BALAJI VENKATA RAGHUNANDAN	16341A04C0	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
38	POTHURI JAGADESWARA PAVAN KUMAR VARMA	16341A04D1	UNDER WATER ROBOTICS	IIT BOMBAY	PARTICIPATED
39	POTNURU PRASANNA LAXMI	16341A04D3	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
40	POLAKI SANTOSH	16341A04C8	UNDER WATER ROBOTICS	IIT BOMBAY	PARTICIPATED
41	POLAMURI TEJA	16341A04C9	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
42	PULAVARTHY NAGA VASU SAI MEGHANA	16341A04D7	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
43	R. KAVYA	16341A0471	6TH SENSE ROBOTICS	IIT BOMBAY	PARTICIPATED
44	RUPAK REDDY PEDINI	16341A04E4	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
45	SURAPANENI USHA KIRAN	16341A04G3	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
46	SASUBILLI GANESH VARDHAN	16341A04F1	UNDER WATER ROBOTICS	IIT BOMBAY	PARTICIPATED
47	SUBHASREE VIDIVADA	16341A04H4	SIXTHSENSE	IIT BOMBAY	PARTICIPATED
48	SRIPERAMBUDURU HARISH	16341A04G0	UNDER WATER ROBOTICS	IIT BOMBAY	PARTICIPATED
49	ANASA RISHI	16341A0403	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
50	KONALA DHEERAJ VARMA	16341A0475	ANDROID APP DEVELOPMENT	IIT BOMBAY	PARTICIPATED
51	KORAM NAVEEN	16341A0481	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
52	KUPPILI KALYAN	16341A0487	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
53	KUPPILI VIJAY KUMAR	16341A0489	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
54	KUPPILI VINAY KUMAR	16341A0490	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
55	POLAKI SANTOSH	16341A04C8	UNDER WATER ROBOTICS	IIT BOMBAY	PARTICIPATED
56	POLAMURI TEJA	16341A04C9	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
57	DUGANA SANTOSHINI	17345A0413	SIXTH SENSE	IIT BOMBAY	PARTICIPATED
58	K.BRAHMA KUMAR ()	17345A0416	6TH SENSE ROBOTICS	IIT CHENNAI	PARTICIPATED

59	K. BRAHMAKUMAR	17345A0416	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
60	KILARI BRAHMA KUMAR	17345A0416	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED
61	KOTTU SAI PADMARAO	17345A0414	EMBEDDED SYSTEMS	IIT BOMBAY	PARTICIPATED

A.Y: 2018-19

S.No	Name of the Student	JNTU number	Name of the Event/ Conference/journal	Name of the Organization /Institute/Publisher	Participated
1	T V S S VENU	16341A04G5	PPT	IIT BOMBAY	FIRST
2	USHA KIRAN	16341A04G3	PPT	IIT KHARAGPUR	FIRST
3	BALAGA PUJITHA	16341A0412	LIFI TECHNOLOGY	NIT WARANGAL	PARTICIPATED
4	N V PRADEEP	16341A04B2	NRC, PPT	NIT WARANGAL	PARTICIPATED
5	USHA KIRAN	16341A04G3	PPT	IIT KHARAGPUR	FIRST
6	S HARITHA	16341A04F4	IOT FOR SMART CITIES, PPT	NIT WARANGAL	PARTICIPATED
7	YENNI SANTOSHKUMAR	17341A04I0	WORKSHOP(SCILAB)	APSSDC	PARTICIPATED
8	T SAM ASHISH	18341A04F1	WORKSHOP(IOT USING RP)	IIT BOMBAY	PARTICIPATED

A.Y: 2019-20

S.No	Name of the Student	JNTU number	Name of the Event/Conference/journal	Name of the Organization /Institute/Publisher	Participated
1	S SRINIDHI	16341A04E8	PPT	IIT HYD	PARTICIPATED
2	S HARITA	16341A04F4	PPT	IIT HYD	PARTICIPATED
3	S HARITA	16341A04F4	PPT	IIT HYD	PARTICIPATED
4	BEHARA SAI CHARAN	18341A0420	WORKSHOP(ROBOT OPERATING SYSTEM)	IIT MADRAS	PARTICIPATED
5	V H MANIKANTA	17341A04H1	ROBO SOCCER	IIT HYDERABAD	PARTICIPATED
6	V SAI KUMAR	17341A04H4	ROBO SOCCER	IIT HYDERABAD	PARTICIPATED
7	S VANDANA	17341A04F5	BLOCK CHAIN TECHNOLOGY	IIT BOMBAY	PARTICIPATED
8	S VINAY KUMAR	17341A04F3	ROBO SOCCER	IIT HYDERABAD	PARTICIPATED
9	S SAI DEEPAK	17341A04F2	ENIGMA	IIT HYDERABAD	PARTICIPATED

10	S SAI DEEPAK	17341A 04F2	LINE FOLLOWING ROBOT	IIT HYDERABAD	PARTICIPATED
11	S SAI DEEPAK	17341A 04F2	ROBO SOCCER	IIT HYDERABAD	PARTICIPATED
12	M BHARGAVI	17341A 04C1	BLOCK CHAIN TECHNOLOGY	IIT BOMBAY	PARTICIPATED
13	BHARGAVI	18341A 0486	IOT WITH |GOOGLE ASSISTANTANCE	IIT HYD	PARTICIPATED
14	K RAVITEJA	18341A 04G1	WORKSHOP(HEXAPOD)	IIT BBSR	PARTICIPATED
15	CH SANTOSH KUMAR	18341A 0429	ROBO SOCCER	IIT HYD	PARTICIPATED
16	CH SANTOSH KUMAR	18341A 0429	PPT	IIT HYD	PARTICIPATED
17	CH SANTOSH KUMAR	18341A 0429	LINE FOLLOWING	IIT HYD	PARTICIPATED
18	K SIREESHA	18341A 0478	IOT WITH GOOGLE ASSISTANT	IIT BOMBAY	PARTICIPATED

C. Prizes/awards received in such events (5)

A.Y: 2017-18

S.NO.	NAME OF THE STUDENT	JNTU NUMBER	NAME OF THE EVENT/ CONFERENCE/JOURNAL	NAME OF THE ORGANIZATION /INSTITUTE /PUBLISHER	WINNER
1	B.JAGADEESH	16341A0425	FOLLOWER WARS	AITAM	FIRST
2	D.HARIKA	16341A0436	EXPOZONE	GVPCE	SECOND
3	D.HARIKA	16341A0436	INTERNET OF THINGS-PPT	GMRIT	SECOND
4	DHIRAJ KUMAR SAHU	16341A0435	ELECTROZEN-TECHNICAL EVENTS	GMRIT	SECOND
5	G.INDRANI	16341A0441	FOLLOWER WARS	AITAM	FIRST
6	G.INDRANI	16341A0441	ROBO CONTEST – LINE FOLLOWER	GMRIT	FIRST
7	I.SARITHA	16341A0453	5G TECHNOLOGY - PPT	GMRIT	SECOND
8	CH.PAVAN KUMAR	(17345A0407)	PROJECT EXPO	JNTUV	THIRD
9	CH.PAVAN KUMAR	(17345A0407)	FOLLOWER WARS	AITAM	FIRST
10	CH.PAVAN KUMAR	(17345A0407)	ROBO CONTEST – LINE FOLLOWER	GMRIT	FIRST

A.Y: 2018-19

S.No.	Name of the Student	JNTU number	Name of the Event /Conference /journal	Name of the Organization /Institute /Publisher	winner
1	CH PAVAN KALAYAN	16341A0430	AUTONOMOUS GUIDING SYSTEM FOR BLIND	ANITS	FIRST
2	CH PAVAN KALAYAN	16341A0430	INGENIOUS DISPLAY	JNTUV	SECOND
3	CH PAVAN KALAYAN	16341A0430	BRALLE KEYBOARD GUIDING SYSTEM	JNTUV	FIRST
4	CH PAVAN KALYAN	16341A0430	BRALLE KEYBOARD GUIDING SYSTEM	GVPCE	SECOND
5	CH.BABJI	16341A0426	POSTER PRESENTATION (PAPER BATTERY)	GVPCE	FIRST
6	CH.BABJI	16341A0426	PROJEKTO	GVPCE	3RD
7	D HARIKA	16341A0436	BRALLE KEYBOARD GUIDING SYSTEM	GVPCE	SECOND
8	D HARIKA	16341A0436	AUTONOMOUS GUIDING SYSTEM FOR BLIND	ANITS	FIRST
9	D NAVEEN KUMAR	16341A0437	AUTONOMOUS GUIDING SYSTEM FOR BLIND	ANITS	FIRST
10	D NAVEEN KUMAR	16341A0437	BRALLE KEYBOARD GUIDING SYSTEM	JNTUV	FIRST
11	D NAVEEN KUMAR	16341A0437	TOUCH TECHNOLOGY	JNTUV	SECOND
12	D NAVVEN KUMAR	16341A0437	INGENIOUS DISPLAY	JNTU V	SECOND
13	B JAGADEESH	16341A0425	WASTE SEGREGATION USING SMART BIN	JNTUV	THIRD
14	DHIRAJ KUMAR SAHU	16341A0435	EXPO ZONE	GVPCE	SECOND
15	DHIRAJ KUMAR SAHU	16341A0435	AUTONOMOUS GUIDING SYSTEM FOR BLIND	ANITS	FIRST
16	DHIRAJ KUMAR SAHU	16341A0435	PROJECT EXPO	JNTUV	SECOND
17	DHIRAJ KUMAR SAHU	16341A0435	BRALLE KEYBOARD GUIDING SYSTEM	JNTUV	FIRST
18	G INDRANI	16341A0441	WASTE SEGREGATION USING SMART BIN	JNTUV	THIRD
19	I HEMA GAYATRI	16341A0454	A WIRELESS GAS LEAKAGE DETECTION SYSTEM	VR SIDDHARTHA	THIRD
20	K.KALYAN	16341A0487	PPT	GITAM	FIRST
21	K.NUTAN SATYA SAIRAJ	16341A0477	JOY OF COMPUTING USING PYTHON	NPTEL	3RD
22	S. HARISH	16341A04G0	PPT	JNTUV	FIRST
23	SK.MISHAD	16341A04F7	PPT	JNTUV	FIRST
24	V MANOJ	16341A04H0	PPT	JNTUV	FIRST

25	CH PAVAN KUMAR	17345A0407	WASTE SEGREGATION USING SMART BIN	JNTUV	THIRD
26	CH VIJAYA RAO	17345A0408	WASTE SEGREGATION USING SMART BIN	JNTUV	THIRD
27	P HEMANTH	17341A04D5	PPT	GMRIT	FIRST
28	U NIKIL SAI KUMAR	17341A04G4	PPT	JNTUV	FIRST
29	U NIKIL SAI KUMAR	17341A04G4	PPT	GMRIT	FIRST
30	Y THANUSHA	17341A04H8	PPT	GVPCE	FIRST
31	Y NUTANA REDDY	18341A04G8	THROW BALL	GMRIT	FIRST
32	T V S S VENU	16341A04G5	PPT	IIT BOMBAY	FIRST
33	USHA KIRAN	16341A04G3	PPT	IIT KHARAGPUR	FIRST
34	USHA KIRAN	16341A04G3	PPT	IIT KHARAGPUR	FIRST

A.Y: 2019-20

S.No.	Name of the Student	JNTU number	Name of the Event /Conference /journal	Name of the Organization /Institute/Publisher	winner
1	D VASAVI	17341A0452	POSTER PRESENTATION	RAGHU COLLEGE	FIRST
2	G NIHARIKA	17341A0458	POSTER PRESENTATION	RAGHU COLLEGE	FIRST
3	M SAI KUMAR	17341A04E8	PDC	GMRIT	FIRST
4	R RAJ KUMAR	17341A04E3	POSTER PRESENTATION	GVPCE	FIRST
5	S RESHMA	17341A04F6	PAPER & PPT	RAGHU COLLEGE	FIRST
6	S RESHMA	17341A04F6	POSTER PRESENTATION	RAGHU COLLEGE	SECOND
7	U NIKHIL	17341A04G4	PPT	IIT HYD	SECOND
8	ALAMANDA SWATHI	18341A0403	TECHNICAL EVENT	GMRIT	FIRST
9	B CHITTI BABU	18341A0425	WEIGHT LIFTING	AP STATE INTER DISTRICT	SIXTH
10	B PRADHU	18341A0424	LINC	GMRIT	FIRST
11	B SAI AKHIL	18341A0417	TECHNICAL EVENT	GMRIT	FIRST
12	B SIVA RAJESH	18341A0414	CONSTITUTION OF INDIA	GMRIT	PERFORMER
13	BHARGAV	18341A0486	KABADDI	RAGHU	FIRST
14	CH CHURA RAM	18341A0427	PPT(RURAL DEVELOPMENT)	GMRIT	FIRST
15	CH CHURARAM	18341A0427	RURAL DEVELOPMENT (PPT)	GVPCE	FIRST
16	CH SANTOSH KUMAR	18341A0429	ROBO SOCCER	GMRIT	SECOND

17	D PAVAN KALYAN	18341A0435	PPT(RURAL DEVELOPMENT)	GVPCE	FIRST
18	D PAVAN KALYAN	18341A0435	RURAL DEVELOPMENT (PPT)	GVPCE	FIRST
19	M SHANMUKHA SAI VENKAT	18341A0495	FOOTBALL	JNTUK	SECOND
20	R HEMANTH KUMAR	18341A04D1	ROBO SOCCER	GMRIT	SECOND
21	T HEMANTH	18341A04F0	PPT	GMRIT	SECOND
22	T HEMANTH KUMAR	18341A04F0	PAPER PRESENTATION	GMRIT	SECOND
23	T HEMANTH KUMAR	18341A04F0	PAPER PRESENTATION	JNTUK	SECOND
24	V BHARGAV	18341A04F2	PAPER PRESENTATION	JNTUK	SECOND
25	V BHARGAV	18341A04F2	PAPER PRESENTATION	GMRIT	SECOND
26	V BHARGAV	18341A04F2	PPT	GMRIT	SECOND
27	Y NUTANA REDDY	18341A04G8	THROW BALL	THE HINDU CLUB	SECOND

A.Y: 2021-22

S.No.	Name of the Student	JNTU number	Name of the Event /Conference /journal	Name of the Organization /Institute/Publisher	winner
1	VNVS SAI KUMAR	19341A04I4	AI Hackathon	GMRIT	1st
2	P TARAKESWARI	18341A04C5	Innovation for Societal Benefits Model	NSTL	2nd
3	S GOVINDA SAI MOHAN	18341A04E2	Innovation for Societal Benefits Model	NSTL	2nd
4	Y NIHITH KUMAR	18341A04H1	Innovation for Societal Benefits Model	NSTL	2nd
5	Y NUTHANA REDDY	18341A04G8	Innovation for Societal Benefits Model	NSTL	2nd
6	G MITHUN	19345A0419	Innovation for Societal Benefits Model	NSTL	2nd
7	Y YASWANTH REDDY	18341A04F6	Innovation for Societal Benefits Model	NSTL	2nd

CRITERION 5

Faculty Information and Contributions 200

Sl.no	Name fo the faculty	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.G.Nooka Raju	AFTPG2153E	ME/M.Tech and Ph.D	Image Processing	Assistant Professor	30-11-2016		Yes	Regular		
2	Dr.G.Anantha Rao	AYMPG8789N	ME/M.Tech and Ph.D	Image Processing	Assistant Professor	01-06-2018		Yes	Regular		
3	Dr.Arun Sekar R	AZYPA0150A	ME/M.Tech and Ph.D	Low Power VLSI Design	Assistant Professor	16-07-2018		No	Regular		29-06-2022
4	Mr. M.Venkatesh	AQFPM3764Q	M.E/M.Tech	Power Electronics & Drives	Assistant Professor	15-06-2012		Yes	Regular		
5	Ms. S.Sharmila	FBGPS2263R	MBA	HR & Marketing	Assistant Professor	27-08-2015		No	Regular		31-07-2022
6	Dr.Chandrasekhar Das	AXJPD1200F	ME/M.Tech and Ph.D	VLSI System Design	Assistant Professor	21-12-2020		No	Regular		06-07-2021
7	Mr.O.Kishore	ABGPO4094D	M.E/M.Tech	System and Signal Processing	Assistant Professor	15-06-2012		No	Regular		02-05-2020
8	Mr.L.Srikanth	AKUPL8664K	M.E/M.Tech	VLSI System Design	Assistant Professor	26-10-		No	Regular		05-05-2020

						2016					
9	Mr.K.Satya Kiran	BXFPK7916N	M.E/M.Tech	VLSI & Embedded Systems	Assistant Professor	02-02-2016		No	Regular		30-04-2020
10	Dr.M.V. Nageswara Rao	AFEPM5515R	ME/M.Tech and Ph.D	Radar Signal Processing	Professor	11-11-2005	11-11-2005	Yes	Regular		
11	Dr. V. Jagan Naveen	AENPV5641P	ME/M.Tech and Ph.D	Communication Engineering	Professor	14-08-2001	15-05-2017	Yes	Regular		
12	Dr.V.Kannan	AKGPK2834C	ME/M.Tech and Ph.D	Electronics	Professor	15-05-2017	15-05-2017	No	Regular		30-06-2022
13	Dr.M.Kathirvelu	APIPK7766E	ME/M.Tech and Ph.D	VLSI System Design	Professor	29-05-2017	29-05-2017	No	Regular		30-04-2020
14	Dr. Ravi Shankar Sexena	BMUPS2717R	ME/M.Tech and Ph.D	Optoelectronic Devices	Professor	28-05-2018	28-05-2018	Yes	Regular		
15	Dr.Yogesh Mishra	ALDPM1661R	ME/M.Tech and Ph.D	Fuzzy Logic	Professor	02-07-2018	02-07-2018	Yes	Regular		
16	Dr. T. Prabhakar	ADDPT0707H	ME/M.Tech and Ph.D	Image Processing	Professor	11-03-2002	01-08-2022	Yes	Regular		
17	Dr. Govinda Rao Locharla	AMOPG2222Q	ME/M.Tech and Ph.D	VLSI Signal Processing	Associate Professor	11-11-2008	01-05-2018	Yes	Regular		
18	Dr.M.P.Srinivasa Rao	AHZPM5869R	ME/M.Tech and Ph.D	Nano Technology	Professor	18-01-2010	04-01-2019	Yes	Regular		

19	Dr. A. Sudhakar	AGVPA8031A	ME/M.Tech and Ph.D	Microstrip Antennas	Associate Professor	21-02-2011	01-08-2017	Yes	Regular		
20	Dr.TVS Diwakar	AHSPT9143Q	ME/M.Tech and Ph.D	microwave antenna	Associate Professor	05-08-2016	01-08-2017	Yes	Regular		
21	Dr. Ch. Babji Prasad	ASWPC8626N	ME/M.Tech and Ph.D	Wireless Communication	Associate Professor	29-10-2020		Yes	Regular		
22	Dr. G.B.S.R. Naidu	AEWPN8195F	ME/M.Tech and Ph.D	Wireless Communication	Assistant Professor	16-03-2006		Yes	Regular		
23	Mr. D. Venkata Ramana	AFGPV2260Q	M.E/M.Tech	VLSI System Design	Assistant Professor	05-10-2007		No	Regular		30-04-2022
24	Dr. K. Krishna Kishore	BDTPK0154N	ME/M.Tech and Ph.D	Wireless Communication	Associate Professor	21-08-2008	01-08-2022	Yes	Regular		
25	Mrs. S. Sri Durga Kameswari	BNRPS3083G	M.E/M.Tech	Digital Electronics and Communication Systems	Assistant Professor	23-08-2008		Yes	Regular		
26	Dr. J. Venkata Suman	ALPPJ3251J	ME/M.Tech and Ph.D	Radar Signal Processing	Assistant Professor	11-05-2009		Yes	Regular		
27	Dr. B. Anil Kumar	ATEPB6476C	ME/M.Tech and Ph.D	Embedded Systems	Assistant Professor	11-05-2009		Yes	Regular		
28	Dr. D. Srinivasa Rao	AVFPD4108E	ME/M.Tech and Ph.D	Communication Engineering	Assistant Professor	11-05-2009		Yes	Regular		

29	Dr. K. Chiranjeevi	AHMPC0011E	ME/M.Tech and Ph.D	Image Processing	Assistant Professor	22-11-2010		Yes	Regular		
30	Dr. P. Ravi Kumar	ASPPP8258A	ME/M.Tech and Ph.D	microwave antenna	Assistant Professor	22-11-2010		Yes	Regular		
31	Dr. D .Suresh	AXQPD7055B	ME/M.Tech and Ph.D	System and Signal Processing	Assistant Professor	29-11-2010		Yes	Regular		
32	Dr. G.Suresh	ALAPG0171H	ME/M.Tech and Ph.D	ECE	Assistant Professor	18-07-2011		No	Regular		31-01-2022
33	Dr.N.V.Lalitha	ALYPN1268J	ME/M.Tech and Ph.D	Audio Signal Processing	Assistant Professor	10-08-2011		No	Regular		31-01-2022
34	Mr. B.M.S.Sreenivasa Rao	BLLPB3270N	M.E/M.Tech	Radar and Microwave Engineering	Assistant Professor	18-06-2012		Yes	Regular		
35	Mr.T.Govinda Rao	AJOPT2007M	M.E/M.Tech	VLSI System Design	Assistant Professor	15-05-2013		No	Regular		07-07-2022
36	Mr. P.Kalyanchakravarthi	BRPPP1089M	M.E/M.Tech	Telematics and Signal Processing	Assistant Professor	15-05-2013		Yes	Regular		
37	Mr.S.Phanindra	FJYPS2268L	M.E/M.Tech	Control Systems	Assistant Professor	20-06-2018		No	Regular		05-10-2019
38	Dr.G.Manmadha Rao	AJNPG8486C	ME/M.Tech and Ph.D	Radar Signal Processing	Professor	09-06-2005	01-09-2016	No	Regular		30-04-2019
39	Mr.Ch.Kalyan Chakravarthy	AXFPC9424Q	M.E/M.Tech	VLSI System Design	Assistant Professor	24-05-2013		No	Regular		30-04-2019

40	Mr.B.Santosh Kumar	BGLPB5236R	M.E/M.Tech	Digital Electronics and Communication Systems	Assistant Professor	04-11-2016		No	Regular		15-06-2019
41	Mrs.B.Sruthi Reddy	ANBPB1412H	MS	ECE	Assistant Professor	17-11-2016		No	Regular		06-05-2019
42	Dr. T. Geethamma	AKHPG9377R	ME/M.Tech and Ph.D	Image Processing	Associate Professor	01-04-2004	01-08-2022	Yes	Regular		
43	Dr.M.Azees	BZJPA9809E	ME/M.Tech and Ph.D	Network Security & Wireless Sensor Networks	Assistant Professor	04-05-2019		No	Regular		01-05-2020
44	Mr.M.Balakrishna	BNWPM7584B	M.E/M.Tech	Communication Engineering	Assistant Professor	11-06-2014		Yes	Regular		
45	Mr.P.V.Murali Krishna	CPLPP7008F	M.E/M.Tech	Embedded Systems & VLSI Design	Assistant Professor	11-06-2014		Yes	Regular		
46	Dr. A. Sivasangari	CNFPS8826N	ME/M.Tech and Ph.D	Image Processing	Associate Professor	27-05-2016	01-08-2022	Yes	Regular		
47	Mr.Bhargav Nagaraju	BDOPN9457J	M.E/M.Tech	Signal and Image processing	Assistant Professor	10-12-2016		No	Regular		10-10-2021

5.1. Student-Faculty Ratio (SFR) (20)

UG

No. of UG Programs in the Department: 01

Electronics and Communication Engineering								
Year of Study	(2021-22)		CAY (2020-21)		CAYm1 (2019-20)		CAYm2 (2018-19)	
	Sanction Intake	Actual Admitted through lateral entry students	Sanction Intake	Actual Admitted through lateral entry students	Sanction Intake	Actual Admitted through lateral entry students	Sanction Intake	Actual Admitted through lateral entry students
2nd Year	180	18	180	18	180	23	180	25
3rd Year	180	31	180	23	180	25	180	22
4th Year	180	17	180	25	180	22	180	35
Sub-Total	540	66	540	66	540	70	540	82
Total	606		606		610		622	
Grand Total	**606**		**606**		**610**		**622**	

PG

No. of PG Programs in the Department: 01

VLSI and Embedded Systems Design				
Year of Study	(2021-22)	CAY (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)
	Sanction Intake	Sanction Intake	Sanction Intake	Sanction Intake
1st Year	18	18	18	18
2nd Year	18	18	18	18
Total	36	36	36	36
Grand Total	**36**	**36**	**36**	**36**

SFR

No. of UG Programs in the Department: 01

No. of PG Programs in the Department: 01

Description	(2021-22)	CAY (2020-21)	CAYm1 (2019-20)	CAYm2(2018-19)
Total No. of Students in the Department (S)	UG + PG Total 606 + 36 = 642	UG + PG Total 606 + 36 = 642	UG + PG Total 610 + 36 = 646	UG + PG Total 622 + 36 = 658
No. of Faculty in the Department (F)	F1 34	F2 36	F3 39	F4 43
Student Faculty Ratio (SFR)	18.88 SFR1 = S1 / F1	17.83 SFR2 = S2 / F2	16.56 SFR3 = S3 / F3	15.3 SFR3=S4/F4
Average SFR	= 17.76	**SFR = (SFR1 + SFR2 + SFR3) / 3**		
F= Total Number of Faculty Members in the Department (excluding first year faculty)				

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 (2021-22)	**34**	**0**
CAY (2020-21)	**36**	**0**
CAY (2019-20)	**39**	**0**
CAY(2018-19)	**43**	**0**

Average SFR for three assessment years: 17.76
Assessment SFR: 16

5.2. Faculty Cadre Proportions (20)

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
(2021-22)	3	6	7	5	21	23
CAY(2020-21)	3	6	7	5	21	25
CAYm1 (2019-20)	3	7	7	4	21	28
CAYm2(2018-19)	3	7	7	5	21	31
Average Numbers	3	6.33	7	4.67	21	26.33

Cadre Ratio Marks = [(AF1/RF1) + [(AF2/RF2)*0.6] + [(AF3/RF3)*0.4]] *10: 30.**13**

2.11 + 0.40 + 0.50

5.3. Faculty Qualification (20)

	X	Y	F	Faculty Qualification = 2 * [(10X + 4Y) / F)]
2021-22	26	8	32	18.25
2020-21 (CAY)	24	12	32	18
2019-20 (CAYm1)	20	19	32	17.25
2018-19(CAYm2)	14	29	32	16

Average Assessment: 17.83

5.4. Faculty Retention (10)

Description	2019-20(CAYm1)	2020-21 (CAY)	2021-22
No. of Faculty Retained	**36**	**34**	**34**
Total No. of Faculty	**43**	**43**	**43**
% of Faculty Retained	**84**	**79**	**79**

Average: 80.66

Assessment Marks: 8

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

Program specific criteria as suggested by IEEE the lead society for Electronics and communication Engineering (ECE), the curriculum must include the following

- Probability and Statistics, including applications appropriate to the ECE Program
- Mathematics through differential and integral calculus.
- Sciences (Chemical and physical sciences).
- Engineering Concepts necessary to analyse and design complex electrical and electronic devices, software, and systems containing hardware and software components

• Probability and Statistics, including applications appropriate to the ECE Program.

Concepts of Probability theory & stochastic process and their applications in Signal processing, Wireless communication, and Radar signal detection etc., correlated with faculty competencies as follows

PSC suggested by IEEE	Correlated Courses	Name of the faculty	Specialisation
Probability and Statistics	Random Variables & Stochastic Processes (RVSP)	Dr.D.Srinivasa Rao	Communication Systems
		Dr. G.B.S.R.Naidu	Wireless Communications
		Dr. V.Jagan Naveen	Communications
	Complex Variables	Dr.R.Lakshun Naidu	Relativity and Cosmology
		Dr.M.Varun Kumar	Biomechanics
		Dr.P.Sumati Kumari	Fixed Point Theory and Applications

• **Mathematics through differential and integral calculus.**

Concepts of differential and integral calculus and their applications in Electromagnetic Fields and Waves, Antennas and Wave Propagation, Electronic Circuit Analysis, VLSI System Design, Signal Processing and Microwave engineering etc., correlated with faculty competencies as follows

PSC suggested by IEEE	**Correlated Courses**	**Name of the faculty**	**Specialisation**
Mathematics through differential and integral calculus	Mathematics –I, Engineering Mathematics –II, Computational Mathematics	Dr.R.Lakshun Naidu	Relativity and Cosmology
		Dr.M.Varun Kumar	Biomechanics
		Dr.P.Sumati Kumari	Fixed Point Theory and Applications

• **Sciences (Chemical and physical sciences).**

Concepts of Chemical and physical sciences and their applications in Chemical and physical sciences correlated with faculty competencies as follows

PSC suggested by IEEE	**Correlated Courses**	**Name of the faculty**	**Specialisation**
Sciences (Chemical and physical sciences)	Chemical and Physical Sciences	Dr.K.Koteswara Rao	Sold State Chemistry
		Dr.D.Tejeswara Rao	Organic Chemistry
		Dr.M.V Subba Rao	Physical Chemistry
		Dr.M.Lakshmi Prasad	Creep Testing of Steel
		Dr.M.P.Srinivasa Rao	Photonics
		Dr.A.Rambabu	Thin films

- **Engineering Concepts necessary to analyse and design complex electrical and electronic devices, software, and systems containing hardware and software components**

The Courses offered to analyse and design complex electrical and electronic devices, software, and systems are grouped into five clusters namely, VLSI and Signal Processing, Embedded Systems, Image Processing, Antennas and Wireless Communication.

Faculty Competencies correlated with the above cited clusters along with their specializations, patents filed, research publications, FDP, workshop, conferences attended, and products developed in specific domains are shown below.

VLSI and Signal Processing:

PSC suggested by IEEE	**Correlated Courses**	**Name of the faculty**	**Specialisation**
VLSI and Signal Processing	Pulse and Digital Circuits, Digital Electronics, Electronic Circuit Analysis, Electronic Devices and Circuits, VLSI Design, Electronic Design Automation using HDL, Digital Signal Processing	Dr. M.V.Nageswara Rao	VLSI and Signal Processing
		Dr. V. Kannan	Electronics
		Dr. L. Govinda Rao	VLSI Signal Processing
		Mr. D.V.Ramana	VLSI Sytem Design
		Dr. J.Venkata Suman	VLSI and Radar Signal Processing
		Mr. T.Govinda Rao	VLSI Sytem Design
		Mr. P.Kalyanchakravarthi	TSP
		Mr. P.V.Murali krishana	Embedded Systems & VLSI Design
		Dr. R. Arun Sekar	Low Power VLSI Design
		Dr.M.P.Srinivasa Rao	Photonics

Embedded Systems:

PSC suggested by IEEE	Correlated Courses	Name of the faculty	Specialisation
Embedded Systems	Embedded Systems, Microprocessors and Microcontrollers	Dr. Yogesh Mishra	Fuzzy Logic
		Dr. B.Anil Kumar	Embedded Systems

Image Processing:

PSC suggested by IEEE	Correlated Courses	Name of the faculty	Specialisation
Image Processing	Digital Image Processing, Bio medical Signal Processing, Signals and Systems, Digital Signal Processing	Dr. T.Prabhakar	Image Processing
		Mrs. S Sri Durga Kameswari	Digital Electronics and Communication Systems
		Dr. K. Chiranjeevi	Image Processing
		Mr. G.Suresh	ECE
		Dr. N.V.Lalitha	Audio Signal Processing
		Dr. A. Siva Sangari	Image Processing
		Mr. N. Bhargav	SIP
		Dr. G Anantha Rao	Image Processing
		Dr. T.Geetamma	Image Processing

Antennas:

PSC suggested by IEEE	Correlated Courses	Name of the faculty	Specialisation
Antennas	Electromagnetic Fields, Antennas and Wave Propagation, Microwave Engineering	Dr. A.Sudhakar	Microstrip Antennas
		Dr. TVS. Divakar	Antennas
		Dr. P Ravi Kumar	Anntenas
		Mr. B.M.S Sreenivasa Rao	Radar and Microwave Engineering

Wireless Communication:

PSC suggested by IEEE	Courses Offered	Name of the faculty	Specialisation
Wireless Communication	Analog and Digital Communications, Cellular and Mobile Communication, Satellite Communication, Wireless Sensor Networks	Dr. V.Jagan Naveen	Communications
		Dr. Ch.Babji Prasad	Wireless Communication
		Dr. K.Krishna Kishore	Wireless Communication
		Dr. D.Srinivasa Rao	Communication Systems
		Mr. D Suresh	System and Signal Processing
		Mr. M. Balakrishana	Communication Engineering
		Dr. G. Nooka Raju	Wireless Communication
		Dr. Ravi Shankar Saxena	Optoelectronic Devices
		Dr.M.Azees	Network Security & Wireless Sensor Netwroks

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

Teaching Effectiveness can be brought by understanding the models of instructions that capture, delineate, and transfer the knowledge from Faculty members to the learners. These involve a deep understanding of subject matter, planning, classroom instructional strategies, assessment of understanding of students and analysis of learning outcomes.

The faculty, towards inculcating innovative means in Teaching and Learning are clearly elucidated both in our records and in the Institute website for peer reviews and critiques. Our methodologies are open for enhancement. Some of our innovative methods are Cohesive Teaching Learning Practices (CTLP), Flipped Learning, ICT tools, Activity based learning, Tutorial sessions especially for analytical and programming subjects, Innovative assignments, Integrated Courses, Project-based learning, Value Added Courses, Online courses, technical presentation, Weekend Activities, Industrial Trainings etc.

The following are the best practices by the faculty in Teaching and learning:

Cohesive Teaching Learning Practices (CTLP)

CTLP facilitate the teacher to prepare and deliver the curriculum with two-dimensional mapping between the cognitive learning levels (Remember, Understand, Apply, Analyze, Evaluate, Create) and Knowledge Dimension (Factual, Conceptual, Procedural and Metacognitive). The teacher prepares all lecture notes with 2-Dimensional mapping. This enables the teacher to initiate lifelong learning whereby each topic of discussion is related to various cognitive skills. Some of the key elements of CLTP includes

- Intended Learning Outcomes
- Evocation
- Deliverables
- Keywords
- Sample Questions
- Stimulating Questions
- Mind Map

Web Link to the GMRIT CTLP web page: http://117.239.50.211/wbc/index.aspx

Video courses to promote the Blended Learning

To promote the Blended learning, students are provided with opportunities for online self-paced learning (video lectures, e-resources) and Proctored online classes along with the regular classroom teaching.

Web Link to the LAN portal: http://172.30.4.23/vbc/ece/ece.aspx

ICT tools

Faculty are well versed with the usage of ICT tools such as Graphic tablets, Projector, Active-pen, Interactive projectors, etc., to facilitate easy learning and to present the information in different interactive modes. This visually attractive method of teaching becomes appealing to students. The students can easily relate the concepts with the animated visuals and the audio-visual senses of students are targeted to grab the information effectively.

Activity based learning

Co-curricular and extracurricular activities are conducted every weekend to motivate the students and to improve problem solving capabilities, leadership abilities, co-operation in teamwork, consciousness in professional ethics and administering critical situations. These activities include Webinar, Aptitude Training, Social Welfare Camp, Problem solving, Entrepreneurship Development Programs, Critical Thinking, Group Discussion. etc.

Tutorial sessions for Analytical and Programming subjects

Tutoring programs can help the students to develop study and learning skills that will help set up for their lifetime success. There are many advantages of tutoring services:

Individual and unique learning experience, One-on-one attention, improves academic performance, improves attitude towards learning, encourages self-paced and self-directed learning, improves self-esteem and confidence, encourages independence and responsibility, helps overcome learning obstacles and encourages the freedom to ask questions

Assignments

Assignments are given based on the real-time engineering problems to the students to understand and come out with the solutions. Group assignments are also given to improve the self-learning and teamwork of students.

Integrated Courses

The Department curriculum is framed in such a way that the courses include both theory and laboratory components. These courses are exclusively designed to provide a unique learning experience to the students with the concept of layered learning where in the students have the chances to practice while learning. These courses designed by blending both theory and laboratory components in their core curriculum.

Project-based learning

The Department frames its curriculum in such a way that students acquire the skills to design and create complex hardware solutions through various activities including main and mini projects and hobby projects. Project based learning also tends to encourage the teamwork among the students. Project Exhibitions are conducted in the department every year to enrich the project developing skills of the students.

Value Added Courses

Apart from the core curriculum, these courses are conducted by department to give key knowledge to students in a specific advance in core field. It improves the employability skills and promote professional and life-oriented skills of the students.

MOOCs

Faculty members and students undergo online courses from the sources like Coursera, Edx, NPTEL, Spoken tutorial, Udemy, etc. in their area of interest. This helps them to enrich their knowledge on current trends and to equip themselves with inter-domain expertise. They are certified by the National and International universities and are motivated towards lifelong learning. Online courses also provide forum for discussion among the experts and students worldwide.

Seminars and Technical Presentation

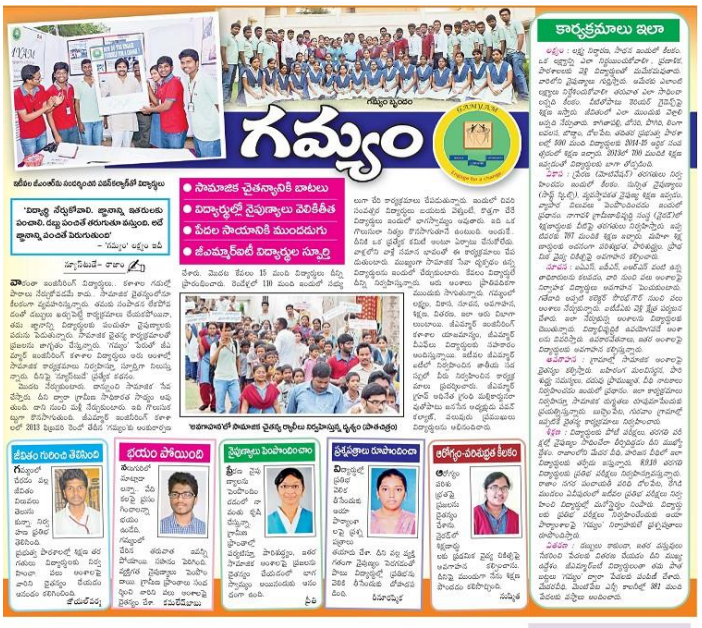
Students are encouraged to give presentation on any technical topic in their area of interest in various National and International Technical Events, which will serve for knowledge transfer and to overcome stage fear. Term Paper is introduced in the curriculum in order to improve their communication skills which plays a significant role in their career growth.

Industrial Visits

Industrial visits and trainings are organized for students to bridge the gap between theoretical learning and practical training in a real-time environment. The students are able to understand the industrial practices and organizational hierarchy during industrial visits.

- Learning through Extension activities

To enhance the learning capabilities, communication skills, problem solving skills student are guided to survey neighborhood villages to understand the social issues. By analyzing the survey, the students will formulate the feasible solutions and suitable activities viz. Career guidance, Classes, Training for competitions, etc. for high school students. In addition, various activities are initiated in the form of presentations, rallies and awareness campaigns, trainings etc. All these activities are carried out under GAMYAM



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

Sl.no	Name fo the faculty	2017-18	2018-19	2019-20	2020-21	2021-22
1	Dr.G.Nooka Raju	0	3	5	5	5
2	Dr.G.Anantha Rao	0	0	3	5	0
3	Dr.Arun Sekar R	0	5	5	5	5
4	Mr. M.Venkatesh	0	0	0	0	5
5	Mr.O.Kishore	0	0	3	0	0
6	Mr.L.Srikanth	0	0	3	0	0
7	Mr.K.Satya Kiran	3	0	0	0	0
8	Dr.M.V. Nageswara Rao	0	5	5	5	0
9	Dr. V. Jagan Naveen	0	5	5	5	0
10	Dr.V.Kannan	0	5	5	5	0
11	Dr.M.Kathirvelu	5	5	5	0	0
12	Dr. Ravi Shankar Sexena	0	3	5	5	0
13	Dr.Yogesh Mishra	0	0	5	5	5
14	Dr. T. Prabhakar	5	5	5	5	5
15	Dr. Govinda Rao Locharla	5	5	5	5	5
16	Dr. A. Sudhakar	0	5	5	5	5
17	Dr.TVS Diwakar	5	3	5	5	5
18	Dr. Ch. Babji Prasad	0	0	0	5	5
19	Dr. G.B.S.R. Naidu	3	3	5	5	5
20	Mr. D. Venkata Ramana	5	3	5	5	0
21	Dr. K. Krishna Kishore	5	5	5	5	0
22	Mrs. S. Sri Durga Kameswari	0	5	5	5	0
23	Dr. J. Venkata Suman	5	3	5	5	5
24	Dr. B. Anil Kumar	0	3	5	5	5
25	Dr. D. Srinivasa Rao	0	5	5	5	5
26	Dr. K. Chiranjeevi	5	0	0	0	0
27	Dr. P. Ravi Kumar	0	0	5	5	5

28	Dr. D .Suresh	0	0	5	5	5
29	Dr. G.Suresh	5	0	5	5	0
30	Dr.N.V.Lalitha	0	5	5	5	0
31	Mr. B.M.S.Sreenivasa Rao	0	0	5	5	5
32	Mr.T.Govinda Rao	3	3	5	5	0
33	Mr. P.Kalyanchakravarthi	0	0	5	5	5
34	Mr.B.Santosh Kumar	5	0	0	0	0
35	Dr. T. Geethamma	5	0	5	5	5
36	Dr.M.Azees	0	0	5	5	0
37	Mr.M.Balakrishna	0	0	5	5	0
38	Mr.P.V.Murali Krishna	0	0	5	5	5
39	Dr. A. Sivasangari	0	0	5	5	5
40	Mr.Bhargav Nagaraju	0	0	5	5	0
	total	64	81	164	160	95
	RF	32	32	32	32	32
	Assessment [3*(Sum / 0.5RF)]	12.00	15.19	30.75	30.00	17.81

average 25.31

5.8. Research and Development (75)

5.8.1. Academic Research (20)

Academic research includes research paper publications, Ph.D. guidance, and faculty receiving

Ph.D. during the assessment period.

- Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (15)
- Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute (5) All relevant details shall be mentioned.

A. Research Paper Publications:

S.No	Name of faculty	2021-22	2020-21	2019-20	2018-19	total
1	Dr.G.Nooka Raju	3	3	1	1	8
2	Dr.G.Anantha Rao	0	1	0	0	1
3	Dr. R. Arun Sekar	7	3	6	1	17
4	Mr. M.Venkatesh	1	1	1	1	4
5	Mr.O.Kishore	0	0	1	0	1
6	Mr.L.Srikanth	0	0	1	0	1
7	Mr.K.Satya Kiran	0	0	1	1	2
8	Dr. M.V.Nageswara Rao	0	5	3	4	12
9	Dr. V.Jagan Naveen	0	1	0	2	3
10	Dr. V. Kannan	1	7	2	1	11
11	Dr. M.Kathirvelu	0	0	3	7	10
12	Dr. Ravi Shankar Saxena	1	1	1	0	3
13	Dr. Yogesh Mishra	2	1	1	0	4
14	Dr. T.Prabhakar	4	4	6	1	15
15	Dr. L. Govinda Rao	3	2	1	0	6
16	Dr.M.P.Srinivasa Rao	0	2	2	3	7
17	Dr. A. Sudhakar	3	3	3	4	13
18	Dr. Ch. Babji Prasad	2	0	0	0	2
19	Dr. TVS. Divakar	1	1	1	1	4
20	Dr. G.B.S.R. Naidu	1	4	3	0	8
21	Mr. D.V.Ramana	0	3	1	2	6
22	Mrs. S. Sri Durga Kameswari	2	0	3	0	5
23	Dr. K. Krishna Kishore	1	3	3	0	7

24	Dr. J. Venkata Suman	1	3	4	5	13
25	Dr. B. Anil Kumar	1	3	5	2	11
26	Dr. D. Srinivasa Rao	2	6	3	1	12
27	Dr. P Ravi Kumar	2	2	2	4	10
28	Dr. D .Suresh	2	1	1	1	5
29	Dr. G.Suresh	2	4	2	3	11
30	Dr. N.V.Lalitha	1	2	2	3	8
31	Mr. B.M.S Sreenivasa Rao	1	0	0	1	2
32	Mr.T.Govinda Rao	0	0	3	1	4
33	Mr. P.Kalyanchakravarthi	3	1	1	0	5
34	Dr. T.Geetamma	3	1	2	0	6
35	Dr. M. Azees	0	0	2	0	2
36	Mr.M.Balakrishna	2	0	0	0	2
37	Mr.P.V.Murali Krishna	1	1	0	0	2
38	Dr. A. Sivasangari	5	3	2	4	14
	total	58	72	73	54	257

B. Ph.D. guidance:

Name of the faculty	CAY	CAYm1	CAYm2	CAYm3
Dr M.V.Nageswara Rao	1	1	0	0
Dr.L.Govinda Rao	1	0	0	0
Dr.V.Kannan	0	0	1	3

C.Faculty received Ph.D. during the assessment period:

(2021-22)	CAY(2020-21)	CAYm1(2019-20)	CAYm2(2018-19)
Dr. D Suresh	Dr. G.B.S.R. Naidu	Dr. K. Chiranjeevi	Dr. L. Govinda Rao
Dr. G.Suresh	Dr. P. Ravi Kumar	Dr. T. Geethamma	Dr. N.V. Lalitha
Dr. D.Srinivasa Rao	Dr. K. Krishna Kishore	Dr. J. Venkata Suman	
	Dr. B. Anil Kumar	Dr.G.Nooka Raju	
		Dr.G.Anantha Rao	
		Dr.Arun Sekar R	

5.8.2. Sponsored Research (20)

2019-20(CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Design and development of prototype wearable spectacle device to get audio/speech from image documents and moving text	36 Months	DST-TIDE	751960.00
			Total amount(X):751960.00

2018-19(CAYm2)

Project Title	**Duration**	**Funding Agency**	**Amount(in Rupees)**
FIST	60 months	DST	2600000.00
Design and development of prototype wearable spectacle device to get audio/speech from image documents and moving text	36 Months	DST-TIDE	751960.00
			Total amount(Y):3396400.00

2017-18(CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Design and development of prototype wearable spectacle device to get audio/speech from image documents and moving text	36 Months	DST-TIDE	1915806.00
			Total amount(Z):1915806.00

Cumulative Amount(X+Y+Z)=6064166.00

5.8.3. Development activities (15)

The Department of Electronics and Communication Engineering conducts many vibrant activities such as product developments, project exhibition, value added courses, social welfare activities, etc. and the department has well equipped research laboratories, working models, charts, and instructional materials. Few of our development activities are given below.

A. Product Development

Students and Faculty members have contributed towards development of various products, few of which are given as follows:

- Mishap avoidance utilizing haze detecting framework
- OTP based authentication and face recognition for vehicles safety using raspberry pi
- Eye blinking based communication for paralyzed patients
- Mining worker safety helmet
- Smart water pumping system using Arduino
- Manhole detection and Alerting system
- Control of domestic home appliances using voice transmission
- Wireless AC Power Detector
- Smart trolley
- Fire detection system using Arduino and GSM module
- Smart auto billing shopping trolley using RFID
- Smart eye for blind people
- LASER security system using Arduino

Patent Filing

S.No	Name of faculty	Title of patent	Patent Number	Date of publication /grant	Name of the Agency
1	Dr.T. Prabhakar	System and method of intelligent food vending machine kiosk	202141025145	07-06-2021	Intellectual Property India
2	Mr.G. Suresh	A Novel Image Denoising Method with Hybrid Dual Tree Complex Wavelet Transform	2021101814	02-06-2021	IP Australia
3	Dr. Geetamma Tummalapalli	Machine Learning-based Headlight Intensity Altering device for Electrical Vehicles	202141017903 A	23-04-2021	Intellectual Property India
4	Dr. Anilkumar B	Machine Learning-based Headlight Intensity Altering device for Electrical Vehicles	202141017903 A	23-04-2021	Intellectual Property India
5	Mr.G. Suresh	Object Classification and Identification Using Image	202141008098	26-02-2021	Intellectual Property India
6	Dr. Jami Venkata Suman	IBAM-Mineral Water Quality Testing System: IoT-Based Automatic Mineral Water Quality Testing and Management System	2020103845	27-01-2021	IP Australia
7	Dr. R. Arun sekar	A Smart Dustbin for Disabled People	202141001895	22-01-2021	Intellectual Property India
8	Dr.A.Sudhakar	A smart dustbin for disabled people	2021410011895A	22-01-2021	Intellectual Property India

9	Dr.T. Prabhakar	An Automatic door handle with sanitizer using Internet of Things (IoT) and Artificial Intelligence Technologies for	2020103302	06-01-2021	IP Australia
10	Dr. Anilkumar B	IoT and Machine Learning Based Power Quality Improvement System for Micro-Grid	2020104355	28-12-2020	IP Australia
11	Dr. Jami Venkata Suman	I-Drone: Intelligent Drone to Detect the Human and Provide Help	2020102304	01-10-2020	IP Australia
12	Dr. Jami Venkata Suman	Intelligent Voice based E-mail	202041038460	25-09-2020	Intellectual Property India
13	Dr. Jami Venkata Suman	Accident Reduce using GPS, Mobile Phone Notification System	202041031948	21-08-2020	Intellectual Property India
14	Dr. Jami Venkata Suman	Design and Performance Evaluation of Hybrid Vedic Multipliers	202041015491	05-06-2020	Intellectual Property India
15	Dr. K. Krishna Kishore	Safety Smart Helmet	202041020815 A	18-05-2020	Intellectual Property India
16	Dr. Jami Venkata Suman	Process of Computing Multi Conductor Parasitic Capacitance for MSI, VLSI, ULSI Circuits	202041010380	20-03-2020	Intellectual Property India
17	Dr. Jami Venkata Suman	Intelligent City	202041002527	31-01-2020	Intellectual Property India
18	Dr. M. Azees	An Intelligent Monitoring Device for Elevators	201941052209	03-01-2020	Intellectual Property India
19	Dr. Jami Venkata Suman	An Intelligent Monitoring Device for Elevators	201941052209	03-01-2020	Intellectual Property India
20	Dr. Jami Venkata Suman	IWS Device: Intelligent Woman Safety Device using AI Programming, Deep Learning	201941053834	03-01-2020	Intellectual Property India
21	Dr. Jami Venkata Suman	Smart Manufacturing using Industrial IOT in 5G Environment Applicants	201941047518	06-12-2019	Intellectual Property India
22	Dr. M. Azees	Self-Rechargeable Drone	201941048019	06-12-2019	Intellectual Property India
23	Dr. Jami Venkata Suman	Self-Rechargeable Drone	201941048019	06-12-2019	Intellectual Property India
24	Dr. K. Krishna Kishore	Artificial Intelligence Based Automatic Feeding System for Aquaculture personal human care Segmentation	201941016567 A	25-04-2019	Intellectual Property India

B. research laboratories

- ECAD Lab
- Labview
- Digital and Signal Processing Lab.
- Microwave & Optical Communication Lab

C. Instructional Materials

Instructional materials are the tools used in active learning and assessment. Some of our instructional materials used in the department are explained as follows:

1. Lab manuals are prepared by faculty members.
2. Integrated records.
3. CTLP lecture notes.
4. Video Lectures.

D. Working models/charts/monograms etc.

The below table gives the list of books published by our faculty members:

S.No	Name of the Faculty	Title of the Book	Publisher	Year
1	G.Suresh	Basic Electrical and Electronics Engineering	S.Chand Publishing	2017
2	Dr.A.Sudhakar	Compact Printed Microstrip UWB Antennas with Frequency Notch Function	LAP LAMBERT Academic Publishing, ISBN: 978-3-330-33428-1	2017
3	Dr.T.Prabhakar	Assessment of Texture Feature Extraction to Classify the Benign and Malignant Lesions from Breast Ultrasound Images.	Springer, Singapore.	2018
4	Jami Venkata Suman	Signal Denoising Techniques for Radar Target Detection,	LAP LAMBERT Academic Publishing, ISBN: 978-3-330-33428-1,	2020
5	Dr.T.Prabhakar	Classification of Alzheimer's Condition in T1-Weighted MR Images Using GLCM and GLRLM Texture Features.	Springer, Singapore.	2020
6	Sekar, R. Arun, and S. Sasipriya.	Impact and Prerequisite of Smart Cities." Advanced Controllers for Smart Cities	Springer International Publishing	2021
7	Dr. Yogesh Misra	Programming and Interfacing with Arduino	Taylor & Francis	2021

5.8.4. Consultancy (from Industry) (20)

2019-20(CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Broad Casting	12 Months	Ministry of Information technology	4613.00
Online Examination	12 Months	Tata Consultancy	200000.00
			Total amount(X):204613.00

2018-19(CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)
NHM-NID-30	12 Months	Ministry of Information technology	210228.00
Online Examination	12 Months	Tata Consultancy	199443.00
			Total amount(Y):409671.00

2017-18(CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Swachta Mission-	12 Months	Ministry of Information	78142.00

Darwaza		technology	
Online Examination	12 Months	Tata Consultancy	107576.00
			Total amount(Z):185718.00

Cumulative Amount(X + Y + Z) = 800002.00

5.9. Faculty Performance Appraisal and Development System (FPADS) (10)

For continuous review of the performance and the capacity building, an annual appraisal system is in place. All the staff members have a mandate of submitting a self-appraisal highlighting the various credentials acquired in academic, research and admin domain which in turn will be reviewed by the respective HoDs for the appropriate recommendations. Self-appraisal form having 29 different parameters is available at Link: http://61.246.187.116/gmritnew/nba/rubric_self-appraisal_Form.pdf The self-appraisal format enables and provides a scope to all the staff members for enhancing their performance quality under various heads. Annual increment for all the staff members is recommended based on both quantitative and qualitative metrics. Beyond the annual increment to motivate and promote overall professional growth, an incentive scheme is introduced in line with API. The scheme in the name of Faculty Assessment and Development Scheme (FADS) was introduced as a part of the HR policy. A copy of the scheme is available at Link: http://61.246.187.116/gmritnew/nba/Policy%20on%20FADS.PDF. The points accrued under FADS have provision to get redeemed for the monitory benefit.

Year	FDP	Publications	Patents	Projects Submitted
2018-19	10	54	1	17
2019-20	151	73	9	7
2020-21	209	72	12	10
2021-22	70	58	2	10

5.10. Visiting/Adjunct/Emeritus Faculty etc. (10)

Experts from various industries have been utilized to impart a good blend of theoretical and practical input to the students on latest technology used in Industries. This has helped students in securing placements in core companies.

Details of Adjunct faculty members from various industries are listed below:

S.No.	Name	Designation	Organization	Year
1	Suresh V	Senior Applications Engineer (LabVIEW)	VI Solutions, Bangalore	2019
2	M.S. Damodara	Business Manager	Entuple Technologies Pvt. Ltd,Bangalore	2019

CRITERIA 6

FACILITIES AND TECHNICAL SUPPORT

6. FACILITIES AND TECHNICAL SUPPORT (80)

6.1 Adequate and well equipped Laboratories and Technical Manpower (40)

The Electronics and Communication Engineering Department has well established laboratories with adequate facilities to meet the requirements of curriculum. Additional facilities are also provided to encourage the students in the design of projects and prototypes. The students can enhance their practical knowledge with the guidance of faculty members and with the support of technical manpower. Table 6.1 shows the detailed information about the laboratories.

Table 6.1 List of Laboratories

Sr. 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 man power support		
					Name of the technical staff	Designation	Qualification
1	Electronic Computer Aided Design Laboratory	One student per System (36 per batch)	Personal computers(12 GB RAM,P-IV), FPGA / CPLD Kits, Arduino uno, Ultra sonic sensors, optical sensors touch sensors, gas sensors rain	30 hours per week (83%)	S.Ramesh Babu	Lab Technician	B.E

			drop sensors, soil moisture sensors, Bluetooth modules, Xilinx, Multisim				
2	Microwave Laboratory	Four students per setup (36 per batch)	Microwave Benches , Optical Communication Trainer kits , CRO's, Function Generators	18 hours per week (50%)	Mr.A.Madhu sudana Rao	Lab Technician	B.Sc
3	Electronic Devices and Circuits Laboratory	Four students per setup (36 per batch)	CRO's, signal generators, regulated power supplies.	30 hours per week (83%)	DV Ramana	Foreman	DEEE
4	Pulse and Digital Circuits Lab& Linear IC Applications Laboratory	Four students per setup (36 per batch)	CRO's, signal generators, regulated power supplies.	30 hours per week (83%)	Mrs.S.Hemal atha	Lab Technician	DECE
5	Microprocess or Laboratory	Four students per setup	8086 and 8051 trainer kits,		Mr.K. Bala Krishna	Lab Technician	DECE

		(36 per batch)	Interfacing units, Personal computers(12 GB RAM,P-IV), Digital trainer kits, MASM tool.	36 hours per week (100%)			
6	Digital Signal Processing Laboratory	One student per System (36 per batch)	Personal computers(12 GB RAM,P-IV), MATLAB, Code Composer Studio Software, DSP Processors	36 hours per week (100%)	Mr.K.Balaram	Lab Technician	DECE
7	Analog/Digital Communication Laboratory	Four per setup (36 per batch)	CRO's, signal generators, regulated power supplies, Trainer kits	18 hours per week (50%)	Mr.S.Saptagiri	Lab Technician	DECE
8	Project Laboratory		CRO's,signal generators, regulated power supplies		Mr.T.Butchin Naidu	Foreman	DECE

- **Adequacy of Laboratory:** The adequate well equipped laboratories are available to run the entire program specific curriculum.

- **Equipment of Laboratory:** The maintenance of the laboratory equipment's are excellent with best services and laboratories are well equipped with air ventilation, good ambience with adequate lighting facility, fan facility, power supply to run the machine.

- **Adequacy of Man Power:** The students are also allowed to do lab experiments after their lab hours within working hours with technical support after getting the permission from the staff in charge of the respective lab. Beyond working hours, the laboratories are available for the students to do their projects. Faculty and technicians use to support the project works during late hours too.

6.2. Laboratories: Maintenance and overall ambience (10)

To upkeep the uninterrupted laboratory functioning without having any impact in conducting the laboratory classes, all the laboratories in the department ensures different types of maintenance processes viz. Periodic maintenance, Preventive maintenance and Breakdown maintenance.
Before the commencement of every semester, the lab technicians and lab in-charge, ensures the functioning of the different lab equipment. Preventive maintenance is done for all the essential equipment (Laboratory equipment/Experimental setups) before the commencement of the semester, where as periodic maintenance is done for all the supporting equipment. The stock of the spare components of the essential equipment are maintained to reduce the breakdown time.

General guidelines for the maintenance of Laboratory Equipment:

- Laboratory technical staff shall check the working condition of the equipment's on daily basis

- All the labs and equipment are dusted at the end of the day

- The consumption of laboratory consumables is recorded on daily basis

- In the context of all the equipment under warranty and AMC, the lab in-charge/staff shall ensure the periodic visit and maintenance as per the terms

- All the laboratory technicians/staff are trained for essential and minor maintenance jobs to run the class work uninterruptedly

- At the beginning & end of semesters, all the equipment's are inspected and ensure the working condition by engaging the concerned agency if needed.
- The raw material, tools and scrap in all the laboratories are stacked in the appropriate spaces earmarked for easy retrieval and disposal
- In case of computer labs, the technicians/programmers shall ensure the networking and functioning of all the systems. At the end of every laboratory class, the programmer ensures the proper shutdown of the systems.
- Preventive maintenance is carried out in case of UPS and updating of the Firewalls
- 5S practices are followed in maintaining and upkeeping of the laboratories
- All the measuring and testing instruments in the labs are calibrated on the need basis
- Stock registers for both consumables and lab equipment are maintained laboratory wise and stock verification is done once in a year

Ambience

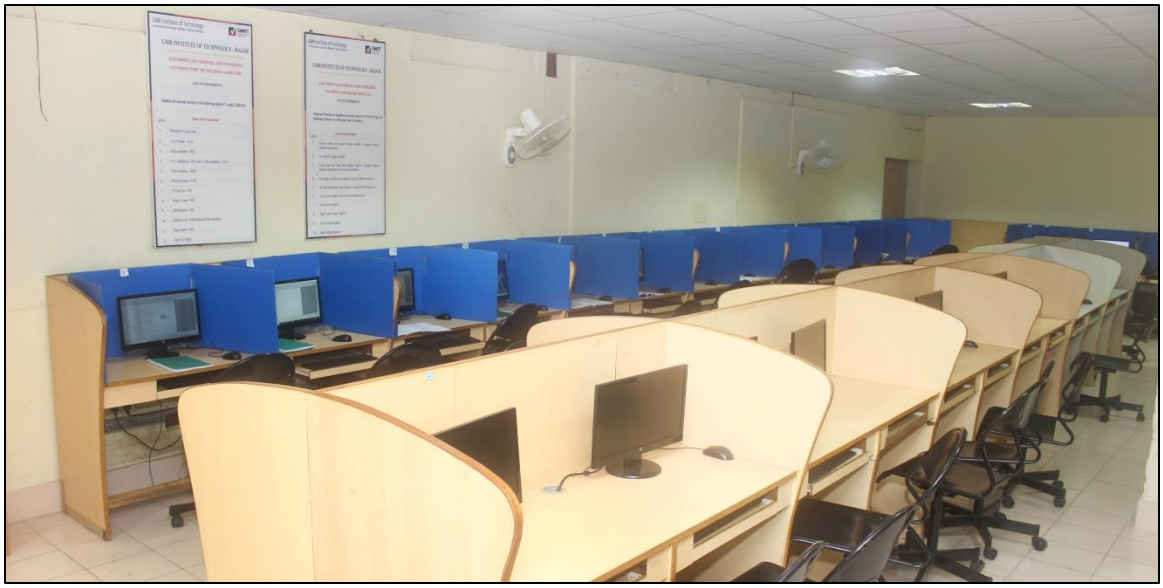
- Signages related to laboratory layouts are prominently displayed
- List of experiments, COs, List of equipment, Dos & Don'ts and equipment name plate details are displayed.
- Dress code/uniform for students is maintained in the laboratory.
- Proper lighting and ventilation is provided in all the laboratories ensuring the physical comfort for the students while performing experiments.
- 5S practices are followed in the laboratories to enhance the ambience.
- Working models and devices in the form of charts are displayed in the laboratories.

Overall ambience:

Electronic Devices and Circuits Laboratory

Microprocessors Laboratory

Microwave Laboratory



ECAD Laboratory

IC/PDC Laboratory

Digital Signal Processing Laboratory

Analog & Digital Communication Laboratory

Models developed in the project laboratory (patented)

6.3. Safety measures in laboratories (10)

Table 6.2. Safety measures in Laboratories

Sr.No	Name of the Laboratory	Safety measures
1	Electronic Computer Aided Design Laboratory	1. All the staff and students must obey the Do's & Don'ts displayed in the respective laboratory 2. All power supply lines are properly insulated and covered 3. Laboratories staff and students must wear leather shoe 4. After writing the code, all the students are required to take approval to switch on the personal computers to execute the programs 5. Laboratory staff must ensure to shut down and switch off all computers and equipment, while leaving the laboratory 6. Emergency and first aid kits are available

		7. Fire extinguishers are available on all floors of building 8. Laboratory staff are periodically maintain all the equipment and keep them in safe operating condition. 9. Students are instructed to avoid contacting circuits with wet hands or wet materials.
2	Microwave Laboratory	1. All the staff and students must obey the Do's & Don'ts displayed in the respective laboratory 2. All power supply lines are properly insulated and covered 3. Laboratories staff and students must wear leather shoe 4. After making connections of their experiments, all the students are required to take approval to switch on the power supply 5. Laboratory staff must ensure to switch off all equipment, while leaving the laboratory 6. Emergency and first aid kits are available 7. Fire extinguishers are available on all floors of building. 8. Lab technicians are periodically maintain all the equipment and keep them in safe operating condition 9. Students are instructed to avoid contacting circuits with wet hands or wet materials
3	Electronic Devices and Circuits Laboratory	1. All the staff and students must obey the Do's & Don'ts displayed in the respective laboratory 2. All power supply lines are properly insulated and covered 3. Laboratories staff and students must wear leather shoe 4. After making connections of their experiments, all the students are required to take approval to switch on the power supply 5. Laboratory staff must ensure to switch off all equipment, while leaving the laboratory 6. Emergency and first aid kits are available 7. Fire extinguishers are available on all floors of building.

		8. Lab technicians are periodically maintain all the equipment and keep them in safe operating condition 9. Students are instructed to avoid contacting circuits with wet hands or wet materials
4	Pulse and Digital Circuits Lab& Linear IC Applications Laboratory	1. All the staff and students must obey the Do's & Don'ts displayed in the respective laboratory 2. All power supply lines are properly insulated and covered 3. Laboratories staff and students must wear leather shoe 4. After making connections of their experiments, all the students are required to take approval to switch on the power supply 5. Laboratory staff must ensure to switch off all equipment, while leaving the laboratory 6. Emergency and first aid kits are available 7. Fire extinguishers are available on all floors of building 8. Lab technicians are periodically maintain all the equipment and keep them in safe operating condition 9. Students are instructed to avoid contacting circuits with wet hands or wet materials
5	Microprocessor Laboratory	1. All the staff and students must obey the Do's & Don'ts displayed in the respective laboratory 2. All power supply lines are properly insulated and covered 3. Laboratories staff and students must wear leather shoe 4. After writing the code, all the students are required to take approval to switch on the personal computers to execute the programs 5. Laboratory staff must ensure to shut down and switch off all computers and equipment, while leaving the laboratory 6. Emergency and first aid kits are available 7. Fire extinguishers are available on all floors of building 8. Laboratory staff are periodically maintain all the equipment and keep them in safe operating condition

		9. Students are instructed to avoid contacting circuits with wet hands or wet materials
6	Digital Signal Processing Laboratory	1. All the staff and students must obey the Do's & Don'ts displayed in the respective laboratory 2. All power supply lines are properly insulated and covered 3. Laboratories staff and students must wear leather shoe 4. After writing the code, all the students are required to take approval to switch on the personal computers to execute the programs 5. Laboratory staff must ensure to shut down and switch off all computers and equipment, while leaving the laboratory 6. Emergency and first aid kits are available 7. Fire extinguishers are available on all floors of building 8. Laboratory staff are periodically maintain all the equipment and keep them in safe operating condition 9. Students are instructed to avoid contacting circuits with wet hands or wet materials
7	Analog/Digital Communication L Laboratory	1. All the staff and students must obey the Do's & Don'ts displayed in the respective laboratory 2. All power supply lines are properly insulated and covered 3. Laboratories staff and students must wear leather shoe 4. After making connections of their experiments, all the students are required to take approval to switch on the power supply 5. Laboratory staff must ensure to switch off all equipment, while leaving the laboratory 6. Emergency and first aid kits are available 7. Fire extinguishers are available on all floors of building. 8. Lab technicians are periodically maintain all the equipment and keep them in safe operating condition 9. Students are instructed to avoid contacting circuits with wet hands or wet materials

8	Project Laboratory	1. All the staff and students must obey the Do's & Don'ts displayed in the respective laboratory 2. All power supply lines are properly insulated and covered 3. Laboratories staff and students must wear leather shoe 4. After making connections of their experiments, all the students are required to take approval to switch on the power supply 5. Laboratory staff must ensure to switch off all equipment, while leaving the laboratory 6. Emergency and first aid kits are available 7. Fire extinguishers are available on all floors of building. 8. Lab technicians are periodically maintain all the equipment and keep them in safe operating condition 9. Students are instructed to avoid contacting circuits with wet hands or wet materials

6.4. Project Laboratory (20)

Department has adequate facilities to provide project-based learning. Curriculum has ample scope to provide hands-on training in the form of augmented experiments, Mini-Projects, Project work, Hobby projects. Students are encouraged to develop prototype/working models/ simulation analysis and exhibit their projects in various competitions across the country. Several successful projects have been carried out by students at the project laboratory. These facilities are available beyond working hours to enable and motivate the students for their active participation.

Facilities:

Sl.No	Name of the Equipment	Specification
1	Digital Storage Oscilloscope	Frequency range: 0-25MHZ
2	Analog Oscilloscope	Frequency range: 0-100MHz
3	Spectrum Analyzer	Frequency range: 1GHz
4	Function generator	Frequency range: 3MHz

5	NI LabView	NI LabView Lab suite, digital system development boards, Mechatronics kits, Embedded kits
6	Cadence Tools	Cadence University PG Bundle for Analog and digital design and testing
7	Xilinx Vivado	FPGA implementation of digital circuits
8	FPGA Boards	Digilent Nexys2, Digilent Basys, AV Artix7 FPGA trainer kits, Spartan 3E trainer boards, Zynq 700 Zed Development boards
9	ARM boards	ARM9 & C674X Floating point DSP
10	DSP Processors	TMS320C6713 with CCS
11	Sensors	Scientech Sensors Lab Trainer kits (light, IR, piezo electric, gas, alcohol, humidity, color, level, clap, fire, smoke, accelo meter, potentiometric displacement, temperature, galvanic skin, capacitive displacement, touch, current sensors)
12	Antenna trainer kits	Frequency range 750-850 MHz
13	Computers	HP (i3 Processor, 4 GB RAM, 360 GB Hard disk)

Titles of the projects done:

S.No.	CAY(2021-22)	CAYm1(2020-21)	CAYm2(2019-20)
1.	Performance analysis of massive MIMO using MMSE and RZF combining techniques	Real time obstacle detection and avoidance using AI (Neural BOT)	BER Analysis of OFDM & Sc-FDM and UFMC technology in LTE Networks
2.	Performance of Spatial Modulation in massive multi user Mimo System	Performance analysis of hybrid beamforming techniques in large multiuser MIMO system	Performance of Spatial Modulation in massive multi user Mimo System
3.	Smart Hat - Ensuring workers safety	Design and analysis of resistive matchline sensing techniques in TCAM	Smart Hat - Ensuring workers safety
4.	Automatic Food Maker	IOT based smart irrigation management system using MQTT protocol	Automatic Food Maker
5.	Detection of covid-19 through chest X-Ray images using CNN	Early stage prediction of malnutrition using deep learning techniques	Design and Implementation of 32 bit complex floating point multiplier using vedic real multipliers

6.	Fast convolution unit for convolutions Neural Network	Design of wearable antenna for wireless body area network applications	Fast convolution unit for convolutions Neural Network
7.	Fatigue detection system by using Raspberry Pi	Multiclass brain for tumor classification using reinforcement learning	Fatigue detection system by using Raspberry Pi
8.	Implementation of Video Watermarking using wavelet transforms	Wideband spectrum sensing using cognitive radio	Implementation of Video Watermarking using wavelet transforms
9.	AI based Automatic Seed Drilling & Water pesticides spraying Machine	A compact frequency reconfigurable microstrip antenna for 4G, 5G, X-band & Ku-band applications	AI based Automatic Seed Drilling & Water pesticides spraying Machine
10.	Glaucoma detection using a deep learning based CNN classifier model	Design and analysis of wearable PIFA antenna for medical applications	Automatic Ghee Making Machine
11.	BER performance of GMSK in Mobile Communications over fadding channels	Dual band 24 GHz and 28.5GHz quarter wave antenna for Millimeter wave applications	BER performance of GMSK in Mobile Communications over fadding channels
12.	Wireless 3 axis movement robot with speech recognition	Spectral efficiency improvement techniques in Massive MIMO systems	Wireless 3 axis movement robot with speech recognition
13.	Analysis on filter circuits for enhanced transient response of buck converters	Software defined Hearing Aid	Efficient Anonymous Arthentication & Key Management Schemes for Secure Service Provision in VANETS
14.	Lung Cancer Segmentation Using Deep Learning	Design and analysis of power efficiency approximate booth multiplier	Lung Cancer Segmentation Using Deep Learning
15.	Designing of ARC Welding Application Using Colloborative Robot	DNN BASED HARDWARE ACCELERATOR DESIGN FOR CARDIAC ARRHYTHMIA DETECTION	Designing of ARC Welding Application Using Colloborative Robot
16.	A millimeter wave MIMO antenna with four way broadband feeding network to improve the gain & bandwidth for 5G systems	Plant Leaf Disease Detection using multiclass SVM classifier	Designing of ARC Welding Application along with conveyor using sequence programing
17.	Four Port Dualpolorised MIMI slot antenna system for 5G Application	Spectrum Sensing and Sharing in Dynamic Spectrum Access Cognitive Systems	Four Port Dualpolorised MIMI slot antenna system for 5G Application
18.	Accident Prevention System using Compact Embedded System	Design of Inexact floating point adder	Accident Prevention System using Compact Embedded System

19.	Noise removal in speech processing using spectral subtraction	QoS aware efficient power allocation in the future small cell networks	Breast Cancer Detection Using Machine Learning
20.	Noma Based Multi user Detection in OFDM Sytstem over Rayleigh Facing Channel	Automated Malaria Parasite Detection using CNN in Thick Blood Smear Images	Noma Based Multi user Detection in OFDM Sytstem over Rayleigh Facing Channel
21.	Tamper Detection of Speech Signal	Implementation of Face Recognition based Smart and safe Attendance system	Tamper Detection of Speech Signal
22.	An efficient and secure anonymous authentication scheme for V2G networks	Behaviour of OFDM with Index Modulation technique for wireless networks	Implementation of Dialated CNN for Image Classification
23.	Selfie Video Based Indian Sign Language Recognision System	Design and analysis of arthmetic circuits for approximate computing applications	Selfie Video Based Indian Sign Language Recognision System
24.	Detection of Drowsiness of deriver using Facial Expressions	Low power and area efficient comparator for rank ordering image applications	Detection of Drowsiness of deriver using Facial Expressions
25.	A Wearable PIFA with as all textile meta Surface for 5GHz Wban Application	Plant Leaf Disease Detection using Image Processing	A Wearable PIFA with as all textile meta Surface for 5GHz Wban Application
26.	An Efficient Ananomous Authentication with Privacy Preservation for IOT based WBAN's	Smart traffic light control system for emergency vehicles	An Efficient Ananomous Authentication with Privacy Preservation for IOT based WBAN's
27.	A millimeter wave MIMO antenna for 5G applications to enhance gain and to reduce side lobes	Blood group detection using Support Vector Machine Classifier	Design and Analysis of Microstrip patch for C-band Applications
28.	High Performance OFDM with Index Modulation	A Dual Clahe Approach For Underwater Image Enhancement Based On Dehazing And Multiscale Fusion Strategy	High Performance OFDM with Index Modulation
29.	Performance Analysis of Leukemia Detection Using Image Processing	Endometrial Cancer Histopathological Image Classification using Convolutional Neural Networks	Performance Analysis of Leukemia Detection Using Image Processing
30.	Predictionof heart disease by using machine learning algorithm	An efficient blockchain based anonymous authentication and integrity preservation schemes for secure communication in VANETs	LBP based approach to distinuguish synthere images from natural images

31.	MTJ based low power TCAM	Performance evaluation of filter bank based multi carrier modulation scheme for 5G communications	MTJ based low power TCAM
32.	Implementation of adders using reversible logic gates	Smart Glove For Deaf And Dumb People	Implementation of adders using reversible logic gates
33.	Analysis of 8T SRAM for low power applications	Plant Diseases Classification And Recognition Using Deep Learning Algorithm	Analysis of 8T SRAM for low power applications
34.	Traffic control system based on object count using image processing	CNN Based Segmentation Of Breast Lesions On Ultrasound Images	Design of Low Power & Area Efficient GDI Based LFSR
35.		Lie Detection Using Eye Gaze Pattern	An automatic monitoring and controlling system for greenhouse
36.		Retinal blood vessel segmentation on Diabetic retinopathy images	Design a Planar Inverted F Antenna
37.		RPCA based real time music and speech separation	Brain Tumour Detection Using K-Means clustering
38.		Facial Emotion Recognition using CNN	An Energy Efficient Disaster Management using d2d with power transfer and clustering Techniques
39.		Identification Of Glaucoma Using Cup To Disc Ratio	Performance analysis of different image watermarking techniques
40.			Classification of MR brain tumors using deep learning
41.			High Frequency Quadrature Correction for Digital Multiphase clock generation CKTS
42.			Design of Microstrip Patch Antenna for Multiband application
43.			Medical Record Security for Telemedicine Applications

Awards & Prizes:

	Title of the Project/Event	Prizes won	Organization
2021-22	AI Hackathon	1st	GMRIT
	Innovation for Societal Benefits Model	2nd	NSTL,Visakhapatanam
CAY(2020-21)			
CAY(2019-20)	Project Design Contest	1st	GMRIT,Rajam,AP
	Robo Soccer	1st	GMRIT,Rajam,AP
	Robo Soccer	2nd	GMRIT,Rajam,AP
	Robo Soccer	1st	Raghu College,Visakhapatnam,AP.
	Line Follower	1st	Raghu College,Visakhapatnam,ap

Publications:

	Publication details
2021-22	1. An Optimized Solution For Secure Data Transfer Over IOT Networks In Smart Cities 2. Vision Based Traffic System using Traffic Density Calculation 3. An efficient Key agreement and anonymous mutual authentication protocols for secure communication in VANET'S 4. Child Proofing Intelligent 5. Distance Measurement Based on Gyration 6. Wireless AC Power Detector and Smart Watering System 7. Smart Street Light Controller
CAY(2020-21)	

CAY(2019-20)	1.LBP based approach to distinguish synthetic images from natural images 2.Medical Record Security for Telemedicine Application 3.Design and Development of 4-Byte SRAM Architecture 4.Review of Environment Perception for Intelligent Vehicles 5.Simulation And Synthesis Techniques For Asynchronous FIFO Design 6.Design of low power full adder using MGDI logic 7.A real time IoT based patient health monitoring system using machine learning algorithms 8.Design of 24 Bit Vedic Multiplier Using GDI Technique in 32 Bit Floating Point Multiplier

CRITERIA 7

CONTINUOUS IMPROVEMENT

7.1 Actions are taken based on the Results of the Evaluation of each of the COs, POs & PSOs (30)

POs & PSOs Attainment Levels and Actions for Improvement – CAY Only

2018-22

POs	Target Level	Attainment Level	Observations
PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems			
PO1	2	2.33	1. It is observed that the overall attainment level is good 2. Attainment is moderate due to a lack of critical mathematical concepts
Action: Courses like Linear Control Systems, Electromagnetic Fields and Waves, Electronic Circuit Analysis, and Linear IC Applications necessitate increased focus on application-based concepts. It is also suggested that instructors use relevant examples with hands-on practice in courses such as Object Oriented Programming with Java and Problem Solving with C.			
PO2: Identity, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using the first principles of mathematics, natural sciences, and engineering sciences			
PO2	2	2.06	1. Even though the target level is attained, still there is a scope for improvement. 2. Before enrolling in an engineering program, some lateral entry students are not sufficiently exposed to fundamentals in mathematics and science. 3. Most students find it challenging to get hands-on experience because they were not accustomed to engineering workshops earlier.
Action 1: Encouraging student participation in a variety of seminars and technical workshops that allow them to understand and analyse current research problems and propose feasible solutions. **Action 2:** For courses such as Linear Control Systems, Linear IC Applications, Electronic Circuit Analysis, and Linear Control Systems, Linear IC Applications, Electronic Circuit Analysis, instructors are advised to enable the students to analyse complex engineering problems by using first principles of mathematics, natural sciences, and engineering sciences.			
PO3: 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			
PO3	2	2.15	1.Though the overall attainment level is met the target level, there is scope for the improvement in the attainment level.

			2. Not having adequate exposure to the programming languages, most of the lateral entry students are feeling difficulty to acquire coding skills.
Action: Facilitating students to develop prototypes of recent technologies by solving complex engineering problems related to public health and safety, as well as cultural, societal, and environmental issues, through student participation in coding/design contests such as the Texas Instruments Project Design Contest, Capgemini Techchallenge, Codathon, and Hackathon etc.			
PO4: 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			
PO4	2	2.15	1. Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level. 2. Some of the courses involve analysis and design.
Action 1: Courses like term paper and mini project facilitate students to conclude the research gaps through research reviews, interpreting the data, and synthesis of information. **Action 2:** Student participation in workshops in various student chapters enables the application of knowledge for the design, conduct, and conclusion of experiments.			
PO5: 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.			
PO5	2	2.27	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: Hands-on training sessions on Xilinx, Cadence, and Texas Virtual Instrumentation Lab tools familiarise students with modern tool usage. **Action 2:** Students receive training on FPGA/ASIC or Arduino-based implementations as part of One credit courses and Add-on courses to help them solve complex engineering problems.			
PO6: Apply to reason informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.			
PO6	2	2.90	As the overall attainment level met the target level, it needs to be sustained.
Action 1: Contextual knowledge related to health, legal, and safety is gained through courses like Environmental Science and Professional Ethics & Standards. Involvement in courses such as ECCC activities and employability skills allows students to apply reasoning to societal and cultural issues.			
PO7: Understand the impact of professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO7	2	2.40	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: Instructors in courses such as Environmental Studies have been encouraged to emphasize the impact of environmental issues on communication engineering-specific problems.			
PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			

PO8	2	2.38	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: For students Career readiness program, corporate lectures, and motivational talks are arranged on a regular-basis. (Full Semester Internship) to sustain the attainment.			
PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			
PO9	2	2.8	Though the overall attainment level has met the target level, there is still scope for improvement.
Action 1: Mini Projects/Main Projects/FSI encourage students to work as individuals as well as in teams in the fields of Engineering- skills such as leadership and an effective team member will be cultivated.			
PO10: 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.			
PO10	2	2.73	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: Students receive soft skill training, such as CC&EC and Employability Skills, in addition to English Communication Skills Lab, to help them with many elements of communication and technical speaking through group discussions, presentations, and new learning outcomes.. **Action 2:** Courses like Term Paper/ Mini Projects/ Main Projects/FSI enable the students to conclude literature study and complete the experiments.			
PO11: 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.			
PO11	2	2.5	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: Activities that represent the application of engineering and management principles to a specific problem will be conducted as co-curricular.			
PO12: 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			
PO12	2	2.44	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: Enhancing the self-learning capability among the students by introducing MOOCs. **Action 2:** Students are given the opportunity to participate in contests linked to model making, which helps them to know the significance of self-learning as a component of lifelong learning.			
PSO1: Apply the knowledge of technological evolutions, model/character the devices and design the integrated as to build analog and digital systems.			
PSO1	2	2.53	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: Students are encouraged to work on and analyze problems as part of project work, design the Circuit/Model/Architecture, and implement it to develop digital systems.			

PSO2: Understand and apply the fundamentals of communication and signal processing to develop systems wrapped with industry-standard protocols and standards			
PSO2	2	2.39	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: As part of their project work Students are encouraged to assess the problem, build an algorithm/model, and simulate it for validation.			

2017-21

POs	Target Level	Attainment Level	Observations
PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems			
PO1	2	2.34	1. It is observed that the overall attainment level is good 2. Lack of critical mathematical concepts leads to moderate attainment
Action: Much emphasis is required for application-based concepts of subjects Linear Control Systems, Electromagnetic Fields and Waves, Electronic Circuit Analysis, and Linear IC Applications. The instructors are further suggested to quote relevant examples with hands-on practice in courses like Object Oriented Programming through java, Problem-solving using C.			
PO2: Identity, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using the first principles of mathematics, natural sciences, and engineering sciences			
PO2	2	2.06	1. Though the overall attainment level met the target level, there is scope for improvement in the attainment level. 2. Some lateral entry students are not sufficiently exposed to fundamentals in the mathematics/Science subjects before joining the engineering course 3. Since students are not habituated to engineering workshop earlier, most of the students are feeling difficulty to have hands-on practice.
Action 1: Promoting student participation in various seminars and technical workshops enabling to understand and analyze the contemporary research problems, and to suggest the viable solutions. **Action 2:** Instructors are suggested to analyze the complex engineering problems using first principles of mathematics, natural sciences, and engineering sciences for courses like Linear Control Systems, Linear IC Applications, Electronic Circuit Analysis and Linear Control Systems, Linear IC Applications, Electronic Circuit Analysis			
PO3: 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			
PO3	2	2.15	1. Though the overall attainment level is met at the target level, there is scope for improvement in the attainment level.

			2. Not having adequate exposure to the programming languages, most of the lateral entry students are feeling difficulty acquiring coding skills.
Action 1: Enabling the students to develop prototypes of contemporary technologies by solving the complex engineering problems related to public health and safety, and the cultural, societal, and environmental issues through student participation in coding/design contests like the Project design contest conducted by Texas instruments, Capgemini Techchallenge, Codathon, Hackathon etc.			
PO4: 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			
PO4	2	2.15	1. Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level. 2. Some of the courses involve analysis and design.
Action 1: With courses like term papers and mini project, students are suggested to conclude the research gaps by reviewing the existing research, interpreting the data and synthesis of information. **Action 2:** Student participation in workshops in various student chapters, enables application of knowledge for the design conduction of experiments and concluding the outcomes.			
PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.			
PO5	2	2.27	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: Famialirizing the students with the modern tool usage by providing Hands on training sessions on Xilinx, Cadence, Texas Virtual Instrumentation Lab tools. **Action 2:** In order to provide solution to the complex engineering problems, students are provided training on FPGA/ASIC or Arduino based implementations as a part of One credit courses, Add-on courses .			
PO6: 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.			
PO6	2	2.90	As the overall attainment level met the target level, it needs to be sustained.
Action 1: From courses like Environmental Science andProfessional Ethics & Standards Contextual knowledge related to health,legal and safety is gained. Student participation in courses like ECCC activities and employability skills enables them to apply reasoning on societal and cultural issues.			
PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO7	2	2.40	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: In courses like Environmental Studies instructors are suggested to emphasise the impact of environmental issues in line with communication engineering specific problems.			
PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			

PO8	2	2.38	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: For students Career readiness program, corporate lectures and motivational talks are arranged on regular-basis. (Full Semester Internship) to sustain the attainment.			
PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			
PO9	2	2.8	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: Through Mini Projects/ Main Projects/FSI the students are encouraged to work as an individual as well as in a team in the fields of Engineering- skills like leadership, effective team member will be nurtured.			
PO10: 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.			
PO10	2	2.73	Though the overall attainment level is met the target level, there is a scope for improvement in the attainment level.
Action 1: Apart from English Communication skills Lab, Soft skills training like CC&EC and Employbility Skills are imparted to students to improve various aspects of communication/technical talks by group discussions, presentations and new learning outcomes. **Action 2:** Courses like Term Paper/ Mini Projects/ Main Projects/FSI enables the students to conclude the literature study and complete the experiments.			
PO11: 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.			
PO11	2	2.5	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: It is planned to conduct Co-Curricular activities on signifying the application of engineering and management principles to a particular task.			
PO12: 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			
PO12	2	2.44	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: Enhancing the self learning capability among the students by introducing MOOCs. **Action 2:** Involving the students in Model making related contests enables them to understand the importance of self-learning as a part of life-long learning.			
PSO1: Apply the knowledge of technological evolutions, model / character the devices and design the integrated as to build analog and digital systems.			
PSO1	2	2.53	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: As a part of project work, students are motivated to take up and analyze problems,design the Circuit/Model/Architecture and implement it to build digital systems			

PSO2: Understand and apply the fundamentals of communication and signal processing to develop systems wrapped with industry standard protocols and standards			
PSO2	2	2.42	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: Students are motivated to take up the problems during their project work so that they would analyze the problem, develop the Algorithm/Model and simulate it for validation			

2019-20

POs	Target Level	Attainment Level	Observations
PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems			
PO1	2	2.35	1.It is observed that the overall attainment level is good 2. Lack of critical mathematical concepts leads to moderate attainment
Action: Though the target is achieved, the course instructors are requested to focus more on application based concepts in the subjects like Linear Control Systems, Electromagnetic Fields and Waves, Electronic Circuit Analysis, and Linear IC Applications. It is also requested the faculty to site adequate number of examples with hands-on practice in courses like Object Oriented Programming through java, Problem-solving using C.			
PO2: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences			
PO2	2	2.05	1.Though the overall attainment level met the target level, there is scope for the improvement in the attainment level. 2. Some lateral entry students are not sufficiently exposed to fundamentals in the mathematics/Science subjects before joining the engineering course 3. Since students are not habituated to engineering workshop earlier, most of the students are feeling difficulty to have hands-on practice.
Action-1: Students are encouraged to participate in various seminars and technical workshops to present or understand the contemporary research problems, and to propose the possible solutions by analyzing the problems identified. **Action-2:** Faculty for courses like Linear Control Systems, Linear IC Applications, Electronic Circuit Analysis and Linear Control Systems, Linear IC Applications, Electronic Circuit Analysis are instructed to focus more on analyzing the complex engineering problems using first principles of mathematics, natural sciences, and engineering sciences			
PO3: 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			

PO3	2	2.16	1.Though the overall attainment level is met the target level, there is scope for the improvement in the attainment level. 2. Not having adequate exposure to the programming languages, most of the lateral entry students are feeling difficulty to acquire coding skills.
Action 1: All the students are motivated to participate in coding/design contests like Project design contest by Texas instruments, Capgemini Techchallenge, Codathon, Hackathon etc., to enable them to develop prototypes of contemporary technologies by solving the complex engineering problems related to public health and safety, and the cultural, societal, and environmental issues.			
PO4: 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			
PO4	2	2.06	1.Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level. 2. Some of the courses involve analysis and design.
Action 1: Students are instructed to focus more on study of the research literature to understand the existing research work by interpreting the data and synthesis of information to conclude the research gaps as a part of the term paper and mini project courses. **Action 2:** Students are motivated to participate various workshops in various student chapters to enable them to apply knowledge in terms of design conduction of experiments and concluding the outcomes			
PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.			
PO5	2	2.26	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: Hands on training sessions are given on Xilinx, Cadence, Texas Virtual Instrumentation Lab tools for enabling the students to acquaint with the modern tool usage. **Action 2:** One credit courses, Add-on courses are conducted to train the students perform FPGA/ASIC or Arduino based implementations as solution to the complex engineering problems.			
PO6: 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.			
PO6	2	2.82	As the overall attainment level met the target level, it needs to be sustained.
Action 1: Contextual knowledge related to health,legal and safety is obtained from courses like Environmental Science andProfessional Ethics & Standards. Courses like ECCC activities and employability skills involve students participation to apply reasoning on societal and cultural issues.			
PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO7	2	2.11	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.

<table>
<tr><td colspan="4">Action 1: For sustaining the attainment, the subjects like Environmental Studies should be taught by citing the impact of environmental issues in line with communication engineering specific problems.</td></tr>
<tr><td colspan="4">PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.</td></tr>
<tr><td>PO8</td><td>2</td><td>2.49</td><td>Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.</td></tr>
<tr><td colspan="4">Action 1: For sustaining the attainment, students will be motivated to take Career readiness program, corporate lectures and motivational talks are arranged on regular-basis. (Full Semester Internship)</td></tr>
<tr><td colspan="4">PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.</td></tr>
<tr><td>PO9</td><td>2</td><td>2.57</td><td>Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.</td></tr>
<tr><td colspan="4">Action 1: Institute has initiated Program which provides a platform to work in individual as well as a group in the fields of Engineering helps the students to groom the skills like leadership, effective team member. Mini Projects/ Main Projects/FSI and their execution and evaluation is the best output in this regard.</td></tr>
<tr><td colspan="4">PO10: 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.</td></tr>
<tr><td>PO10</td><td>2</td><td>2.70</td><td>Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.</td></tr>
<tr><td colspan="4">Action 1: In addition to English Communication skills Lab,Soft skills training like CC&EC and Employbility Skills is imparted to students to enhance various aspects of communication/technical talks by group discussions, presentations and new learning outcomes.
Action 2: Dessimination of the concusions upon the literature study or completion experiments will be practiced by the students through Term Paper/ Mini Projects/ Main Projects/FSI</td></tr>
<tr><td colspan="4">PO11: 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.</td></tr>
<tr><td>PO11</td><td>2</td><td>2.04</td><td>Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.</td></tr>
<tr><td colspan="4">Action 1: It is proposed to have Co-Curricular activities on demonstrating the application of engineering and management principles to a particular task
Action 2: The awareness created among the student regarding the management principles and managing projects.</td></tr>
<tr><td colspan="4">PO12: 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</td></tr>
<tr><td>PO12</td><td>2</td><td>2.71</td><td>Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.</td></tr>
<tr><td colspan="4">Action 1: MOOCs is introduced in the curriculum to nurture the self learning ability among students.
Action 2: Students are encouraged to participate in Model making related contests to realize the importance of self-learning as a part of life-long learning.</td></tr>
<tr><td colspan="4">PSO1: Apply the knowledge of technological evolutions, model / character the devices and design the integrated as to build analog and digital systems.</td></tr>
</table>

PSO1	2	2.37	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: Students are motivated to take up the problems during their project work so that they would analyze the problem, design the Circuit/Model/Architecture and implement it to build digital systems			
PSO2: Understand and apply the fundamentals of communication and signal processing to develop systems wrapped with industry standard protocols and standards			
PSO2	2	2.47	Though the overall attainment level is met the target level, there is a scope for the improvement in the attainment level.
Action 1: Students are motivated to take up the problems during their project work so that they would analyze the problem, develop the Algorithm/Model and simulate it for validation			

7.2 Academic Audit and Actions taken thereof during the period of Assessment (15)

All the academic audits are spearheaded by the IQAC through various committees. The following are the various committees & meetings with the frequency of happening that ensures the respective KPI are achieved:

S. No.	Committee	Frequency of Audit/Meetings	Key Performance Indicators
1	Academic Monitoring Committee (AMC)	4	Delivery, Syllabus coverage, Mentoring, ICT usage
2	Course Coordinators' Committee (CCC)	8	Lesson plan, & dairy, Uniform course delivery, Question paper setting, Assessment & Evaluation, Remedial measures
3	Academic Audit Committee	2	Reviews of ATRs of AMC, CCC, Track sheets for remedial measures & classes, Conduct of semester end examinations and result analysis. Course file compliance, AMC ATR
4	Continuous Improvement Audit Committee	2	COAR attainment with ATR course wise, Extension activities, Placements & Career development with remedial measures

1. Academic Monitoring Committee (AMC): Academic Monitoring Committee comprising of the Program coordinator, Student representatives from different levels of learning and a nominee of IQAC as an observer shall meet twice in a semester. Students feedback on quality of

classroom delivery, Completion of syllabus, Clarification of doubts, Usage of ICT tools by the teacher Mentoring and monitoring of slow learners is reviewed.

2. Course Coordinators' Committee (CCC): A committee comprising of course coordinator & Instructors shall plan, review and ensure the conduct of classes as per the academic calendar. Committee also reviews and ensures the uniform coverage of syllabus in multi section courses and setting of the common question paper for all the sections along with the mapping of course outcomes and cognitive learning levels.

3. Academic Audit Committee: A committee constituted by IQAC comprising of program level members shall audit the minutes and ATRs of AMC, CCC. The audit ensures that all the SOPs related to the conduct of remedial classes, Semester end examinations, and results analysis are followed and recorded.

4. Continuous Improvement Audit Committee: A committee constituted by IQAC conducts audit at the end of every semester ensure continuous improvement in line with the OBE philosophy. For every semester, the committee verifies the tool used to calculate the attainment of COs and the remedial actions suggested for continuous improvement with reference to target performance level.

The committee also audits the continuous progress of the students in terms of Extension activities, Placements & Quality of placements and Career progression for higher education.

7.3 Improvement in placement, Higher Studies and Entrepreneurship (10)

Year	No of students Appeared in Final year exams (N)	No of the students Graduated	No of student (Placed + Higher Education + Entrepreneurship) (Z)	% Placement (Z/N)
2021-22	185	170	(154+0+0)=154	91.89%
2020-21	193	168	(124+3+0)=127	66.8%
2019-20	194	169	109+7+1=117	60.3%
2018-19	199	160	112+6+1=119	60.4%
2017-18	198	156	124+4+0=128	64.6%

Placement:

S.No	Academic Year	No.of students Placed	Average Salary
1	2021-22	154	4.35 LPA
2	2020-21	149	3.65 LPA
3	2019-20	142	3.44 LPA
4	2018-19	128	3.34 LPA
5	2017-18	124	2.88 LPA

Higher Education:

S.No	Academic Year	No. of Students admitted to higher studies
1	2021-22	0
2	2020-21	3
3	2019-20	7
4	2018-19	6
5	2017-18	4

Entrepreneurs:

S.No	Academic Year	Entrepreneurs
1	2021-22	0
2	2020-21	0
3	2019-20	1
4	2018-19	1
5	2017-18	0

7.4 Improvement in quality of students admitted to the program (20)

Item		2021-22	2020-21	CAY	CAYm1	CAYm2
National level Entrance Examination (Name of Entrance Examination)	No. of students admitted	-	-	-	-	-
	Opening score/rank	-	-	-	-	-
	Closing score/rank	-	-	-	-	-
State/Institute/ Level Entrance Examination/	No. of students admitted	**197**	**193**	193 (EWS Quota	173	180

Others (Name of Entrance Examination)				10% Adding on Convenor Intake)		
	Opening score/rank	10417	8598	8870	5863	2502
	Closing score/rank	11285	12658	15380	12170	19708
Name of Entrance Examination for Lateral Entry or lateral entry details	No. of students admitted	17	18	23	23	22
	Opening score/rank	161	178	844	463	301
	Closing score/rank	345	435	1472	1912	4058
Average CBSE/ Any other Board Result of admitted students (Physics, Chemistry & Mathematics)		88.77	87.61	88.97	88.97	92.01

CRITERIA 8

8 FIRST YEAR ACADEMICS (50)

8.1 First Year Student-Faculty Ratio (FYSFR) (5)

Total Marks 50

Institute Marks: 5.00

Please provide First year faculty information considering load

Names of the Faculty	PAN No.	Qualification	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of Joining	Teaching Load (%)				Currently Associate (Yes/No)	Nature of Associate (Regular/Adhoc)	Date of leaving (Incase of currently associated is 'No')
							(2021-22)	CAY (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)			
Dr A Rambabu	BFBPA9962C	MSc, PhD	11.06.2013	Physics	Senior Assistant Professor	24.06.2019	100	100	100	0	Yes	Regular	
Dr C V Seshaiah	ANDPS2285F	MSc,Ph.D.	24.03.1991	Mathematics	Professor	1.06.2018	0	0	100	100	No	Regular	30-10-2020
Dr Ch Srinivasa Rao	AZDPC5285D	MA.(Eng. Lit.), Ph.D	17.07.2019	Indian writing in English literature	Assistant professor	11.06.2012	100	100	100	100	Yes	Regular	
Dr D Krishna Rao	AHLPD8340C	MSc, PhD	26.07.1985	Physics	Professor	1.06.2012	0	0	0	100	No	Regular	30-10-2019
Dr D Tejeswara Rao	BCMPD5021P	MSc,Ph.D.	21.12.2013	Medicinal Chemistry	Assistant professor	10.09.2012	100	100	100	100	Yes	Regular	

Dr G Thirumala Rao	BJVPG7880F	MSc, Ph.D.	27.03.2016	Physics - Materials Science - Nanomaterials	Assistant Professor	10.12.2015	100	100	100	100	Yes	Regular	
Dr K Dasu Naidu	BSCPK7988J	MSc,M.Phil, PhD	10.08.2017	Relativity and cosmology	Assistant Professor	18.08.2009	75	100	100	100	Yes	Regular	
Dr K Gourunaidu	AJBPK0505G	MSc, PhD	20-08-1994	Environmental Studies	Professor	3.10.1997	0	0	100	100	No	Regular	30-10-2020
Dr K Koteswara Rao	BUFPK1599C	MSc, PhD	18.08.2005	Solid state chemistry	Asst. Professor	25.09.2010	100	100	100	100	Yes	Regular	
Dr M Eswara Rao	ARMPM7615A	MA,M.Phil,Ph D	27.10.2017	Indian English novel	Asst Professor	28.06.2008	100	100	100	100	Yes	Regular	
Dr M V Subba Rao	AJWPM3336Q	MSc, Ph.D	06.11.2002	Physical chemistry	Associate Professor	28.08.2002	100	100	100	100	Yes	Regular	
Dr M Varun Kumar	CTHPM5317C	MSc, Ph.D	18-08-2018	Biomechanics	Assistant Professor	01.06.2018	50	0	0	100	No	Regular	20-05-2022
Dr P Geeta	BZFPP4489K	MSc,M.Phil,Ph D	03.12.2020	Physics-Material science	Assistant professor	02.07.2012	100	100	100	100	No	Regular	11/6/2022
Dr. V.Khidir Brahmendra	EGRPK2633C	M.Sc., P.hD	23.09.2020	Solid state Physics	Assistant Professor	28.07.2017	75	75	75	75	Yes	Regular	
Dr P Sumati Kumari	ASKPM9976B	MSc, Ph D	17.01.2015	Fixed point theory	Associate Professor	08-06-2018	75	100	100	100	Yes	Regular	
Dr R.L Naidu	AFHPR6007C	MSc,M.Phil,Ph D	16.08.2008	Relativity, Cosmology	Professor	26.11.2001	75	100	100	100	Yes	Regular	
Mr. Visweswara Rao	AMVPC9985D	MBA	03.06.2011	Business Analytics	Assistant Professor	10.11.2017	100	100	100	100	Yes	Regular	
Dr Rajendra Kumar Dash	AJPAD 6385B	MA, M.Phil, PhD	15.06. 2013	Linguistics and ELT	Associate Professor	09.05.2018	100	100	100	100	Yes	Regular	

Dr S P Sekhara Rao	AVTPS9517J	MA,M.Phil,Ph D	18.09.2020	South African Literature	Assistant Professor	23.09.2011	100	100	100	100	Yes	Regular	
Dr Simhachalam T	BKKPT7030G	M.A.(ELT),Ph.D	13.03.2019	English Language Teaching	Assistant Professor	23.06.2018	100	100	100	100	Yes	Regular	
Dr Sudhir Kumar Patnaik	ASQPP7605J	MA, M.Phil, Ph.D	18.06.2014	Mass Communication	Senior Assistant Professor	06.06.2019	100	100	100	0	Yes	Regular	
Dr T Samuel	AYOPT9568N	MSc, PhD	18.01.2018	Physics (Nanomaterials)	Assistant professor	30.05.2019	100	100	100	0	Yes	Regular	
Dr U Y Divya Prasanthi	ACSPU1803F	MSc, PhD	19.01. 2018	Relativity and Cosmology	Assistant Professor	08.06.2019	75	100	100	0	No	Regular	31-05-2022
Dr V Dhilleswara Rao	ALMPV5112B	MSc, M.Phil, Ph.D	16.09.2020	Environemental chemistry	Assistant Professor	23.09.2010	100	100	100	100	Yes	Regular	
Dr V Sharon Luther	ACZPV9015H	MA, Ph D	09.09.2016	English	Assistant Professor	1.06.2018	0	0	0	100	No	Regular	24-10-2019
Dr VSSR Gupta	ACOPV2036M	MSc,Ph.D	12.08.1995	Mathematical modeling	Professor	15.11.1997	100	100	100	100	Yes	Regular	
Dr Y Aditya	AHTPY5987A	MSc, PhD	19-01-2018	Relativity, Cosmology and Modified theories of gravitation	Assistant Professor	08.06.2019	100	100	100	0	Yes	Regular	
Mr B Lakshmana Rao	AYSPB4603N	MA, B.Ed	28.02.2013	English Literature / English Language Teaching	Assistant Professor	3-09-2013	100	100	100	100	Yes	Regular	
Mr B Nagamani Naidu	AYXPB7022J	M.Sc	31.08.2006	Chemistry	Assistant prifessor	10.8.2009	100	100	100	100	No	Regular	15-10-2022
Mr D Govinda	BPZPD4545Q	M.Sc	30.04.2009	Physics	Assistant Professor	20.06.2011	100	100	100	100	Yes	Regular	

Mr K Ravi Babu	BWKPK4768G	MSc, M.Phil	07.3.2005	Mathematics	Assistant Professor	17.06.2011	0	100	100	100	Yes	Regular	
Mr N Santoshkumar	ANCPN7050Q	M.Sc	01.06.2011	Analytical Chemistry	Assistant professor of chemistry	24.06.2011	100	0	0	100	Yes	Regular	
Mr Raja Sekhar	ACMPV4914G	M.E/M.Tech	1.09.2017	Structural Engineering	Assistant Professor	06.08.2005	100	100	100	100	Yes	Regular	
Mr M Venkatesh	AQFPM3764Q	M.E/M.Tech	04.08.2010	Power Electronics & Drives	Assistant Professor	15.06.2012	100	100	100	100	Yes	Regular	
Mr BMS Sreenivasa Rao	BLLPB3270N	B.Tech & M.Tech	1.09.2011	RADAR and Microwave Engineering	Assistant Professor	18-06-2012	100	100	100	100	Yes	Regular	
Mrs S S Durga Kameswari	BNRPS3083G	B.Tech & M.Tech	06.12.2011	Digital Electronics and Communication Systems	Assistant Professor	23-08-2008	100	100	100	100	Yes	Regular	
Mr P V V. Pavan Kumar	AZDPP6877A	M.E/M.Tech	19.05.2015	Alternate Hydro Energy Systems	Assistant Professor	01.09.2015	100	100	100	100	Yes	Regular	
Mr V Manoj	ASVPV3925A	M.Tech	23-6-2012	Power Systems & Automation	Assistant Professor	28-May-13	100	100	100	100	Yes	Regular	
Dr C L V R S V Prasad	AEKPC9472L	M.E/M.Tech, Ph.D	06.04.2004	Manufacturing	Professor	14.06.2005	25	25	25	25	Yes	Regular	
Mr G Sasidhar	ATBPG1059P	M.E/M.Tech	22.12.2011	Machine Design	Assistant Professor	11.06.2018	100	100	100	100	Yes	Regular	
Ms. Meena Tirupati	AFLPT4910Q	B.Tech, MBA	2.09.2011	Computer Networks	Assistant Professor	27.07.2015	100	100	100	100	No	Regular	25-07-2022

Ms. Shramila Sangireddi	FBGPS2263R	MBA	28.07.2013	Business Analytics	Assistant Professor	28.08.2015	100	100	100	100	No	Regular	22-08-2022
Mr.B.Kondala Rao	ARWPK6738Q	M.Sc., M.Phil	12.08.2005	Fixed point theory	Assistant Professor	12.08.2003	75	75	75	75	Yes	Regular	
Mr. Syed Mohibur Rahaman	CGWPS4581G	M.A. M.B.A., M.Phil	5.08.2007	Psychologist	Assistant Professor	17.06.2014	100	100	100	100	No	Regular	31-05-2022
Mr.Sangram Khuntia	BIDPK1526K	MBA	6.12.2009	Industrial Psychology	Assistat Manager	16.10.2017	0	100	100	100	No	Regular	30-07-2021
Dr.Tushar Manoharrao Somnathe	BBXPS2139B	MBA, Ph.D	19.11.2016	Business Analytics	Assistant Professor	05.12.2017	0	0	100	100	No	Regular	17-11-2020
Dr. Bh.ArunKumar	AHPPB5744G	Ph.D	25.07.2017	Physical Education	Associate Professor	28.08.1998	100	50	50	50	yes	Regular	
Dr. T. VenkataRao	ACHPT8483D	M.A., Ph.D.	26.10.2012	Indian Knowledge system	Associate Professor	14.02.2005	0	50	50	50	No	Regular	4/8/2021
Dr. P Murali Mohan Kumar	DJVPK5694P	MSc, PhD	18.02.2019	Numerical analysis	Assistant Professor	30.07.2018	50	100	100	100	Yes	Regular	
Dr D Srinvas Kumar	AMGPD2140J	MBA, Ph.D.	08.11.2010	Economics & Accountancy	Professor	30.06.2007	100	100	100	100	Yes	Regular	
Dr. KVS Prasad	AQYPK6380M	MBA, Ph.D.	10.08.2011	Environmental studies	Associate Professor	13.08.2007	100	100	100	100	Yes	Regular	
Mr.K.V.Sanyasi Raju	AJMPR0959A	M.B.A.	27.07.2001	Environemental Management	Assistant Professor	30.12.2000	50	50	50	50	Yes	Regular	
Mr.G.Surya Prakasa Rao	AJOPR9836Q	M.B.A.	31.12.2008	Financial Management	Assistant Professor	28.02.1998	50	50	50	50	Yes	Regular	
Mr.P Sankara rao	AHLPP4218K	M.Sc., M.Tech.	24.10.2011	Electronic information system	Assistant Professor	07.07.2017	75	75	75	75	Yes	Regular	

Mr.Rajaraman Vaidhyanathan	AAJPR2102H	ME	28.09.1996	Electronics	Assistant Professor	18.01.2019	0	100	100	100	No	Regular	31-05-2022
Mr.Konapala Venugopal	AWBTR9015M	M.Sc.(Tech)., M.Tech.	06.04.2016	Radar and Microwave Engineering	Assistant Professor	28.07.2017	100	100	100	100	Yes	Regular	
Ms.Pragada Padmavati	CWGPP9751B	MCA., M.Tech	12.12.2013	Machine Learning	Assistant Professor	29.07.2017	0	100	100	100	Yes	Regular	
Dr.DeepshikaDatta	AITPD1443K	M.Tech, Ph.D.	07.02.2020	Biodegradability,Morphology& Thermo mechanical properties	Assistant Professor	14.10.2019	100	0	0	0	No	Regular	29.10.2022
Dr. Shaik Shadulla	EFNPS5769L	M.Tech, Ph.D.	24.11.2020	chemical engineering	Assistant Professor	16.09.2019	75	0	0	0	No	Regular	23-05-2022
Dr.K.Appa Rao	AINPA1590N	M.Sc., M.Phil., PhD	07.07.2018	Environmental Chemistry	Assistant Professor	01.07.2003	75	75	75	75	Yes	Regular	
Dr.Surya Narayana Dash	BJDPS4909M	M.Tech & Ph.D.	01.03.2013	chemical engineering	Professor & CDC Head	06.12.2006	50	0	0	0	Yes	Regular	
Dr.V Hari Priya	AGKPV6156A	M.Sc, Ph.D.	04.08.2018	Organic synthesis & Heterocyclic compounds	Assistant Professor	20.12.2021	100	0	0	0	Yes	Regular	
Dr.NCH.Ramgopal	AEYPN8812M	M.Sc. Ph.D.	09.04.2016	Fluid Dynamics	Assistant Professor	13.07.2021	100	0	0	0	No	Regular	13-10-2022
V.Srinivasa Rao	BHIPS7693P	M.Sc., M.Phil	05.08.2006	Numerical analysis	Assistant Professor	10.07.2001	75	75	75	75	Yes	Regular	
Dr.A.Ganapathi Rao	ATTPA1499H	M.Phil, Ph.D.	16.08.2021	Applied group theory	Assistant Professor	22.01.2022	100	0	0	0	Yes	Regular	
Dr.B Viswanadhan	AYPPB0499M	M.Sc, Ph.D.	17.06.2015	Heterogenous catalysis and matreial science	Associate Professor	30.06.2021	100	0	0	0	Yes	Regular	

Dr.P S V Narayana	BKAPP6811P	Ph.D.	25.08.2010	Materials Engineering	Professor & Associate Dean R&D	25.03.2021	100	0	0	0	Yes	Regular	
Dr. K Murali Kumar	bdcpk5069h	M.Li Sc, Ph.D.	23.07.2019	library and information science	Assistant Professor	07.02.2022	50	0	0	0	Yes	Regular	

Year	Number Of Students (approved intake strength) N	Number of Faculty members (considering fractional load) F	FYSFR (N/F)	*Assessment = (5*20)/FYSFR (Limited toMax.5)
(CAYm2) 2018-19	870	50	17	5
(CAYm1) 2019-20	930	51	18	5
(CAY) 2020-21	930	48	19	5
2021-22	1050	58	18	5
Average	970	52.33	18.33	5

Average FYSFR: 18.33

8.2 Qualification of Faculty Teaching First Year Common Courses (5)

Total Marks 4.23
Institute Marks: 4.23

Year	(X) No. Of Regular Faculty with PhD	(Y)No. Of Regular Faculty with Post Graduation	RF (Number of Faculty Members Required as Per SFR Of 20:1)	Assessment Of Faculty Qualifications (5x+3y)/RF
2018-19	22	18	44	3
2019-20	28	19	47	4
2020-21	29	19	47	4

2021-22	37	21	52.5	4.7

Average Assessment: 4.23

8.3 First Year Academic Performance (10)

Total Marks 7.89

Institute Marks: 7.89

Academic performance	**2021-22**	**CAYm1 2020-21**	**CAY m2 2019-20**	**CAY m3 2018-19**	**CAY m4 2017-18**
Mean of CGPA or mean percentage of all successful students(X)	8.32	7.7	7.65	7.7	7.79
Total Number of successful students(Y)	1047	956	908	729	795
Total Number of students appeared in the examination(Z)	1047	956	908	729	795
API [X*(Y/Z)]	8.32	7.7	7.65	7.7	7.79

Average API [(AP1+AP2+AP3)/3]: 7.89

Assessment = Average API: 7.89

8.4 Attainment of Course Outcomes of first year courses (10)

Total Marks 10.00

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)

Institute Marks: 5.00

To calculate the CO attainment direct tools are considered with 100% weightage. The direct tool is based on the marks scored by the student in the course. Based on the CO attainment year on year corrective measures are taken up and threshold is set.

The direct tools used to calculate CO attainment in each course are based on the marks scored in continuous assessment 1,2 ,3 and semester end exams. For each of the assessment tool a rubric is designed and the attainment is calculated by taking the performance minimum of 75% students in a class

No.	**Assessment Method/tool**	**Weightage %**	**Frequency of Assessment**	**Assessor**

Direct Method				
1	Sessional exams / question paper Theory course	40% of Mid semester + 60 % of End semester	Thrice in a semester	Course instructor
2	Laboratory Course/ Job Assessment		Weekly	
3	Semester End Examinations		Once in a semester	External/ Internal subject experts

8.4.2 Record the attainment of Course Outcomes of all first-year courses (5) Institute Marks: 5.00

2021-2022

S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6
1	C101	CE	2.00	2.00	3.00	2.00	2.00	2.00
2	C102	ACE	2.00	2.00	2.00	2.00	2.00	2.00
3	C103	M-I	2.00	2.00	2.00	2.00	2.00	2.00
4	C104	M-II	2.00	2.00	2.00	2.00	2.00	2.00
5	C105	EP	2.00	2.00	2.00	2.00	2.00	2.00
6	C106	EC	2.00	2.00	2.00	2.00	2.00	2.00
7	C107	ECS LAB	2.00	2.00	2.00	2.00	2.00	2.00
8	C108	EP Lab	2.00	2.00	2.00	2.00	2.00	2.00
9	C109	EC Lab	2.00	2.00	2.00	2.00	2.00	2.00
10	C110	BASICS OF ENGG	2.00	2.00	2.00	2.00	2.00	2.00
11	C111	PSPS	2.00	2.00	2.00	2.00	2.00	2.00
12	C112	PSPS LAB	2.00	2.00	2.00	2.00	2.00	2.00
13	C113	PP	2.00	2.00	2.00	2.00	2.00	2.00
14	C114	PP Lab	2.00	2.00	2.00	2.00	2.00	2.00
15	C115	ED	2.00	2.00	2.00	2.00	2.00	2.00
16	C116	EWS	2.00	2.00	2.00	2.00	2.00	2.00
17	C117	ITWS	2.00	2.00	2.00	2.00	2.00	2.00

2020-2021

S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6
1	C101	CE	2.00	2.00	3.00	2.00	2.00	3.00
2	C102	ACE	3.00	3.00	3.00	3.00	3.00	2.00
3	C103	M-I	2.00	2.00	2.00	2.00	2.00	2.00
4	C104	M-II	2.00	2.00	2.00	2.00	2.00	2.00
5	C105	EP	3.00	3.00	2.00	3.00	2.00	2.00
6	C106	EC	2.00	2.00	2.00	2.00	2.00	2.00
7	C107	ECS LAB	2.00	2.00	2.00	2.00	2.00	2.00
8	C108	EP Lab	2.00	2.00	2.00	2.00	2.00	2.00
9	C109	EC Lab	2.00	2.00	2.00	2.00	2.00	2.00
10	C110	BASICS OF ENGG	2.00	2.00	2.00	2.00	2.00	2.00
11	C111	PSPS	3.00	2.00	2.00	3.00	3.00	3.00
12	C112	PSPS LAB	2.00	2.00	2.00	2.00	2.00	2.00
13	C113	ED	2.00	2.00	2.00	2.00	2.00	2.00
14	C114	EWS	2.00	2.00	2.00	2.00	2.00	2.00

2019-2020

S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6
1	C101	CE	2	2	2	2	2	3
2	C102	ACE	3	3	2	2	2	2
3	C103	M-I	3	2	2	2	2	2
4	C104	M-II	2	2	2	2	2	2
5	C105	EP	2	2	2	2	2	2
6	C106	EC	2	2	2	2	2	2
7	C107	ECS LAB	2	2	2	2	2	2
8	C108	EP Lab	2	2	2	2	2	2
9	C109	EC Lab	2	2	2	2	2	2
10	C110	BASICS OF ENGG	2	2	2	2	2	2
11	C111	PSPS	2	2	2	2	2	2
12	C112	PSPS LAB	2	2	2	2	2	2
13	C113	ED	2	2	2	2	2	2
14	C114	EWS	2	2	2	2	2	2

2018-2019

S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6
1	16HSX01	ECS-I	3	2	3	3	3	2
2	16HSX03	ECS-II	2	3	3	3	2	2
3	16MAX01	M-I	2	2	2	2	2	2
4	16MAX02	M-II	2	2	2	2	2	2
5	16PYX01	EP	2	2	2	2	2	2
6	16CYX01	EC	2	2	2	2	2	2
7	16HSX02	ECS LAB	2	2	2	2	2	2
8	16PYX02	EP Lab	2	2	2	2	2	2
9	16CYX02	EC Lab	2	2	2	2	2	2
10	16CSX01	FCP	2	2	2	2	2	2
11	16CSX02	FCP Lab	2	2	2	2	2	2
12	16EEX01	EEE	2	2	2	2	2	3
13	16MEX01	EME	2	2	2	2	2	2
14	16MEX02	ED	2	2	2	2	2	2
15	16MEX03	EW	2	2	2	2	2	2
16	16CHX01	ES	3	1	3	2	2	2

2017-2018

S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6
1	16HSX01	ECS-I	2	2	2	2	2	2
2	16HSX03	ECS-II	3	3	3	3	3	3
3	16MAX01	M-I	2	2	3	2	2	2
4	16MAX02	M-II	2	2	2	2	2	2
5	16PYX01	EP	3	2	2	2	2	2
6	16CYX01	EC	3	2	2	2	2	2
7	16HSX02	LLS LAB	2	2	2	2	2	2
8	16PYX02	EP Lab	2	2	2	2	2	2
9	16CYX02	EC Lab	2	2	2	2	2	2
10	16CSX01	FCP	2	2	2	3	2	2
11	16CSX02	FCP Lab	2	2	2	2	2	2
12	16EEX01	EEE	2	2	2	3	3	3
13	16MEX01	EME	2	2	2	2	2	2
14	16MEX02	ED	2	2	2	2	2	2

15	16MEX03	EW	2	2	2	2	2	2
16	16CHX01	ES	3	3	3	2	2	2

2016-2017

S. No.	Course Code	Course Name	CO1	CO2	CO3	CO4	CO5	CO6
1	16HSX01	ECS-I	2	2	3	2	3	2
2	16HSX03	ECS-II	3	3	3	3	2	3
3	16MAX01	M-I	2	2	3	2	2	2
4	16MAX02	M-II	2	2	2	2	2	2
5	16PYX01	EP	2	2	2	2	2	2
6	16CYX01	EC	3	2	2	2	2	2
7	16HSX02	LLS LAB	2	2	2	2	2	2
8	16PYX02	EP Lab	2	2	2	2	2	2
9	16CYX02	EC Lab	2	2	2	2	2	2
10	16CSX01	FCP	3	2	2	2	2	2
11	16CSX02	FCP Lab	3	3	3	3	3	3
12	16EEX01	EEE	2	2	2	2	3	3
13	16MEX01	EME	2	2	2	2	2	2
14	16MEX02	ED	2	2	2	2	2	2
15	16MEX03	EW	2	2	2	2	2	2
16	16CHX01	ES	3	2	2	2	2	2

8.5 Attainment of Program Outcomes from first year courses (20) Total Marks 20.00

8.5.1 Indicate results of evaluation of each relevant PO and/or PSO if applicable (10) Institute Marks: 10.00

POs Attainment:

2021-2022

S. No.	Course Code	Program Outcome/ Courses	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	C101	CE	-	-	-	-	-	-	-	-	-	2	-	1
2	C102	ACE	-	-	-	-	-	-	-	-	-	2	-	1
3	C103	M-I	2	-	-	-	-	-	-	-	-	-	-	1

4	C104	M-II	2	-	-	-	-	-	-	-	-	-	-	1
5	C105	EP	2	-	-	-	-	-	-	-	-	-	-	1
6	C106	EC	2	-	-	-	-	-	-	-	-	-	-	1
7	C107	ECS LAB	-	-	-	-	-	-	-	-	-	2	-	1
8	C108	EP Lab	-	-	-	2	-	-	-	-	-	-	-	-
9	C109	EC Lab	-	-	-	2	-	-	-	-	-	-	-	-
10	C110	BE	2	-	-	-	-	-	-	-	-	-	-	1
11	C111	PSPS	2	-	-	-	-	-	-	-	-	-	-	2
12	C112	PSPS LAB	2	-	-	-	-	-	-	-	-	-	-	-
13	C113	PP	2	-	-	-	-	-	-	-	-	-	-	1
14	C114	PP Lab	-	-	-	2	-	-	-	-	-	-	-	-
15	C115	ED	2	-	-	-	3	-	-	-	-	2	-	-
16	C116	EW	2	-	-	-	-	-	-	-	2	2	-	-
17	C117	IT WS	2	-	-	-	-	-	-	-	-	-	-	2
	AVERAGE		2			2	3	-	-	-	2	2	-	1.18

2020-2021

S. No.	Course Code	Program Outcome/ Courses	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	C101	CE	-	-	-	-	-	-	-	-	-	2	-	1
2	C102	ACE	-	-	-	-	-	-	-	-	-	3	-	1
3	C103	M-I	2	-	-	-	-	-	-	-	-	-	-	-
4	C104	M-II	2	-	-	-	-	-	-	-	-	-	-	-
5	C105	EP	2	-	-	-	-	-	-	-	-	-	-	1
6	C106	EC	2	-	-	-	-	-	-	-	-	-	-	1
7	C107	ECS LAB	-	-	-	-	-	-	-	-	-	2	-	1
8	C108	EP Lab	-	-	-	2	-	-	-	-	-	-	-	-
9	C109	EC Lab	-	-	-	1	-	-	-	-	-	-	-	-
10	C110	BE	2	-	-	-	-	-	-	-	-	-	-	1
11	C111	PSPS	2	-	-	-	-	-	-	-	-	-	-	2
12	C112	PSPS LAB	-	-	-	1	-	-	-	-	-	-	-	-
13	C113	ED	2	-	-	-	1	-	-	-	-	2	-	-
14	C114	EW	2	2	-	-	-	-	-	-	-	2	-	-

	AVERAGE	2	2	-	1.33	1	-	-	-	-	2.2	-	1.14

2019-2020

S. No.	Course Code	Program Outcome/ Courses	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	C101	CE	-	-	-	-	-	-	-	-	-	2	-	-
2	C102	ACE	-	-	-	-	-	-	-	-	-	2	-	-
3	C103	M-I	2	-	-	-	-	-	-	-	-	-	-	-
4	C104	M-II	2	-	-	-	-	-	-	-	-	-	-	-
5	C105	EP	2	-	-	-	-	-	-	-	-	-	-	-
6	C106	EC	2	-	-	-	-	-	-	-	-	-	-	-
7	C107	ECS LAB	-	-	-	-	-	-	-	-	-	2	-	-
8	C108	EP Lab	-	-	-	1	-	-	-	-	-	-	-	-
9	C109	EC Lab	-	-	-	1	-	-	-	-	-	-	-	-
10	C110	BE	3	-	-	-	-	-	-	-	-	-	-	1
11	C111	PSPS	2	-	-	-	-	-	-	-	-	-	-	1
12	C112	PSPS LAB	-	-	-	2	-	-	-	-	-	-	-	-
13	C113	ED	-	-	-	2	-	-	-	-	2	2	-	-
14	C114	EW	1	1	-	-	-	-	-	-	-	1	-	1
	AVERAGE		2	1	-	1.5	-	-	-	-	2	1.8	-	1

PO Attainment Level

PO Attainment Level:

Course	PO1	PO2
NA	NA	NA

PSOs Attainment:

Course	PSO1	PSO2
NA	NA	NA

8.5.2 Actions taken based on the results of evaluation of relevant POs and PSOs (10) Institute Marks: 10.00

POs Attainment Levels and Actions for Improvement- (2021-2022**)**

POs	Target Level	Attainment Level	Observations
PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. (Engineering knowledge)			
PO1	2	2	Target level achieved.
Action: (i) Student to be given more problems in Mathematics, physics & chemistry as tutorials (ii) Students are to be supervised for their problem-solving abilities in a stepwise increase of difficulty level and constantly upgraded their solving ability.			
PO4: 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. (Conduct investigations of complex problems)			
PO4	2	2	Target level achieved
Action: (i) Students will be given some research papers and encouraged to write mini reports. (ii) Students will be encouraged for more paper presentations.			
PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations (Modern tool usage)			
PO5	2	3	Target level achieved
Action: (i) Students are introduced to CAD and Design related software, arrange some practice sessions (ii) Students are encouraged to learn new online free software's and operation procedures of equipment by simulation			
PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. (Individual and team work)			
PO9	2	2	Target level achieved.
Action:			

(i) Students are given group activities and monitor their progress of practice regularly (ii) Students are given individual responsibilities of tasks planned and freedom to take decisions for certain activities			
PO10: 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. (Communication)			
PO10	2	2	Target level achieved
Action: (i) More practice exercises are given to students via seminars, essay writing events. (ii) More opportunity is given for event report to print media & electronic media			
PO12: 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. (Life-long learning)			
PO12	2	1.18	Target level not achieved
Action: (i) Industrial visits to be planned for real-time exposure. (ii) Organize group discussions, seminars to make learning more interactive and attractive. (iii) Students are Motivated to consider higher studies also.			

Pos Attainment Levels and Actions for Improvement- (2020-2021**)**

Pos	Target Level	Attainment Level	Observations
PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. (Engineering knowledge)			
PO1	2	2	Target level achieved.
Action: (i) Student are given more problems in Mathematics, physics & chemistry as tutorials (ii) Students are supervised for their problem-solving abilities in a stepwise increase of difficulty level and constantly upgrade their solving ability.			
PO2: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences (Problem analysis).			

PO2	2	2	Target level achieved.
Action: (i) Give a greater number of problems based on practical applications. (ii) Make students practice more number of mathematical problems.			
PO4: 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 (Conduct investigations of complex problems).			
PO4	2	1.33	Target level not achieved
Action: (i) Students are to be given some research papers and encouraged to write mini reports. (ii) Students are to be encouraged for more paper presentations.			
PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations (Modern tool usage).			
PO5	2	1	Target level not achieved
Action: (i) Students are to be introduced to CAD and Design related software, arrange some practice sessions (ii) Students are to be encouraged to learn new online free software and operation procedures of equipment by simulation			
PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings (Individual and team work).			
PO10	2	2.2	Target level achieved
Action: (i) More practice exercises are given to students via seminars, essay writing events. (ii) More opportunity is given for event report to print media & electronic media			
PO12: 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 (Life-long learning).			
PO12	2	1.14	Target level not achieved
Action: (i) More industrial visits to be organized to get real-time exposure. (ii) Students to be encouraged for mutually exchanging their knowledge via group discussions, seminars to make learning more interactive and attractive. (iii) More students are to be encouraged to consider higher studies also.			

CRITERIA - 9

9.1 Mentoring System to help at Individual Level (5)

Table 9.1.1

S. No.	Details	Status
1	Mentoring System	Yes in-place
2	Type of mentoring	All-round development
3	Number of faculty mentors	All the faculty members
4	Number of students per mentor	15 – 20
5	Frequency of mentoring	Once in a month or as and when needed

Each faculty member in the respective department is assigned with a group of 15-20 students from the same department across all the years. The group of students who are assigned to a particular faculty will be under the mentorship of the same faculty for all the three years in the department and the records are maintained by the mentors. The faculty member will be continuously mentoring the mentees for a holistic development (professional guidance, career advancement and academic related) at regular intervals or as and when needed to guide the students to reach their goals. In case of any deviation in the performance or any kind of distractions observed with any of their mentees, the respective mentor communicates the same to the concerned to facilitate the mentee to perform in a better way for continuous improvement. Based on the need and necessity, the mentees are also recommended for consultancy with the professional psychologist to improve their personal, professional and psychological stability.

Effectiveness of the System:

- The mentoring system developed by the institute has been proved to be effective considering different parameters.
- The regularity of the students has been improved reducing the number of detentions
- Participation of the students in co-curricular and extracurricular activities has been increased
- Academic performance has been increased
- Increase the number of Placements

Table 9.1.2

SNo	Mentoring Attributes	(2021-22)			CAY (2020-21)			CAYm1 (2019-20)			CAYm2 (2018-19)			CAYm3 (2016-17)		
1	Co-curricular	308			554			468			497			267		
2	Extracurricular activities	199			04			139			166			96		
3	Academic performance	678			678			513			496			492		
4	Placements	Placement Eligibility (Semester)			Placement Eligibility (Semester)			Placement Eligibility (Semester)			Placement Eligibility (Semester)			Placement Eligibility (Semester)		
		V	VI	VII	V	VI	VII	V	VI	VII	V	VI	VII	V	VI	VII
		629	657	597	599	601	615	632	649	705	548	568	616	602	615	641

9.2. Feedback analysis and reward /corrective measures taken, if any (10)

Table 9.2.1

S. No	Details	Status
1	Feedback collected for all courses	Yes.
2	Frequency of the feedback collection	Twice in a semester
2	Feedback collection process	Online
3	Average percentage of students who participate	At an average of 80% of the class strength
4	Feedback analysis process	• The performance of the teachers is analyzed on a 6 six-point scale based on 15 parameters covering the various aspects of teacher-student interactions. • The parameter wise score is analyzed and the faculty having score less than 3.0 (parameter wise and overall) are counselled by the program coordinators for the necessary corrective measures that are recorded.
5	Basis of reward	Student feedback is given 20% weightage in the faculty award scheme. All the faculty members are evaluated yearly in both semesters considering their contributions towards academic, research and administration on 100-point scale.
6	Indices used for measuring quality of teaching & learning	1. Preparedness for class work 2. Delivery in the classroom 3. Blackboard usage 4. Handling of questions 5. Quality of tests and assignments 6. Timely evaluation of tests and assignments 7. Advance scheduling of sessions 8. Level of interest & excitement generated. 9. Extra help outside class hours 10. Other teaching aids used, like PPT, Spread sheets, OHP, etc. 11. Extent to which English was used for communication. 12. Extent to which course work completed. 13. Time management 14. Control and command of class

8	Student performance in the courses handled	• Overall pass percentage • Subject wise pass percentage • Quality performance index				
9	Number of faculty members counseled, and corrective measures initiated:	2021-22	2020-21	ACY:2019-20	ACY:2018-19	ACY:2017-18
		4	8	9	22	29

**Number of FACULTY members whose feedback is less than 4 on 6-point scale*

9.3. Feedback on Facilities (5)

The institute has a system in place to collect feedback from the internal stakeholders with regard to the facilities provided in terms of laboratory facilities, library at department and institute level, e-learning facilities and other student support services for continuous improvement. In addition to that student are also provided with suggestion boxes in all the departments at strategic locations to share their feedback.

Feedback mechanism

Students are provided with an option of giving feedback online through college website or LAN with regard to the various facilities (academic & physical facilities) on their effective functioning. The campus IT support periodically segregates the feedback and will be sent to the respective departments to analyze the issue and initiate the corrective measures.

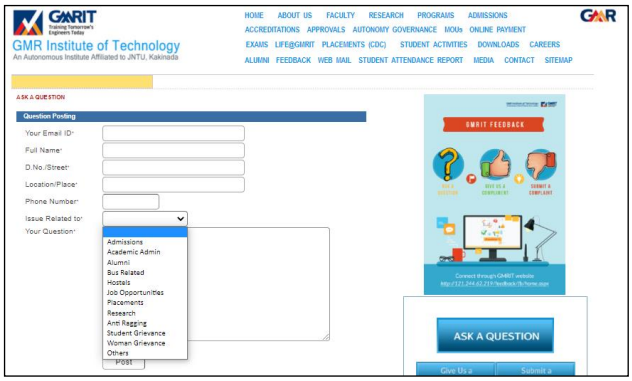


Figure. 9.3.1 Snapshot of feedback page on the website

For all student support services including hostel facilities, dining facilities, sports and games facilities, transport facilities and medical facilities, feedback from the internal stakeholders is invited and issues are addressed by convening a formal meeting with students representatives along with a team of faculty concerned.

Based on the feedback received and the minutes of the meeting from the student support services suitable actions are initiated by escalating the feedback to the concerned faculty for further improvements.

9.4. Self-Learning (5)

Scope:

The curriculum provides adequate scope and provisions for the students to experience the journey of self-learning from the first semester onwards. The self-learning components include:

- Self-study topics in each of the courses in the curriculum and beyond curriculum. A student can acquire maximum of 10% of the total credits on self-learning mode.
- Self-study courses under the category of elective courses wherein the students are provided with the flexibility of choosing courses available in online portals like MOOCs and popular e-learning portals like SWAYAM, Coursera, Udemy, Udacity, Bigdata University etc. in addition to other existing courses in the electives.
- To facilitate the self-learning experience, course materials are also prepared including video lectures by the internal faculty and are floated on the intranet setup.
- To enable the students for effective utilization of the library and to motivate for self-learning weekly one library hour is allocated in the timetable.
- Audit courses are in place in the curriculum to nurture the habit of self-learning.
- In all the laboratory courses mini projects in the form of augmented experiments are incorporated in the curriculum to enable the students to get more practical insight through self-learning

Table 9.4.1

S. No.	Provisions	Students Benefited			
		2021-22	CAY 2020-21	CAYm1 2019-20	CAYm2 2018-19
1	Audit course	879	961	912	839
2	Self-study topics	2540	961	912	741
3	MOOCs courses	0	119	77	357
4	Augmented experiments	2379	961	912	741

9.5. Career Guidance, Training, Placement (10)

The institute has Career Development Cell (CDC) operating centrally to take care of the activities related to career counseling, training on employability skills, guidance for higher education, internships and placements. The CDC has dedicated soft skill trainers to take care of their regular training activity that includes:

- Soft skill training from first year onwards
- Training on employability skills and online tests to assess the students.
- Conduct of motivation lectures & mock interviews
- Technical training & guest lectures
- Enabling the students towards resume preparation
- Arranging customized industry-oriented training
- Entrepreneurship and higher studies awareness programs

- Conduct of mock interviews.

Apart from the regular activities as listed above, CDC also invites expert trainers from outside and conduct fast track soft skill training programs and speed mathematics to enable the students to perform better during recruitment process.

Table 9.5.1

S. No	Career Development Cell activities	No of activities				
		2021-22	CAY 2020-21	CAYm1 2019-20	CAYm2 2018-2019	CAYm3 2017-18
1	Soft skill training	6	6	6	5	5
2	Employability skill training (CRT Program)	24	12	9	5	6
3	Motivation lectures Conducted	25	6	9	29	36
4	Technical training & guest lectures	40	57	13	33	36
5	Arranging customized Industry oriented training	447	784	269	218	182
6	Entrepreneurship and higher studies awareness programs	12	6	2	2	2
7	Conduct of grooming sessions	12	6	2	1	2
8	Conduct of mock interviews	12	12	6	3	2

Full Semester Internship and placement:

The process of Full Semester Internship process is institutionalized and students interested in FSI get registered at the end of the 6th semester. Based on the competency mapping and availability by following a selection process, internships are allocated to the students as per the internship SOP. At the end of the 6th semester students who are interested in the placements shall register with the CDC by submitting an undertaking as per the placement policy.

Table 9.5.2

S. No.	CDC activity	Students benefited				
		ACY 2021-22	ACY 2020-21	ACY 2019-20	ACY 2018-19	ACY 2017-18

1.	Internship	207	11	250	245	213
2.	Placement Offers	1201	700	640	646	481
3.	Higher education	12	31	37	35	35
4.	Entrepreneurship	5	7	3	6	7

Tally with the sum of all the departments

SOP for Internship:

Table 9.5.3

Sl. No.	Task	Deadline
1	Sensitization Meeting with 4th Students	4th week of December
2	Visiting to Industries to get permissions for internship	1st week of January to 1st week of April
3	Verification of the credentials of the industries	Ongoing basis
4	Consolidation of the Consents from industries	Last week of April
5	Updating of the Industry contact details	1st week of April
6	1st phase of Allotment (display in main notice board & website)	1st week of April
7	Changes & Modification in the allotments	2nd week of April
8	Student Orientation program (General)	2nd week of April
9	Final Allotment (display in main notice board & website)	3rd week of April
10	Intimation about the industry specific requirements	3rd week of April
11	Sharing the list of the allotted students to the industries (Email/Post)	3rd week of April
12	Getting the undertaking signed by Student/Parent in the prescribed format and verification	4th week of April
13	Sharing the information about the Student/ Faculty SPOCs allotment with their respective Roles	4th week of April
14	Creating the WhatsApp groups and group email ids for student SPOCs	4th week of April
15	Verification of valid passport and police verification as per the industry requirements	4th week of April
16	Verification and collection of the Accommodation details for those students going out of the State	4th week of April
17	Preparation of Google sheet based monitoring system for the internship program with access to both students SPOC and faculty SPOC	4th week of April
18	Display the details about industries where the students are allotted on LAN	4th week of April
19	Issue of the allotment letter and intimation of the industry specific rules and regulations	1st week of May
20	Uploading of the formats of Internship certificate, No dues from industry and Internship Report in the website)	2nd week of May
21	Online Monitoring of Internship through IMS	Internship Period of 4 weeks
22	Monitoring and visiting to the industries	3rd & 4th week of Internship

Table 9.5.4: SOP for FSI

Sl. No.	Task	Deadline
1	Sensitization Meeting with 6th Sem Students	3rd week of December
2	Registration of the students for FSI either in 7th or 8th Sem	1st week of January
3	Visiting to Industries to get permissions for FSI	2nd week of June -7th sem 2nd week of November-8th sem
4	Verification of the Industries credentials & consolidation of consents	2nd week of June -7th sem 2nd week of November-8th sem
5	Conducting interviews	3rd week of June -7th sem 3rd week of November-8th sem
6	Allotment display in main notice board & website	3rd week of June -7th sem 3rd week of November-8th sem
7	Student Orientation program to the allotted students and share the information about the facilities and stipend if any that they are entitled during the internship from the company side	3rd week of June -7th sem 3rd week of November-8th sem
8	Sharing the list of the allotted students to the industries	3rd week of June -7th sem 3rd week of November-8th sem
9	Getting the undertaking signed by Student/Parent in the prescribed format as per the academic regulations for credit balance and verification	3rd week of June -7th sem 3rd week of November-8th sem
10	Sharing the information about the Student SPOCs/ Internal Supervisors allotment with their respective Roles	3rd week of June -7th sem 3rd week of November-8th sem
11	Creating the Whats app groups and group email ids for student SPOCs	3rd week of June -7th sem 3rd week of November-8th sem
12	Verification and collection of the Accommodation details	3rd week of June -7th sem 3rd week of November-8th sem
13	Display the details about industries where the students are allotted on LAN	3rd week of June -7th sem 3rd week of November-8th sem
14	Preparation of Google sheet based monitoring system for the internship program with access to both students SPOC and Internal Supervisors	4th week of June -7th sem 4th week of November-8th sem
15	Issue of the allotment letter and intimation of the industry specific rules and regulations	4th week of June -7th sem 4th week of November-8th sem
16	Uploading of the formats of Internship certificate, No dues from industry and Internship Report in the website	4th week of June -7th sem 4th week of November-8th sem
17	Connecting the Industry Supervisors with Internal Supervisors	1st week of July -7th sem 1st week of December -8th sem
18	Online Monitoring of Internship through IMS	Internship period
19	Ensuring that all the interns are provided with the facilities and stipend is paid as promised initially by the company	After completion of 4 weeks of internship in 7th and 8th semester.
20	Collect feedback on form both the students and company from time to time.	After completion of 3 weeks/8 weeks/16 weeks of internship
21	Ensure to get back those dropout students out of FSI in case of any reasons mentioned in the regulations.	Within 4 weeks of commencement of internship in 7th or 8th semester.

Web link for Placement Policy document:

https://gmrit.edu.in/sars/Placement%20Policy.pdf

9.6. Entrepreneurship Cell (5)

Entrepreneur Development Cell (EDC) is one of the arm functioning under the CDC. The EDC of the institute was established in the year 2007 funded by AICTE. To nurture entrepreneur skills and promote start-ups, EDC organizes various sensitizing and motivational programs by inviting the successful entrepreneurs in the region, alumni, experts from the banking and the financial organizations and guests from the department of industries. In 2011, MSME has recognized GMRIT EDC as a business incubation center (BIC) to fund and promote young entrepreneurs towards new product development.

The cell organizes various business skill development programs to enhance the entrepreneur skills in collaboration with MSME and National Product Council (NPC). Institute is being identified as BIC by MSME, Govt. of India, Institution has signed a MoU to participate in Startup village Boot camp.

In 2017, the institution is identified as a Technical Skill Development Institute (TSDI) by Andhra Pradesh State Skill Development Corporation (APSSDC) and established five different skill training labs in collaboration with Siemens.

Activities Organized:

- Invited motivational talks.
- Training on Detailed Project Report (DPR) preparation
- Training on fiscal management
- Awareness programs on new business avenues.
- Celebration of world's Entrepreneurship Day
- Guest lectures/Workshops with MSME and NPC

Entrepreneurship Development Cell Activities (2021-22)

Table 9.6.1

S. No	Dates	Title	In association with /Resource Persons	Number of students participated
1	21.08.2021	An Online Webinar on the occasion of " World Entrepreneurship Day" on "Entrepreneurship Challenges & Opportunities at present Scenario"on 21.08.2021 at 11.00AM.	01. Sri. G. Raghu Ram, Assistant Director, MSME DI, Visakhapatnam. 02. Sri. G. Prasada Reddy, DGM, MSME Technology Center, Visakhapatnam. 03. Sri. G. Ramabhadra Rao, Senior Deputy Director, AP Productivity Council, Visakhapatnam. 04. J. Uma Maheswara Rao, GM DIC, Srikakulam, A.P.	115
2	24.11. 2021	Tech Creation 2021, a business idea competition	Dept of Chemical Engg, GMRIT	20
3	09.10.2021	Tech Creation 2021, a business idea competition	Dept of Mechanical Engg, GMRIT	30
4	10.12.2021	IDEATHON 2021, a business idea competition	Dept of EEE , GMRIT	30
5	05.03.2022	"Entrepreneur Idea Explore 2022", a business idea competition	Dept of IT, GMRIT	15

Entrepreneurship Development Cell Activities (2020-21)

Table 9.6.2

S. No	Dates	Title	In association with /Resource Persons	Number of students participated
1	26.02.2020	National Level Awareness Programm (NLAP 2020) on the schemes for Entrepreneurs	MSME DI, Visakhapatnam	100
2	21.08.2020	A Webinar on "Post COVID Opportunities & Challenges For Prospective Entrepreneurs" on the occasion of World Entrepreneurship Day On 21.08.2020, 3.00pm to 4.30pm.	01) Sri. A. Raghu Ram, Assistant Director, MSME DI , Visakhapatnam. 02) Sri. V.R. Naik, CEO, APITA, Visakhapatnam. 03) Sri. G. Prasada Reddy, DGM, MSME Technology Centre, Visakhapatnam. 04) Sri. Pratap Reddy, Executive Director, APIIC, Visakhapatnam.	135

Entrepreneurship Development Cell Activities (2019-20)

Table 9.6.3

S. No	Dates	Title	In association with /Resource Persons	Number of students participated
1	24.02.2020	National Level Awareness Programme NLAP 2020	Ministry of Micro Small & Medium Enterprises	150
2	04.01.2020	IDEATHON	GMRIT Rajam	10 (Ideas)
3	17.08.2019	Tech Creation 2019	GMRIT Rajam	17
4	21.08.2019	World Entrepreneurship Day	GMRIT Rajam	300
5	15.09.2019	Tech Creation	Student Business idea competition across all departments	10

Entrepreneurship Development Cell Activities (2018-19)

Table 9.6.4

S. No	Dates	Title	In association with /Resource Persons	Number of students participated
1	04.09.2018	How to start Micro, Small& medium Enterprise	Director MSME, Visakhapatnam	150
2	05.09. 2018	How to prepare a Business project proposal and start an industry	GM, District Industries Centre (DIC), Srikakulam	165
3	06.09.2018	Procedure of giving loans to Entrepreneurs	Chief Manager, Andhra bank, Rajam	160
4	21.08.2018	World Entrepreneurship Day	GMRIT Rajam	295
5	19.07. 2018	Tech Creation 2K18	Participants with innovative ideas for IEDC & MSME	09

Entrepreneurship Development Cell Activities (2017-18)

Table 9.6.5

S. No	Dates	Title	In association with /Resource Persons	No. of students benefitted
1	07.07.2017	Three Day Awareness Program on How to Become Entrepreneur	Dr G Ram Chandra Rao, Deputy Director, Ap Productive Council	200
2			Dr G Ram Chandra Rao, Deputy Director, Ap Productive Council	207
3			Dr G Ram Chandra Rao, Deputy Director, Ap Productive Council	209
4	21.08.2017	World Entrepreneurship Day	GMRIT Rajam	290

Number of students Benefited

Table 9.6.6

S. No	EDC Activity	Number of students Benefited				
		2021-22	CAY 2020-21	CAYm1 2019-20	CAYm2 2018-19	CAYm3 2017-18
1	Invited motivational talks.	100	130	150	165	170
2	Training on Detailed Project Report (DPR) preparation	115	130	63	68	74
3	Training on fiscal management	150	100	63	68	74
4	Awareness programs on new business avenues.	130	160	150	165	160
5	Celebration of world's Entrepreneurship Day	315	135	300	315	309
6	Guest lectures/Workshops with MSME and NPC	150	235	209	215	239

9.7. Co-curricular and Extra-curricular Activities (10)

The institute has a system in place to monitor all the Co-curricular and Extra-curricular activities. The faculty member in-charge of the student activities at the institution level in coordination with faculty coordinators from the departments and student members, all Co-curricular and Extra-curricular activities are planned and executed as per the event calendar notified. The student members will execute the activities in-line with activity calendar under the faculty mentorship at the department level as well as institute wise. To promote Co-curricular activities, various students chapters of professional societies (ACM, CSI, ISTE, IE, IETE, IEEE, IICHE, SAE, ISCM) are established.

Sports and Cultural Facilities:

To promote students' wellbeing in terms of physical and mental health various sports and games facilities are created on the campus. The physical fitness and health of the students is ensured through regular sports and games while the mental health is sustained by Cultural, Yoga and Meditation sessions. Regular Yoga and Meditation sessions are conducted for the interested students through trained internal faculty members and Guest speakers in collaboration with Swami Vivekananda Center for Human Excellence and Heart fullness meditation center.

To encourage and promote the students possessing the cultural skills, the institution provides a platform through various clubs viz. Music, Dance, Fine Arts and other similar clubs for a holistic development and the students were given opportunity to enhance their skills and are exhibited during various cultural shows organized in and out of the campus. The indoor and outdoor sports facilities include air-conditioned Aerobics Centre, courts for Shuttle Badminton, Basketball, Ball Badminton, Throw ball and Volleyball, grounds for Football, Kho–Kho, Cricket (2 with cricket nets), cricket ground and Bowling Machines with auto feeder (two), 6-Lane 400mts synthetic running track and a Long Jump pit. The following are infrastructure facilities available in the institution to promote various activities as follows.

Table 9.7.1

S. No.	Facilities	Area (Sq. m)
1	Auditorium	152.11
2	Yoga & Meditation	98
3	Student Activity Center (SAC)	220
4	Gymnasium	428
5	Indoor Sports	1040
6	Outdoor Sports	56273

Further, all the above said facilities are effectively used to cater the needs of various internal stake holders in a structured way and were ensured by the department of physical education. Accordingly, financial assistance wherever needed and incentives are also provided to the students who are participating in the inter university and intra campus competitions.

NSS and Club Activities:

Students are being actively engaged in various outdoor Social Activities through NSS Unit and Institutional initiative called GAMYAM. Under GMYAM, the young students are engaged with many outdoor social activities which are based on Lakshya – Career Guidance, Motivation, Goal Setting, Scholarship, Vikasa – Personality Development, Soft Skill Development and Sharing Inspirational Stories, Suchana – Awareness about RTI, Govt. Schemes, Awareness on Government Identification cards and their benefits, Awareness on various Govt. Organizations and their works, Avagahana- Health and Hygiene, Campaigns, Street Plays on Moral and Social Values, Field Visits, Camps, Siksha- Support in preparing for Competitive Examinations, Tutorial and Talent test.

The NSS unit organizes many activities through students addressing social concerns. Awareness rallies, camps and drives have been drawn on various important concepts like World AIDs Day, Swatch Bharath, International Women's Day, etc. The College has conducted more than 100 hours of Swatch Bharath Campaign in the nearby areas with its Students and Staff. Plastic Free drive was also carried out intensively in the local area series of awareness programs for all the shops and also cloth bags were distributed by replacing their plastic bags.

To support and nurture the individual talents and hobbies, various clubs & societies (Women empowerment club, Dance club, Music club, Projects and Innovation club, Hobby club, STEM club, Eco club, HAM radio, Community Radio, Robotic club, Short film club and Photography club) are established. The students are encouraged to take the membership in the clubs and participate regularly in the various activities organizes for their diversified attributes.

Annual Events:

To motivate and encourage the students' participation in all the Co-curricular and Extra-curricular activities, the institution organizes several annual events. These events give the students an opportunity to nurture and build leadership and team building skills. Following are

the annual events conducted at the institutional level apart from the various events conducted at the department level.

- Achievers' Day - To motivate and encourage the student's participation in internal & external competitions by issuing certificate of performance.
- Talent appreciation Day – To appreciate the quality of students at the entry.
- Annual Day – To appraise all the stakeholders about the performance of the institution and announcement of academic scholastic awards.
- Sports Day - To appraise all the stakeholders about the participation of students in sports and games and announcement of awards.
- Graduation Day – Announcement of the graduation results and award of the gold and silver medals.
- Placement Day – Issue of offer letters to motivate and encourage the students who got placed.
- Annual signature event STEPCONE – Student Technical Paper Contest and Exhibition to create a platform for the students at national level to exhibit share and learn the professional skills acquired with cross cultural interactions.

Sports & Cultural Activities

Table 9.7.2

S. No	Name of the Activity	Number of Activities				
		2021-22	2020-21	ACY 2019-20	ACY 2018-19	ACY 2017-18
1	Sports	46	Nil	15	9	9
2	Cultural Activities	5	Nil	2	3	3

NSS and Club Activities

Table 9.7.3

S. No	Name of the Activity	Number of Activities				
		2021-22	2020-21	ACY 2019-20	ACY 2018-19	ACY 2017-18
1	Club Activities	83	Nil	26	21	18
2	NSS Activities	34	11	38	35	24

CRITERIA 10
GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

10. Organization, Governance and Transparency (55)

10.1.1. State the Vision and Mission of the Institute (5)
The Vision and Mission of the Institute

The institution has the following Vision and Mission statements defined by taking the inputs from all the stakeholders and with the spirit of providing best of the technical education to the students in the region and the country at large.

The Vision

To be among the most preferred institutions for engineering and technological education in the country.

An institution that will bring out the best from its students, faculty and staff - to learn, to achieve, to compete and to grow – among the very best.

An institution where ethics, excellence and excitement will be the work religion, while research, innovation and impact, the work culture

The Mission

- *To turnout disciplined and competent engineers with sound work and life ethics*
- *To implement outcome based education in an IT-enabled environment*
- *To encourage all-round rigor and instill a spirit of enquiry and critical thinking among students, faculty and staff.*
- *To develop teaching, research and consulting environment in collaboration with industry and other institutions*

To realize the vision, the above mission statements have been established by taking into account, the contemporary Industry requirements, Technical skills needed, Information Technology tools, Technological & Product development, Ongoing research & development, Industry-Institute interaction, Twenty-first century skills and Societal needs.

To sensitize all the stakeholders about availability of the Vision and Mission statements, display boards and Sign boards are arranged in the prominent locations across the campus. In addition to this, Vision and Mission statements are made available to the stakeholders through:

Internal:

1. Institute Website (www.gmrit.edu.in)
2. LAN portal (LMS)
3. Campus Management System
4. Academic regulations, Syllabus books
5. Digital Signages
6. Notice Boards
7. Signages at common and prominent locations
8. Course handouts
9. Department library
10. Survey Forms (Students & Faculty)

External:

1. Institute Website (www.gmrit.edu.in)
2. Survey Forms (Alumni & Employer)
3. Campus Management System (CMS)

10.1.2. Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring (25)

The institution has a clear and well-defined strategic plan for the realization of the vision and is available in all the departments across the campus. Through the various tasks that are stipulated in the mission statements ongoing basis the institution is progressively moving towards the realization of vision. The following are the key strategic issues that are currently focused for the overall development of the institution.

1. Create an eco-system for making the students industry ready
2. Continuous capacity building of the faculty and physical resources
3. Promoting research culture among the students and faculty

Create an eco-system on the campus for making the students industry ready

To make the students industry ready, an eco-system is created on the campus with following initiatives:

- Soft skill training for improving the communication skills and interpersonal skills from the first year onwards
- Motivational programs by the industry experts and successful alumni

- Student driven clubs and competitions in Co-curricular and Extra-curricular activities
- Credited Industry driven elective courses, inter-disciplinary open electives and self- study courses
- Full semester Internships for hands-on experience
- Student's council and professional body activities to enhance the leadership qualities
- Entrepreneur Development Cell (EDC) and business incubation center to promote entrepreneurship
- Training and Competitions are conducted to improve problem solving and analytical skills
- Add-on courses on latest technologies to enhance the placement opportunities

All the above activities on the campus are continuously monitored by faculty coordinators with a team comprising of faculty and students from all the departments. Semester wise schedule for all the above activities is notified to the students in every semester well in advance.

Continuous capacity building of the faculty and physical resources

To enable the faculty to get updated and trained in the contemporary technologies, the following are the initiatives are taken up:

- Faculty development programs by inviting subject experts from premier institutions and industry
- Regular upgradation of the labs with the latest software and equipment
- Industry internships and certification through e-learning portals like Udemy, Big Data University, EC-Council etc.
- Training on course design, question paper setting and teaching pedagogy in-line with OBE philosophy
- All the above activities are planned and executed by the respective HODs and their team members. Year wise schedule for all the above activities is notified to the faculty members well in advance.

Promoting research culture among the students and faculty

To promote research culture among faculty and students, the following initiatives are taken up to maintain the synergy between the academics and research by

- Encouraging faculty members and students to participate in workshops, conferences and seminars by providing financial support
- Incentives for quality journal publications and sponsored research projects

- Encouragement to pursue the Ph.D. (Part time, Full time) by providing support in terms of research facilities and academic leaves
- Students are encouraged to participate in innovative project contests
- Involvement of students in consultancy and sponsored research projects
- Providing matching grant for student's projects
- Promotion of research in terms of Term papers and mini projects

All the above activities are planned and executed by the respective HODs and monitored by the Research coordinator. All the notifications related to the above activities are circulated to all the departments to encourage faculty & students to participate.

10.1.3. Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)

To oversee the performance and monitor the development of the institute, the following Governance committees are constituted as per the UGC norms.

- Governing Body
- Academic Council
- Board of Studies
- Finance committee

Governing Body

Is an apex body that oversees and gives direction for the better performance of the institution mitigating the functional challenges ensuring the attainment of the key performance indicators. Following is the composition and list of the members:

Table 10.1: Composition and List of the Governing Council members:

S. No.	Name of the Member and Affiliation	Category	Nominated by
1	Dr. J. Girish, Chairman (Governing Council)	Management	Nominated by the Trust
2	Dr. C. L. V. R. S. V. Prasad, Member Secretary	Management	Nominated by the Trust
3	Dr. B. Satyanarayana, Member	Under the Category of Industrialist / Technologist / Educationist	Nominated by State Government
4	Dr. E. Sankara Rao, Member	Management	Nominated by the Trust
5	Dr. Ligy Philip, Member	Management	Nominated by the Trust
6	Mr. J. Satyanarayana Murthy	Under Category of Industrialist /	Nominated by State Government

		Technologist / Educationist t	
7	Dr. Pragya Shukla, Member	UGC Nominee	Nominated by the UGC
8	Dr. R. Natarajan, Member	Management	Nominated by the Trust
9	Dr.D. R. Prasada Raju, Member	Under Category of Industrialist / Technologist / Educationist	Nominated by State Government
10	Mr. G. Swami Naidu, Member	Management	Nominated by the University
11	Dr. M. V. Nageswara Rao, Member	Teacher	Principal based on seniority by rotation
12	Dr. A. V. Ramana, Member	Teacher	Principal based on seniority by rotation

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Functions of Governing Body

Subject to the existing provision in the bye-laws of respective college and rules laid down by the state government/parent university, the Governing Body shall:

- Guide the college while fulfilling the objectives for which the college has been granted autonomous status.
- Institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendations of the Academic Council
- Approve new programs of study leading to degrees and/or diplomas.
- All recruitments of Teaching Faculty/Principal shall be made by the Governing
- Body/state government as applicable in accordance with the policies laid down by the UGC and State Government from time to time.
- To approve annual budget of the college before submitting the same at the UGC.
- Perform such other functions and institute committees, as may be necessary and deemed fit for the proper development of the college

- **Term**: The term of the nominated members shall be three years.
- **Meetings**: The Board of Studies shall meet at least twice a year.

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Academic Council

It is the apex body to oversee and approve all the academic related issues and has the following composition:

Table 10.2: Composition and List of the Academic Council members:

S. No.	Name of the Member and Affiliation	Category	Nominated by
1	Dr. C. L. V. R. S. V. Prasad, Chairman (Academic Council)	Chairman	Ex-officio
2	Dr. B. Bala Krishna, Member	DE, JNTUK	JNTUK
3	Dr. KVSG Murali Krishna, Member	DAP, JNTUK	JNTUK
4	Dr. R. Rajeswara Rao, Member	Professor of CSE,UCEV,JNTUK	JNTUK
5	Dr. A. Venu Gopal, Member	Industrialist/ Technologist/ Educationist	Governing Body
6	Dr. K V L Subramaniam, Member	Industrialist/ Technologist/ Educationist	Governing Body
7	Dr. P. Mallikarjuna Rao, Member	Industrialist/ Technologist/ Educationist	Governing Body
8	Dr. P.K. Jain, Member	Industrialist/ Technologist/ Educationist	Governing Body
9	Mr. V. Paradesi Naidu, Member	Industrialist/ Technologist/ Educationist	Governing Body
10	BoS Chairperson, Civil Eng. , Member	HOD-CIVIL	Ex-Officio (Nominated by Chairman)
11	BoS Chairperson, CSE, Member	HOD-CSE	Ex-Officio (Nominated by Chairman)
12	BoS Chairperson, ECE, Member	HOD-ECE	Ex-Officio (Nominated by Chairman)
13	BoS Chairperson, EEE, Member	HoD-EEE	Ex-Officio (Nominated by Chairman)
14	BoS Chairperson, IT, Member	HOD-IT	Ex-Officio (Nominated by Chairman)
15	BoS Chairperson, Mech, Member	HOD-MECH	Ex-Officio (Nominated by Chairman) (Nominated by Chairman)
16	BoS Chairperson, BS&H, Member	HoD-BS & H	Ex-Officio (Nominated by Chairman)
17	Dr. T. Prabhakar, Member	CoE	Nominated by Chairman
18	Dr. L. Govinda Rao, Member	IQAC Coordinator	Nominated by Chairman
19	Dr. G. Sasi Kumar, Member	Assoc. Dean - Student Affairs	Nominated by Chairman
20	Dr. Pammi Sri Venkata Narayana, Member	Assoc. Dean – R&D	Nominated by Chairman
21	Dr. S. N. Dash, Member	CDC-Head	Nominated by Chairman
22	Dr. M. V. Nageswara Rao, Member Secretary	Dean-Academic/CE	Nominated by Chairman

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Functions of the Academic Council

The Academic Council shall have powers to:

(a) 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.

(b) Make regulations regarding the admission of students to different programs of study in the college keeping in view the policy of the Government.

(c) Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.

(d) Recommend to the Governing Body proposals for institution of new programs of study.

(e) Recommend to the Governing Body institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.

(f) Advise the Governing Body on suggestions(s) pertaining to academic affairs made by it.

(g) Perform such other functions as may be assigned by the Governing Body

Term: The term of the nominated members shall be three years.

Meetings: Academic Council shall meet at least twice a year.

Board of Studies:

It is the body that oversee and approve the curriculum design and delivery and has the following composition:

Table 10.3: Composition and List of BoS members:

S. No.	Name of the Member and Affiliation	Category	Nominated by
1	Dr. Prasant Kumar Sahu Associate Professor School of Electrical Sciences, IIT Bhubaneswar	Academics	Academic Council
2	Dr.P.Srihari rao Associate Professor, Dept. of ECE NIT Warangal	Academics	Academic Council
3	Dr.P.Mallikarjuna Rao Professor, Dept. of ECE, Andhra University, Visakhapatnam	Academics	Academic Council
4	Dr.N.Balaji Professor,Dept. of ECE, Director, IQAC, Incharge CoeRD and University Legal Cell,	Academics	Academic Council

	JNTUK Kakinada		
5	Mr. Vikram Naidu Marapu Engineering Director, Analog Devices, Hyderabad	Academics	Academic Council
6	Mr. Lolugu Madan Founder and Managing Director, Adept Chips Pvt.Ltd, Bangalore.	Academics	Academic Council
7	Dr. M.V. Nageswara Rao Professor, HOD-ECE	Academics	Academic Council
8	All Faculty Members in the Department (Professors, Associate Professors and Asst.Professors)	Academics	Academic Council

Functions of Board of Studies

The Board of Studies of a Department in the college shall:

(a) 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;

(b) Suggest methodologies for innovative teaching and evaluation techniques;

(c) Suggest panel of names to the Academic Council for appointment of examiners; and

(d) Coordinate research, teaching, extension and other academic activities in the department/college.

Term: The term of the nominated members shall be three years.

Meetings: The Board of Studies shall meet at least twice a year.

Finance committee:

It is the body that oversees the financial outlay of the examination section and the overall expenditure and has the following composition:

Table 10.4: Composition and List of the Finance Committee members:

S. No.	Name of the Member and Affiliation	Category	Nominated by
1	Dr. C L V R S V Prasad, Principal	Principal	Ex-Officio
2	Dr. J. Girish, Chairman, Governing Council	Member	Governing Council
3	Sri. L.M. Laxmana Murthy, COO-GMRVF	Member	Governing Council
4	Sri. Srinivas Chamarthy, CFO	Member	Governing Council
5	Dr. T. Prabhakar, CoE	COE-GMRIT	Member
6	Dr. M.V. Nageswara Rao, Asso. Dean(A)	Member	Principal

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Functions of Finance Committee:

The Finance Committee shall act as an advisory body to the Governing Body, to consider:

(a) Budget estimates relating to the grant received/receivable from UGC, and income from

(b) fees, etc. collected for the activities to undertake the scheme of autonomy; and

(c) Audited accounts for the above.

Term: Term of the Finance Committee shall be three years.

Meetings: The Finance Committee shall meet at least twice a year

HR Policies:

Recruitment: http://115.241.205.4/gmritnew/nba/Recruitment_Policy.pdf

Incentive Policy for Research & Publications:

http://115.241.205.4/gmritnew/nba/Incentive_Policy.pdf

Internal Promotion Policy for Faculty:

http://115.241.205.4/gmritnew/nba/Promotion_Policy.pdf

Minute of the Meetings:

Minute of the Governing Council Meeting:

http://115.241.205.4/gmritnew/nba/GCM_MoM_Merged.pdf

Minute of the Academic Council Meeting:

http://115.241.205.4/gmritnew/nba/AC_MoM_Merged.pd

Minute of the Board of Studies:

http://115.241.205.4/gmritnew/nba/BoS_MoM_Merged_ECE.pdf

10.1.4 Decentralization in working and grievance Redressal mechanism (5)

For the effective functioning of the institute the total administration has been decentralized with appropriate administrative and financial delegations along with the grievance Redressal authority. Following are the various functionaries at the institute level who are responsible for the effective functioning.

Administrative setup:

To oversee the governance of the institution following organization chart gives the details of the various positions.

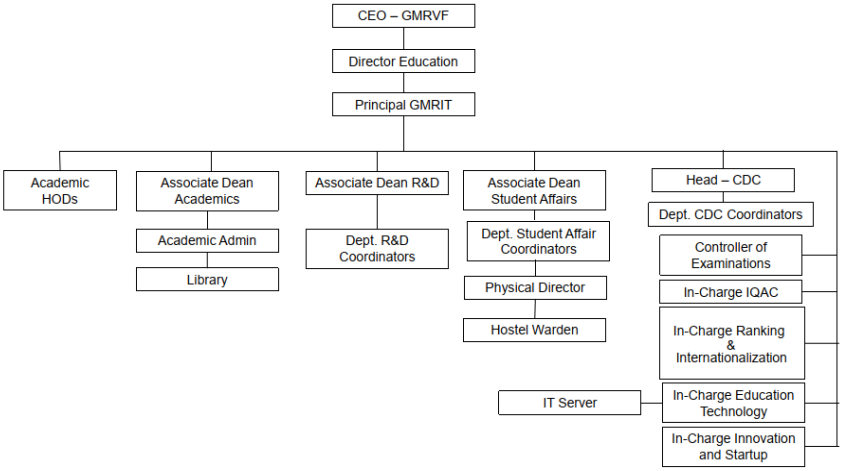

Figure C10.1. Organization Chart

Table 10.5 Administrative responsibilities :

Designation/Position	Administrative Responsibilities
Principal	• Executive management of the Institution and leadership. • Administrative management of the Institution and its day-to-day direction and leadership.
Controller of Examinations.	• To plan and schedule the Academic Calendar in coordination with Hods • Notify the schedule for the conduct of sessional and semester end examinations • Management and execution of Pre- and Post-examination process ensuring the quality and confidentiality
Dean/Assoc. Dean/Coordinator - Academics	• To ensure the adherence and implementation of Academic Calendar in coordination with Controller of examination in compliance with the IQAC processes • Overall supervise the Knowledge Resource Centre to enhance the availability both of offline and online resources for all stakeholders by adding new titles and volumes as per the norms. • Ensure the conduct of AMC meetings and conduct HODs and faculty meetings at regular intervals, as necessary. • Ensure the revisions made in the Academics & Examination regulations are implemented from time to time in true spirit to bring out the best from the faculty and students. • Work on exploring the introduction of new programs and new trending courses in line with the industry requirements through detailed market research and recommend to Governing Council and Academic Council.

Dean/Assoc. Dean/Coordinator - R & D	• To create research eco-system and maintain research orientation and culture amongst Faculty members and Students through continuous sensitization • Coordinate with HODs and faculty members to scout and explore maximum opportunities for collaborative & sponsored research projects. • Ensure timely planning and conduct of the faculty development programs (workshops, seminars & conferences) and submit the proposal for sponsored programs to the funding agencies like CSIR, ISRO, DST, AICTE, UGC, etc. • Create a network and build relationships with Eminent Researchers and Scientists in the Country and abroad and organize their mentorship, research collaboration, guest lectures, etc. • Monitor the research activities of the various research groups and work toward Establishing Centre of Excellence in designated disciplines. • Nurture and encourage entrepreneurial approach among students and faculty in fostering creativity, idea generation and product development.
Dean/Assoc. Dean/Coordinator - Student Affairs	• Develop and create a conducive environment fostering holistic development with proper balance curricular, co-curricular and extra-curricular activities. • Ensure a ragging-free disciplined college – within and outside the campus in coordination with HODs and Anti Ragging Committee. • Ensure the establishment of the departmental professional body chapters/associations and monitor student Chapters and Associations (IE (India), IEEE, CSI), Transcripts and Certificates • Strengthen student hobby clubs and ensure maximum participation of students in various clubs of SAC with a mandate from the 2nd semester onwards • Work in coordination with the Director–Physical Education and ensure to host various intercollegiate, intra-college and University games and sport for maximum utilization of the sports facilities.
Heads of the Departments	• To plan, execute and monitor the academic requirements to run the curriculum • To ensure the quality of classroom delivery and assessment by the faculty • To monitor the conduct of the classwork and completion of syllabus to comply with the academic calendar • To ensures the all-round development of the students by introducing best practices and new initiatives • Oversee the laboratory and general maintenance of the department and planning of the new laboratories • To plan and implement the annual budget along with the faculty requirements as per AICTE norms • Encouraging and facilitating professional development for all the existing and newly recruited faculty • Facilitate and enable the involvement of the faculty members in the various department administrative activities promoting decentralization and participative management

	• Facilitate continuous faculty evaluation and assessment in the areas of teaching and research
Head –CDC	Oversee training and placements of the students
In-Charge IQAC	• Development and maintenance of institutional database through MIS for the purpose of maintaining/enhancing the institutional quality • Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes • Ensures that all departments follow best practices of the academic assessment and conduct periodic internal assessments in compliance with accreditation standards. • Communicates regularly with the campus community to promote awareness of assessment and accreditation and encourage campus-wide involvement in these important activities. • Development and maintenance of institutional database through MIS for the purpose of maintaining/enhancing the institutional quality

Mechanism and composition of grievance redressal system

Institute has well defined student redressal system in place. Every department has complaints/suggestions/grievances box in place wherein every student can submit his complaint/suggestion/grievance. The box is opened once in a month in the presence of faculty in-charge along with student representatives. The complaint is recorded in the respective register and brought to the notice of HOD. Depending on the level of the grievance HoDs shall resolve the issues among the people involved and if needed the complaint is forwarded to the higher officials for necessary action.

To ensure the safety and security of all the students and faculty members, with special emphasis on women safety, the Institute has a well-defined policy. The policy shall be seen in conjunction with sexual harassment and anti-ragging policies.

Apart from the suggestion boxes, the institute website has a feedback tab providing opportunity for all the stake holders to compliment/complain/suggest with or without affiliation. Further, all the students have also an opportunity to send their complaint/suggestion/grievance through E-mail (mentor@gmrit.edu.in).

Based on the students' feedback, following are the indicative actions initiated on the campus:

- Reading rooms are provided for day scholars
- Stationery, food and confectionary outlets are provided in the canteen area
- New student clubs are initiated under SAC enabling more students to participate in various extra- curricular activities

- Separate floor space is provided for music club in the SAC with required musical instruments
- Hostel rooms are provided with physical network apart from the Wi-Fi to enhance the connectivity
- Opening of the LABs beyond working hours
- Continuous monitoring of quality of food and menu in the Hostels/Canteen through online feedback system enhancing the happiness index
- Online payment gateway for the easy payments
- Involvement of the students in various committees
- Extension of the bus services from various places
- More choice for elective courses
- Change of uniform

Disciplinary & Anti ragging committees

Institute has constituted Disciplinary and Anti-ragging committees for monitoring and the effective students' conduct on Campus and off-Campus.

There are different teams for monitoring Disciplinary & Anti ragging issues viz., Anti ragging squads at Hostels, inside & outside the campus and collage buses. Each team is lead by a faculty in-charge with a team comprising of members from teaching and non-teaching staff and students. Associate Dean, Student's affairs shall oversee the functioning of different committees with synergy to maintain the discipline inside and outside the campus.

Action taken report for the grievances and Student counseling

All the grievances received are recorded regularly from time to time and based on the gravity and seriousness of the issue, committees will be constituted to initiate the action. Based on the committee report, action will be initiated and will be recorded.

Periodically students are counseled by their respective mentors in the context of their issues related to academics and non-academics. Based on the seriousness, guardians/parents will be informed about the advice given to the students. Further, the cases may be referred to the psychologist based on the need.

10.1.5. Delegation of financial powers (5)

Delegation of financial power

All the functional heads at the institute level are entitled to financial powers in compliance with the AOP for their respective departments. However, for the financial disbursement based on the delegation of powers management approval is sought from case to case by the respective HODs.

Table 10.6 Financial power of Principal

S. No.	Financial Sanction (Rs.)	Purpose
1	50,000 to 1,00,000	Capital Sanctions
2	Variation up to 5% and within overall Budget	Issue of Capital Sanctions as per Annual Operating Plan (AOP)
3	1 Lakh to 25 Lakh per order value	Approval for purchase / issue of work order/purchase order
4	Up to Rs. 3 Lakh per order value	Annual Maintenance Contracts related to the institution level
5	Up to Rs. 3 Lakhs	Appointment of consultant/Advisor for academic purpose
6	2 Lakh to Rs. 10 Lakh	Signing of purchase order/contracts/work order
7	2Lakh to 25 Lakh	Certification of bills of supplier/contractor for payment
8	5000 to 50,000	Emergency Purchases without following purchase procedure (Contingency)
9	Up to 1 Lakh	Finalization of Insurance contracts (Group Medical, accident policy)/ Payment of Insurance premium and other expenditures as per the terms of the contract for staff & students
10	5K to 25K annually	Donations within budgeted limits as per AOP
11	5K to 10K subject to annual limit of Rs.25K	To approve Entertainment expenditure as budgeted in the AOP
12	1K to 10K within overall Budget	Purchases / Subscriptions of books, magazines and periodicals
13	Up to Rs. 50K and within overall budget	Booking of premises for seminar/ training
14	Up to 50K	Expenditure on advertisement within budget
15	1K to 50K	All other expenses not specifically covered but within the budget
16	Up to 10K	Non budgeted expenditures
17	1000 to 5000	Office Equipment (within budget as per AOP)
18	Up to Rs. 50K	Vehicles (within budget as per AOP)

19	5000 to 7500	Routine established expenses within budgeted limits as per AOP
20	Rs. 50K to Rs. 1 Lakh	All statutory payments

Table 10.7: Financial power of Head of the Department

S. No.	Financial Sanction (Rs.)	Purpose
1	Up to 50K	Issue of Capital Sanctions for budgeted items as per AOP
2	Up to Rs.1L	Approval for purchase / issue of work order/purchase order
3	Up to Rs.2Lakh	Signing of purchase order/contracts/work order
4	Up to Rs.2 Lakh	Certification of bills of supplier/contractor for payment
5	Up to Rs.5000	Emergency Purchases without following purchase procedure
6	5000 subject to annual limit of Rs.5000	To approve Entertainment expenditure as budgeted in the AOP
7	Rs.1000 within overall Budget	Purchases / Subscriptions of books, magazines and periodicals
8	1000 to 5000	All other expenses not specifically covered but within the budget as per AOP
9	1000	Office Equipment (within budget as per AOP)
10	5000	Routine established expenses within budgeted limits as per AOP
11	Up to Rs. 5000	All statutory payments

10.1.6. Transparency and availability of correct/unambiguous information in public domain (5)

In order to ensure transparency, the institute takes the following measures

Academic and Administrative Transparency

- The minutes of the meetings conducted at various levels are circulated
- Action taken and compliance reports for the minutes of meetings are circulated
- All the communications from the Statutory and non-statutory bodies are circulated among the staff members

Availability and dissemination of information through LAN/Web

- All policy documents, Mandatory disclosure, Audit reports, Academic regulations and Course structure with syllabus for various academic programs are available in the Institute website (http://www.gmrit.edu.in)
- Institute-domain mail facility is extended to all the staff and students through Microsoft Office 365 (https://login.microsoftonline.com)
- Interoffice communication is mostly through institute web e-mails (http://webmail.gmrit.edu.in)
- Availability and access to the academic information through parent/student/faculty login available in the Institute website.
- Availability of the comprehensive information about the institution on the website with a directive navigation

Mandatory disclosure:

Link: https://gmrit.edu.in/sars/Finance_documents.pdf

10.2 Budget Allocation, Utilization, and Public Accounting at the Institute level (15)

Total Income at Institute level: For CFY, CFYm1, CFYm2 & CFYm3

CFY: Current Financial Year, CFYm1 (Current Financial Year minus 1), CFYm2 (Current Financial Year minus 2), CFYm3 (Current Financial Year minus 3)

Table 10.8: 2021-22 (All values are in Lakhs)

S. No.	Income			Expenditure			Total No. Students:	4004
	Fee	Grants	Other Sources	Recurring Including salary	Non-Recurring	Special Projects	Expenditure per Student	
1	3257	0.00	510.14	3126.73	71.78	0.00	0.79	
	Total:	3767		Total:	3198.516			

Table 10.9: CFY 2020-21 (All values are in Lakhs)

S. No.	Income			Expenditure			Total No. Students:	3585
	Fee	Grants	Other Sources	Recurring Including salary	Non-Recurring	Special Projects	Expenditure per Student	
1	3187.93	97.30	236.03	2729.18	108.87	-	0.79	
	Total:	3521.26		Total:	2812.27			

Table 10.10: CFYm1 2019-20

S. No.	Income			Expenditure			Total No. Students:	3545
	Fee	Grants	Other Sources	Recurring Including salary	Non-Recurring	Special Projects	Expenditure per Student	
1	3443.89	0	564.74	3377.10	126.53	-	0.99	
	Total:	4032.63		Total:	3503.63			

Table 10.11 CFYm2 2018-19

S. No.	Income			Expenditure			Total No. Students:	3475
	Fee	Grants	Other Sources	Recurring Including salary	Non-Recurring	Special Projects	Expenditure per Student	
1	3444.37	-	437.82	3373.30	113.51	-	1,00,339/-	
	Total:	3882.19		Total:	3486.81			

Table 10.12: CFYm3 2017-18

S. No.	Income			Expenditure			Total No. Students:	3545
	Fee	Grants	Other Sources	Recurring Including salary	Non-Recurring	Special Projects	Expenditure per Student	
1	3302.76	-	329.23	3295.61	188.1	-	98,271/-	
	Total:	3631.99		Total:	3483.71			

Table 10.13: Budget Allocation and Utilization

S. No.	Item	Budget 2021-22	Expenses 2021-22	Budget 2020-21	Expenses 2020-21	Budget (Lakhs) 2019-20	Expenses 2019-20	Budget (Lakhs) 2018-19	Expenses 2018-19	Budget (Lakhs) 2017-18	Expenses 2017-18
1	Infra Built-up	30	29.932	5	25.42	15	13.58	55	51.11	90	86.57
2	Library	5	0	5	0	10	5.77	10	7.11	10	5.28
3	Lab Equipment	61	15	5	0.67	100	11.3	30	10	70	72.01
4	Lab consumables	25	22.869	19	18.54	15	15.91	20	18.67	40	36.28
5	Salary (T & NT)	2600	2295.12	2600	2206.92	2600	2413.86	2500	2268.38	2500	2157.72
6	Maintenance & Spares	500	349.37	450	239.04	500	403.98	450	451.64	500	503.18
7	R&D	35	26.5	90	82.78	20	95.88	70	49.29	30	24.24
8	Training & travel	20	13.585	20	17.51	70	81.28	65	70.08	60	68.51
9	Others	500	445.79	200	247.17	350	462.07	450	564.53	450	529.92
10	Total:	3776	3198.516	3394	2838.05	3680	3503.63	3650	3490.81	3750	3483.71

10.2.1. Adequacy of budget allocation (5)

(The institution needs to justify that the budget allocated over the years was adequate)

The annual budget is prepared based on requirements of the Institute taking into consideration of annual intake of students, laboratory& infrastructure developments, recruitment of new staff and salaries.

All the functional heads at the institute level will prepare the Annual Operating Plan (AOP) for their respective departments. The draft AOP will be reviewed by Principal with every functional Head and prepares overall institute AOP after many deliberations. Then Final AOP is sent to management for their review and approval. The management approves and sanctions the adequate budget for every financial year. Quarterly, the expenditure against AOP is reviewed. The budget allocation for the last four years is adequate to meet the following needs of Institute

- Student activities: curricular, co-curricular and extra-curricular activities
- Training and encouragement to the students for professional development
- Staff requirement and promotions
- Faculty Professional Development
- Academic Infrastructure and Facilities
- Support for R&D

The budget allocation for the last three years is as shown in below table and it could be observed that the budget earmarked for every financial year is progressively increasing to meet the requirements of academic infrastructure and administration. The budget allocated is sufficient enough to ensure the proposed expenditure in all the department s is fulfilled as per AOP.

Table 10.14: Budget allocation year-wise

	(2021-22)	CFY (2020-21)	CFY m1 (2019-20)	CFYm2 (2018-19)	CFYm3 (2017-18)
Budgeted Amount (Rs. Lakhs)	3776	3300	3670	3610	3750

Table 10.15: Revenue vs Expenditure per student

S. No.	Item	Years				
		(2021-22)	CFY (2020-21)	CFY m1 (2019-20)	CFYm2 (2018-19)	CFYm3 (2017-18)
1	Total number of students	4004	3710	3608	3475	3545
2	Revenue per student	0.9408	0.92	1.11	1.11	1.02
3	Expenditure per student	0.797	0.74	0.971	1.01	0.98

10.2.2. Utilization of allocated funds (5)

Utilization of funds for the last three financial years is shown in table below and it shows that budget earmarked for every financial year is meeting the requirements.

Table 10.16: Utilization of allocated funds

S. No.	Item		Years			
		(2021-22)	CFY (2020-21)	CFY m1 (2019-20)	CFYm2 (2018-19)	CFYm3 (2017-18)
1	Budgeted (in Rs. Lakhs)	3776	3394	3680	3650	3750
2	Expenses (in Rs. Lakhs)	3198.516	2838.05	3503.63	3490.81	3483.71
3	% of utilization of Funds	**84.70**	**83.62**	**95.21**	**95.64**	**92.90**

10.2.3 Availability of the audited statements on institute's Website (5)

Table 10.17: Audited statements

S. No.	Year	Website Address
1	2021-22	https://gmrit.edu.in/sars/Finance_documents.pdf
1	2020-21	https://gmrit.edu.in/sars/Finance_documents.pdf
2	2019-20	https://gmrit.edu.in/sars/Finance_documents.pdf
3	2018-19	https://gmrit.edu.in/sars/Finance_documents.pdf
4	2017-18	https://gmrit.edu.in/sars/Finance_documents.pdf

10.3. Program Specific Budget Allocation, Utilization (30)

Table 10.18: 2021-22

S. No.	Budget		Expenditure		Total No. Students:	636
	Non-Recurring	Recurring	Non-Recurring	Recurring	Expenditure per Student	
1	5	526	3.67	482.91	0.765	
	Total:	531	Total:	486.58		

Table 10.19: CFY 2020-21

S. No.	Budget		Expenditure		Total No. Students:	642
	Non-Recurring	Recurring	Non-Recurring	Recurring	Expenditure per Student	
1	2	608.16	0	583.09	0.908	
	Total:	610.16	Total:	583.09		

Table 10.20 CFYm1 2019-20

S. No.	Budget		Expenditure		Total No. Students:	646
	Non-Recurring	Recurring	Non-Recurring	Recurring	Expenditure per Student	
1	35	562.83	31.15	735.24	1.18	
	Total:	597.83	Total:	766.39		

Table 10.21: CFYm2 2018-19

S. No.	Budget		Expenditure		Total No. Students:	658
	Non-Recurring	Recurring	Non-Recurring	Recurring	Expenditure per Student	
1	19	622.16	7.77	779.44	1.19	
	Total:	641.16	Total:	787.21		

Table 10.22 CFYm3 2017-18

S. No.	Budget		Expenditure		Total No. Students:	658
	Non-Recurring	Recurring	Non-Recurring	Recurring	Expenditure per Student	
1	21	750	13.24	776.26	1.19	
	Total:	771	Total:	789.50		

Table 10.23: Budget Allocation and Utilization

S. No.	Item	Budget 2021-22	Expenses 2021-22	Budget 2020-21	Expenses 2020-21 till	Budget 2019-20	Expenses 2019-20 till	Budget 2018-19	Expenses 2018-19 till	Budget 2017-18	Expenses 2017-18
1	Lab Equipment	5	3.67	2	0	35	31.15	19	7.77	21	13.24
2	Lab consumables	2	0.10	1	0	2.5	1.68	2.5	1.66	2.5	1.92
3	Software	0	0	0	0	0	0	0	0	0	0
4	Maintenance & Spares	71.5	49.91	52	50.96	90	88.64	100	102.39	120	114.38
5	R&D	5	0	30	0	30	0	5	0	15	0
6	Training & travel	2.8	1.94	10	3.73	20	17.83	15	15.89	15	15.57
7	others	444.7	430.96	515.16	528.4	420.33	627.09	499.66	659.50	597.5	644.39
8	Total:	531	486.58	610.16	583.09	597.83	766.39	641.16	787.21	771	789.50

10.3.1. Adequacy of budget allocation (10)

The annual budget is prepared based on requirements of the program taking into consideration of annual intake of students, laboratory consumables & infrastructure developments.

Program coordinator shall prepare the Annual Operating Plan (AOP) for the respective department in consultation with the lab in-charges and various other coordinators. The Final program AOP send to the management for review and approval. The management approves and sanctions the adequate budget for every financial year. Quarterly, the expenditure against AOP is reviewed. The budget allocation for the last four years is adequate to meet the following needs of program:

- Student activities: curricular, co-curricular and extra-curricular activities
- Training and encouragement to the students for professional development
- Faculty Professional Development
- Academic Infrastructure and Facilities
- Support for R&D

The budget allocation for the last four years is as shown in below table and it could be observed that the budget earmarked for every financial year is progressively increasing to meet the requirements of academic operations and infrastructure requirements. The budget allocated is sufficient-enough to ensure the proposed expenditure.

Table 10.24 : Budget allocation year-wise

	(2021-22)	CFY (2020-21)	CFY m1 (2019-20)	CFYm2 (2018-19)	CFYm3 (2017-18)
Budgeted Amount (Rs. Lakhs)	531	610.16	597.83	641.16	771

Table 10.25 : Revenue vs Expenditure per student

S. No.	Item	Years				
		(2021-22)	CFY (2020-21)	CFY m1 (2019-20)	CFYm2 (2018-19)	CFYm3 (2017-18)
1	Total number of students	636	642	646	658	658
2	Revenue per student(in Lakhs)	0.94	0.92	1.11	1.11	1.02
3	Expenditure per student(in Lakhs)	0.76	0.908	1.18	1.19	1.19

10.3.2. Utilization of allocated funds (20)

Utilization of funds for the last three financial years is shown in table below and it shows that budget earmarked for every financial year is meeting the requirements.

Table 10.26: Utilization of allocated funds

S. No.	Item	Years				
		(2021-22)	CFY (2020-21)	CFY m1 (2019-20)	CFYm2 (2018-19)	CFYm3 (2017-18)
1	Budgeted (in Rs. Lakhs)	531	610.16	597.83	641.16	771
2	Expenses (in Rs. Lakhs)	486.58	583.09	766.39	787.21	789.50
3	% of utilization of Funds (Rs. Lakhs)	0.91	0.95	0.67	0.65	0.98

10.4 Library and Internet (20)

GMRIT has spacious Knowledge Resource Centre (Central Library) located at block-4, spread over three floors with seating capacity of 500 users. It is automated with Libsys-4 library management system since the academic year 2005. The Integrated Library Management System (ILMS) supports in house operations of Acquisition, Cataloguing, Circulation, Serials and OPAC through a dedicated server. The library has a rich collection of 68,586 volumes with 20,211 titles.

ILMS is upgraded to Libsys-7 version in the year 2016 to cater the Web centric LIBSYS & LMS on Linux (RHEL) platform for 60,000 unique titles, 5 Housekeeping Clients and 25 user

licenses for Web OPAC. AMC is there in place to maintain the software periodically. It has the modules viz. Cataloguing, WebOPAC, Circulation, Journals/Periodicals, Biometric, etc. facilitating Barcoded circulation, reservation of documents, notifications of the transactions.

- Name of the ILMS software: LIBSYS
- Nature of automation (fully or partially): Full Version:7
- Year of automation:2005 with LIBSYS-4 and updated in 2016 with LIBSYS-7

To cater to the needs of the students and faculty 1GB internet bandwidth is provided 24x7 from three service providers with proper network and Information security deployed through hardware-based firewalls, manageable switches and domain login authentication. Also, antivirus endpoint protection is installed in all computers to handle malware risks in addition to internet authentication by Content Keeper.

10.4.1. Quality of learning resources (hard/soft) (10)

- Relevance of available learning resources including e-resources
- Accessibility to students
- Support to students for self-learning activities

Availability of relevant learning resources including e-resources and Digital Library:

Table10.27: Program specific tittles and volumes

Year	No. of Tittles	No. of volumes	No. of print journals	No. of e-Journals	No. of Magazines
2021-22	635	799	48	73	14
2020-21	16	23	12	91	04
2019-20	86	126	12	91	05
2018-19	75	139	15	91	00
2017-18	99	134	12	91	00

Accessibility to students

i. Timings: 7AM - 10PM/11PM
ii. Web-OPAC: Across the campus, student have access to OPAC through LAN to reserve the issue of the books.
iii. RFID based access to the library at the entry to monitor the library usage
iv. Library management system (LibSys)

Seating capacity:

i. Stack area: 200 seats
ii. Reference area: 100 seats
iii. Reading area: 100 seats
iv. Digital Library:60 seats

Support to students for self-learning activities:

i. LAN Portal: To supplement the class room teaching and to promote the self-learning, all the courses are made available students
ii. All the lecture notes are available session-wise
iii. Direct access to the e-learning platforms like SWAYAM, Coursera,

10.4.2. Internet (10)

i. **Available bandwidth:** Yes, 1 GB Jio + 100MBPS BSNL leased line connectivity
ii. **Wi Fi availability:** Yes, 75 Access points, Campus network
Weblink to Campus N/W diagram:
http://115.241.205.4/gmritnew/nba/GMRIT_NETWORK_DIAGRAM.pdf
iii. **Internet access:** All the Labs, Library and office are connected through LAN and all the classrooms & common areas are Wi-Fi enabled
Security mechanism: Hardware based firewall with domain logins
Weblink to Photographs from Server room:
http://115.241.205.4/gmritnew/nba/Server_Room_Photos.pdf

Declaration

- I undertake that, the institution is well aware of the provisions in the NBA's accreditation manual concerned with this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institutes' hall fully abide by them.
- It is submitted that information provided in this Self-Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA in case, any false statement/information is observed during pre-visit, visit post-visit and subsequent to the grant of accreditation.

Head of the Institute
Name : Dr. C L V R S V Prasad
Designation: Principal
Signature :

Seal of the institution:

Place: Rajam

Date: 11.11.2022