Sri Vasavi Institute of Engineering and Technology

Electronics & Communication Engineering

Part A : Institutional Information

1   Name and Address of the Institution

Sri Vasavi Institute of Engineering and Technology,
Nandamuru, Pedana Mandal, Krishna District., Andhra Pradesh - 521369.

2   Name and Address of Affiliating University

JNTUK Kakinada

3   Year of establishment of the Institution:

2008

4   Type of the Institution:

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

5   Ownership Status:

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

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

Name of Institutions	Year of Establishment	Programs of Study	Location

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

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
VLSI System Design	PG	2012	2012	18	Yes	9	Eligible but not applied	--	--	No	2

Sanctioned Intake for Last Five Years for the VLSI System Design	
Academic Year	**Sanctioned Intake**
2024-25	9
2023-24	9
2022-23	9
2021-22	9
2020-21	9
2019-20	18

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
Electronics & Communication Engineering	UG	2008	2008	60	Yes	120	Granted accreditation for 3 years for the period (specify period)	2022	2025	Yes	4

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Computer Science and Engineering
2	Under Graduate	Engineering & Technology	Electronics & Communication Engineering
3	Under Graduate	Engineering & Technology	Mechanical Engineering

9 Total number of employees in the institution:

A. Regular* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	52	52	53	53	51	51
Faculty in Engineering (Female)	26	26	24	24	20	20
Faculty in Maths, Science & Humanities (Male)	21	21	21	21	21	21
Faculty in Maths, Science & Humanities (FeMale)	15	15	15	15	15	15
Non-teaching staff (Male)	60	60	63	63	63	63
Non-teaching staff (FeMale)	30	30	30	30	32	32

B. Contractual* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (FeMale)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (FeMale)	0	0	0	0	0	0

10   Total number of Engineering Students:

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

Engineering and Technology- UG Shift-1

Items	2024-25	2023-24	2022-23
Total no. of Boys	884	818	715
Total no. of Girls	823	750	653
Total	1707	1568	1368

Engineering and Technology- PG Shift-1

Items	2024-25	2023-24	2022-23
Total no. of Boys	6	1	0
Total no. of Girls	9	2	2
Total	15	3	2

Engineering and Technology- Polytechnic Shift-2

Items	2024-25	2023-24	2022-23
Total no. of Boys	324	346	334
Total no. of Girls	243	211	185
Total	567	557	519

11 Vision of the Institution:

To emerge as a premier engineering institution in rural India imparting values based education for the socio-economic upliftment

12 Mission of the Institution:

IM1: Provide the most creative learning environment for Technical Excellence of stakeholders

IM2 : Promote industry-institute interaction for skill enhancement and to meet the industry needs

IM3 : Create an environment to the stakeholders to be good citizens with integrity and morality.

IM4 : Committed to improve technial excellence, ethical values continuously.

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

Head of the Institution	
Name	Dr B.Raja Srinivasa Reddy
Designation	Principal and Professor of CSE
Mobile No.	9121214620
Email ID	principal@sviet.edu.in

☑**NBA Coordinator, If Designated**

Name	Pola Sri kanth
Designation	Assistant Professor
Mobile No.	9177826499
Email ID	iqac@sviet.edu.in

PART B: Criteria Summary

Critera No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	60	60.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	120	120.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	120	120.00
4	STUDENTS' PERFORMANCE	150	102.60
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	174.50
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	44.49
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	**1000**	**921**

Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (60)   Total Marks 60.00

1.1 State the Vision and Mission of the Department and Institute (5)   Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	To emerge as a premier engineering institution in rural India imparting values based education for the socio-economic upliftment
Mission of the institute	IM1: Provide the most creative learning environment for Technical Excellence of stakeholders IM2 : Promote industry-institute interaction for skill enhancement and to meet the industry needs IM3 : Create an environment to the stakeholders to be good citizens with integrity and morality. IM4 : Committed to improve technial excellence, ethical values continuously.
Vision of the Department	To become centre of excellence in Electronics and Communication Engineering to meet the challenges of industry and the society.
Mission of the Department	<table><tr><th>Mission No.</th><th>Mission Statements</th></tr><tr><td>M1</td><td>Impart high quality education to enable students to face challenges of Electronics and Communication Engineering.</td></tr><tr><td>M2</td><td>Provide all possible support to promote activities in the related areas of VLSI,Comminications,Signal Processing,and Micro Processors & Micro Controllers</td></tr><tr><td>M3</td><td>Inculcate ethical,professional values and life - long learning skills to address the societal needs.</td></tr></table>

1.2 State the Program Educational Objectives (PEOs) (5)   Total Marks 5.00

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements
PEO1	Graduates shall accomplish Excellence in professional career and pursue higher studies with innovation.
PEO2	Graduates shall be competent professionals by inculcating values with profound knowledge in Electronics and Communication Engineering.
PEO3	Graduates shall have an attitude to apply technical knowledge to solve real time industrial problems and develop lifelong learning attitude.
PEO4	Graduates shall aware of multi disciplinary knowledge in the context of teamwork.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)   Total Marks 10.00

Institute Marks : 10.00

A. Adequacy in respect of publication & dissemination (2)

The Vision and Mission statements along with PEO's are published (Internal and External Stake Holders) at

☐ Department Home Page of the College Website

(https://www.sviet.edu.in/department-of-ece/faculty-of-ece/)

☐ Department Newsletter

☐ Course files

☐ Lab Manuals

☐ Project Books

☐ Departement Magazine

The Vision and Mission statements along with PEO's are displayed (Internal and External Stake Holders) at

☐ HoD Room

☐ Faculty Rooms

☐ Department Library

☐ Department Corridors

☐ Department Notice Boards
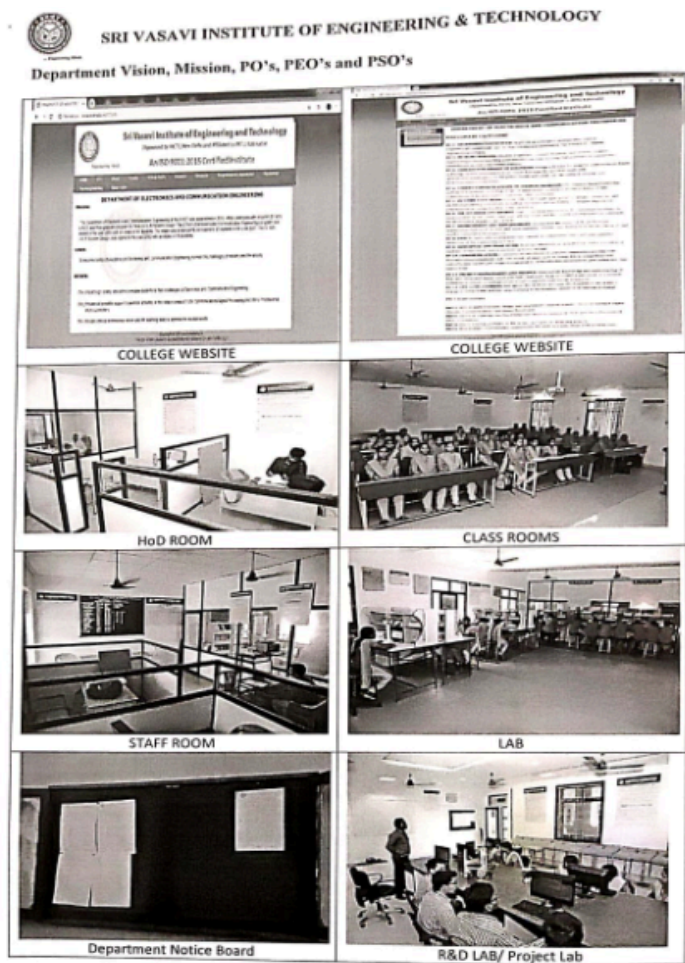
☐ Classrooms

☐ Tutorial Room

☐ Department Laboratories

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Department Vision, Mission, PO's, PEO's and PSO's

Fig: 1.3.1 Images of display of Vision,mission,PEOs.

Table 1.3.1: Display of Vision, Mission & PEOs to Stakeholders

Facility	Room Number(s)	Count
HoD Room	015	1
Faculty Room	001	1
Department Library	015-A	1
Department Corridors	Ground,First and Third Floor	3
Department Notice Board	Staff Rooms , All Labs	10
Classrooms	002,003,004,005,112,113,B3 101,B3 102	8
Tutorial Room	B3 103	1
Laboratories	101,102,103,310,311,008	6

The Vision and Mission Statements along with PEO's are disseminated (Internal and External Stake Holders) at

Department Meetings
FDPs, Workshops, Guest Lectures & Seminars
Technical Events
Student Orientation Programs
Placement Drives
Parents Meetings
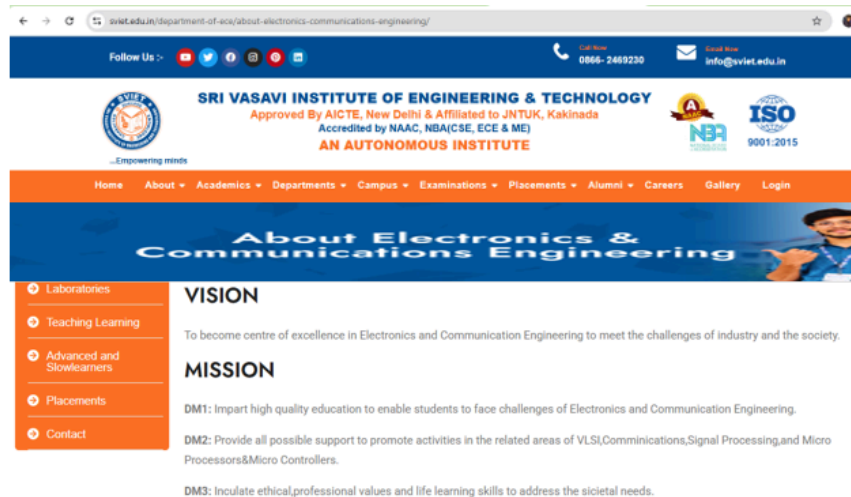Alumni Meetings
Exit Students
Employers

Figure 1.3.2 : Publication of Vision and Mission in College Website

B. Process of dissemination among stakeholders (2)

C. Extent of awareness of Vision, Mission & PEOs among the stakeholder (6)

Extent of awareness of Vision, Mission & PEOs among the stakeholder are followed according to the events in below table.
The Process which ensures awareness among internal and external stakeholders is shown in table below.

Table 1.3.2: Communication of Vision, Mission & PEOs to Stakeholders

S. No	Stakeholder	Process of Dissemination	Time line of Dissemination	Responsibility
1	Students	Induction Program	Beginning of the Academic Year	HoD Presentation
2	Parents	Parents Meeting	Beginning of the Academic year	Principal & HoD
3	Alumni	Alumni Meeting	End of the Academic Year	Alumni Coordinator

4	Employer	Placement Drives	End of the Semester	TPO
5	Faculty	Staff Meetings	Twice in a Semester	HoD
6	Society	When NSS Activities are Conducted	Once in a Semester	NSS Coordinator
7	Governing Body	GB Meeting	Once in an Academic Year	Principal

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (25)   Total Marks 25.00

Institute Marks : 25.00

A. Description of process involved in defining the Vision, Mission of the Department (10)

In formulating the Vision and Mission of the Department, the following steps are followed:
- Vision and Mission of the institution and sample Departrment Vision & Mission statements of other colleges were taken as input.
- Views were collected from the stakeholders of the department such as students, alumni, faculty, employers and parents.
- The views about the Vision and Mission of the department were consolidated and draft statements are formulated by the Program Assessment Committee (PAC).
- The Department Committee (DC) conducted brainstorming session and reviewed the draft statements of Vision and Mission and checked the consistency/alignment with the Vision and Mission of the Institute. The statements were sent to Department Advisory Committee (DAC) for further refinement of the Vision and Mission statements.
- DAC reviewed and suggestions were included into the statements by DC to finalize the Vision and Mission statements. Finalized statements were sent to the College Academic Committee (CAC) for approval.
- Upon approval, Vision and Mission statements of the department were published, displayed and disseminated among all Stakeholders.
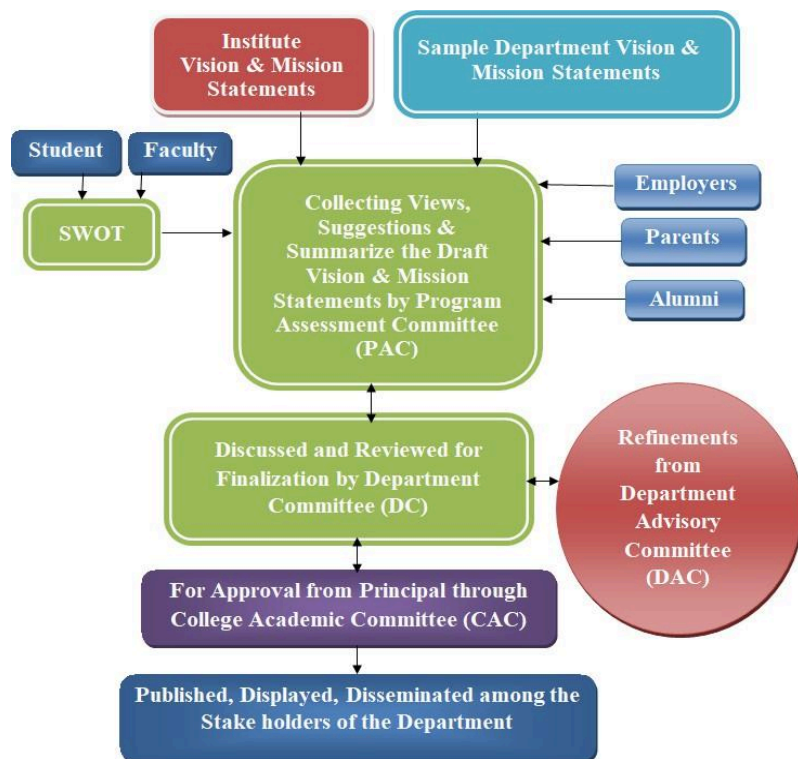
Vision, Mission Formation Process Chart

Figure 1.4.1: Process Chart for Defining Department Vision and Mission

B. Description of process involved in defining the PEOs of the program (15)

Description of process for defining the PEOs & PSOs of the program :

- Vision and Mission of the institute were taken as input.
- Vision and Mission of the Department were taken as an input.
- NBA defined Program outcomes (POs) were taken as an input
- The Program Assessment Committee (PAC) collects the survey results of various stakeholders.
- On considering the views of the stakeholders, the PEOs & PSOs were formulated by the PAC.
- The PEOs & PSOs are presented before the Department Committee (DC) & Department Advisory Committee (DAC) for additional inputs to improvise the program.
- Finalized statements were sent to the College Academic Committee (CAC) for approval.

- Upon approval,PEOsof the department were published, displayed and disseminated among all Stakeholders.

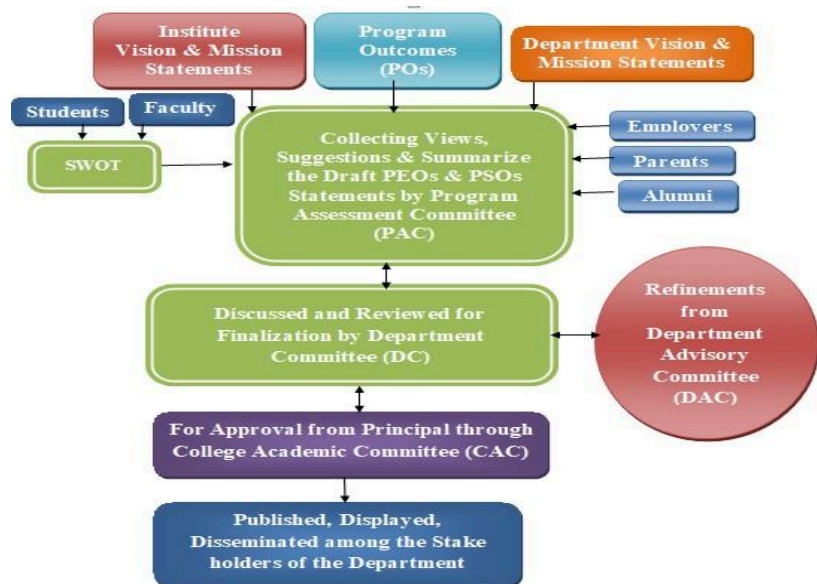## PEOs Formation Process Chart

Figure 1.4.2: Process chart for Defining PEOs & PSOs

1.5 Establish consistency of PEOs with Mission of the Department (15)   Total Marks 15.00

Institute Marks : 15.00

A. Preparation of a matrix of PEOs and elements of Mission statement (5)

Justification of PEOs Mapping with Department Mission

Table 1.5.1: PEOs mapping with department mission statements

PEO Statements	DM_1	DM_2	DM_3
PEO_1: Graduates shall accomplish Excellence in professional career and pursue higher studies with innovation	3	3	2
PEO_2: Graduates shall be competent professionals by inculcating values with profound knowledge in Electronics and Communication Engineering	2	2	3
PEO_3: Graduates shall have an attitude to apply technical knowledge to solve real time industrial problems and develop lifelong learning attitude	2	2	2
PEO_4: Graduates shall aware of multi disciplinary knowledge in the context of teamwork	2	3	2
Correlation Level: 3: High; 2: Moderate; 1: Low			

B. Consistency/justification of co-relation parameters of the above matrix (10)

PEOs mapping with Department Mission

DM_1 : Impart high quality education to enable students to face challenges of Electronics and Communication Engineering.

Table 1.5.2 PEOs mapping with department mission statement 1

	DM_1	Justification
PEO_1	3	DM1 ensures that graduates are equipped with a high standard of education, empowering them to excel in their careers and pursue innovation in higher studies, aligning with the goals of PEO1.
PEO_2	2	DM1's focus on high-quality education directly fosters deep technical knowledge in Electronics and Communication Engineering, ensuring graduates are competent professionals as described in PEO2.
PEO_3	2	DM1 equips graduates with strong technical knowledge, which is essential for applying it to solve real-time industrial problems, as emphasized in PEO3.
PEO_4	2	DM1 provides a broad-based education, helping graduates gain multidisciplinary knowledge that encourages the integration of different technical fields for effective teamwork.

DM_2: Provide all possible support to promote activities in the related areas of VLSI, Communications, Signal Processing, and Micro Processors & Micro Controllers.

Table 1.5.3 PEOs mapping with department mission statement 2

	DM_2	Justification
PEO_1	3	DM2 prepares graduates for specific career paths in emerging fields like VLSI and Signal Processing, encouraging innovation and a solid foundation for both career growth and higher studies
PEO_2	2	DM2 offers specific domain expertise, such as in VLSI and Communications, which helps build the profound knowledge that PEO2 aims for, ensuring graduates are highly skilled professionals
PEO_3	2	DM2 supports the development of specialized technical skills, ensuring graduates are capable of solving real-world problems in industries such as VLSI and Communications.

| PEO$_4$ | 3 | DM2 fosters a multidisciplinary approach by promoting knowledge in diverse specialized areas, preparing graduates to work across different disciplines in team-based environments. |

DM$_3$: Inculcate ethical, professional values and life-long learning skills to address the societal needs.

Table 1.5.4 PEOs mapping with department mission statement 3

	DM$_3$	Justification
PEO$_1$	2	PEO1 has moderate correlation with DM 3 as the Mission 3 focuses life long learning skills to solve societal needs.
PEO$_2$	3	DM3's focus on ethics and professional values ensures graduates are not only technically proficient but also socially responsible, aligning with the values promoted in PEO2.
PEO$_3$	2	DM3 emphasizes lifelong learning and adaptability, which is essential for graduates to continue developing their skills and solving evolving industrial challenges, as stated in PEO3.
PEO$_4$	2	DM3 supports the development of teamwork skills by emphasizing professional values, communication, and collaborative learning, which are crucial for graduates to thrive in multidisciplinary settings

PEO Statements	M1	M2	M3
Graduates shall accomplish Excellence in professional career and pursue higher studies with innovation.	3	3	2
Graduates shall be competent professionals by inculcating values with profound knowledge in Electronics and Communication Engineering.	2	2	3
Graduates shall have an attitude to apply technical knowledge to solve real time industrial problems and develop lifelong learning attitude.	2	2	2
Graduates shall aware of multi disciplinary knowledge in the context of teamwork.	2	3	2

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (120)   Total Marks 120.00

2.1 Program Curriculum (20)   Total Marks 20.00

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

Institute Marks : 10.00

PROGRAM CURRICULUM AND TEACHING-LEARNING PROCESS

Program Outcomes (POs)

Table 2.0.1: List of Program Outcomes

PO1	**ENGINEERING KNOWLEDGE**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**PROBLEM ANALYSIS**: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	**DESIGN/DEVELOPMENT OF SOLUTIONS**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	**CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	**MODERN TOOL USAGE**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO6	**THE ENGINEER AND SOCIETY**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	**ENVIRONMENT AND SUSTAINABILITY**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	**ETHICS**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	**INDIVIDUAL AND TEAM WORK**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	**COMMUNICATION**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and writ effective reports and design documentation, make effective presentations, give and receive clear instructions.
PO11	**PROJECT MANAGEMENT AND FINANCE**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	**LIFE-LONG LEARNING**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

Table 2.0.2: List of Program Specific Outcomes

PSO1	Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing.
PSO2	Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.
PSO3	Able to identify problems in the society and solve by designing projects .
PSO4	Able to improve personality development life skills and make them to be industry ready

Sri Vasavi Institute of Engineering & Technology adheres to curriculum and syllabi prescribed by JNTUK, Kakinada. The syllabi comprise of multi-faceted courses covering theory and practicals, and currently implementing regulations that are under way.

Table 2.1.1.1: Curriculum Regulation Details

S. No	Batch	Regulation	University

1	2018 – 19	R16	
2	2019 – 20	R19	
3	2020 – 21		JNTUK, Kakinada
4	2021 – 22	R20	
5	2022 – 23		
6	2023 – 24	R23	AUTONOMOUS
7	2024 – 25		

UNIVERSITY CURRICULUM

A. Process used to identify extent of compliance of university curriculum for attaining POs & PSOs (6)

Sri Vasavi Institute of Engineering & Technology is affiliated to Jawaharlal Nehru Technological University, Kakinada. Depending on the structure and framing of the curriculum and syllabus prepared by the JNTUK, all the Program Outcomes of this B. Tech ECE program offered by it. POs are prescribed by the National Board of Accreditation. Course Outcomes are defined by the course handling faculty aligned to university curriculum. We relate these Course Outcomes with POs and PSOs. The curriculum given by university is as below:

Electronics and Communication Engineering (R20 Regulation)

Total Course Credits = 19.5+19.5+21.5+21.5+21.5+21.5+23+12 = 160

The program curriculum is categorized into various streams like Humanities and Social Science including Management Courses, Basic Science Courses, Engineering Science Courses, Professional Core Courses, Professional Elective Courses, Open Elective Courses, Project Work, Mandatory Courses, Skill Oriented Courses and Laboratory Courses in the stream are identified. Course Outcomes (COs) are defined for all the courses. Cos are mapped with Pos and PSOs.

Table 2.1.1.2: Various Course Components of Program Curriculum

S. No	Programme Curriculum Components	R 20 Regulation		
		Number of Courses	Number of Credits	Mapped Pos and PSOs
1	Humanities and Social Sciences Courses **(HS)**	3	9	PO1, PO2, PO4, PO6, PO7, PO8, PO9, PO10, PO12, PSO3
2	Basic Sciences Courses **(BS)**	7	21	PO1, PO2, PO3, PO4, PO6, PO7, PO9, PO12, PSO1, PSO3
3	Engineering Science Courses **(ES)**	5	15	PO1, PO2, PO3, PO4, PO12, PSO1, PSO3
4	Professional Core Courses **(PC)**	12	36	PO1, PO2, PO3, PO4, PO5, PO12, PSO1, PSO2, PSO3
5	Professional Elective Courses **(PE)**	5	15	PO1, PO2, PO3, PO4, PO5, PO6, PO11, PO12, PSO1, PSO2, PSO3
6	Open Elective Courses **(OE)**	4	12	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO12, PSO1, PSO2, PSO3
7	Laboratory Courses**(LC)**	17	25.5	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

8	Mandatory Courses **(MC)**	6	4.5	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
9	Skill Oriented Courses **(SC)**	5	10	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
10	Project Work (PROJ)	1	12	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
	Total	**65**	**160**	

The curriculum for the Electronics and Communication Engineering programme as prescribed by the University has Curriculum Components Analysis (R-20 Regulation)

Curriculum Components Analysis–No. of Courses, credits, Hours-Wise

Table 2.1.1.3: Program Curriculum Analysis (R-20)

S. No	Curriculum Components	No. of Courses	% Courses	Total Credits	% Credits	Total Hours	% Hours
1	Humanities and Social Sciences Courses **(HS)**	3	4.6	9	5.6	9	4.6
2	Basic Sciences Courses **(BS)**	7	10.8	21	13.1	22	11.2
3	Engineering Science Courses **(ES)**	5	7.7	15	9.4	17	8.6
4	Professional Core Courses **(PC)**	12	18.5	36	22.5	42	21.3

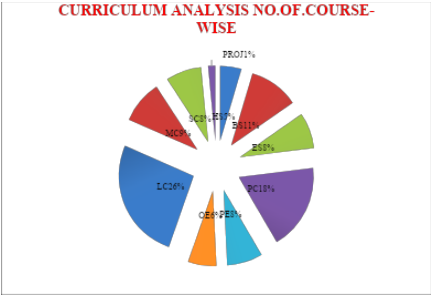| 5	Professional Elective Courses **(PE)**	5	7.7	15	9.4	15	7.6
6	Open Elective Courses **(OE)**	4	6.2	12	7.5	16	8.1
7	Laboratory Courses **(LC)**	17	26.2	25.5	15.9	48	24.4
8	Mandatory Courses (**MC**)	6	9.2	4.5	2.8	10	5.1
9	Skill Oriented Courses **(SC)**	5	7.7	10	6.3	18	9.1
10	Project Work (PROJ)	1	1.5	12	7.5	_	_
	Total	**65**	**100**	**160**	**100**	**214**	**100**

Figure 2.1.1.1: Number of Courses Wise Program Curriculum Analysis
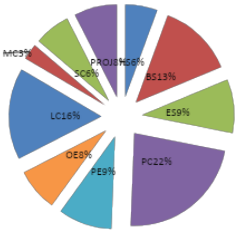
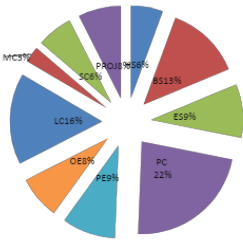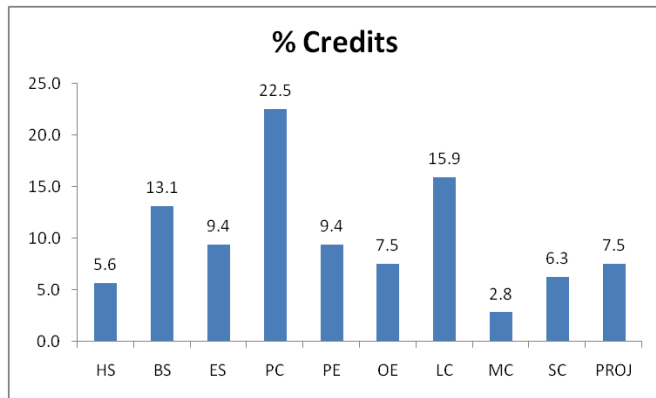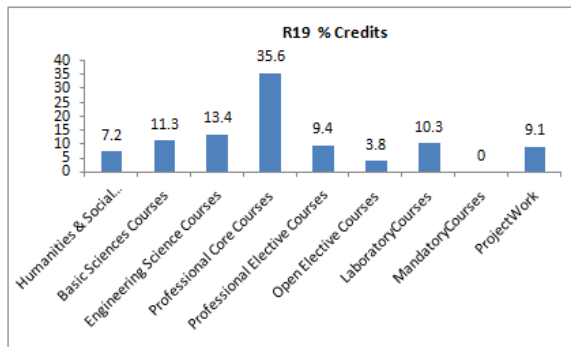**Figure 2.1.1.2: Credits Wise Program Curriculum Analysis**

Figure 2.1.1.3: Hours Wise Program Curriculum Analysis

Table 2.1.1.4: Program Curriculum Analysis AICTE (2018) Vs JNTUK (R-20)

Category	No. Of. Courses %		HOURS%		C %	
	JNTUK	AICTE	JNTUK	AICTE	JNTUK	AICTE
Humanities and Social Sciences Courses **(HS)**	4.6	4.92	9	5.16	5.6	5.63

Basic Sciences Courses **(BS)**	10.8	11.48	22	12.68	13.1	15.63
Engineering Science Courses **(ES)**	7.7	4.92	17	4.69	9.4	5.63
Professional Core Courses **(PC)**	18.5	21.31	42	18.31	22.5	24.38
Professional Elective Courses **(PE)**	7.7	11.48	15	11.27	9.4	13.13
Open Elective Courses **(OE)**	6.2	8.20	16	7.04	7.5	9.38
Laboratory Courses**(LC)**	26.2	27.87	48	23.00	15.9	15.63
Mandatory Courses **(MC)**	9.2	4.92	10	2.82	2.8	0.00
Skill Oriented Courses **(SC)**	7.7	1.64	18	1.88	6.3	1.88
Project Work (PROJ)	1.5	3.28	_	13.15	7.5	8.75

R20 CREDITS

R19 Credits

R16 Credits

% OF CREDITS

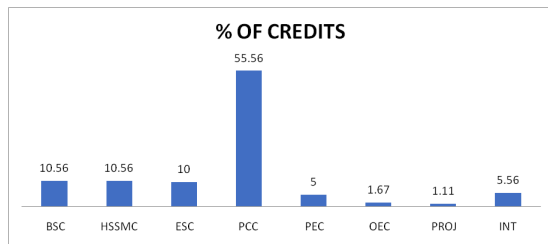| BSC	HSSMC	ESC	PCC	PEC	OEC	PROJ	INT
10.56	10.56	10	55.56	5	1.67	1.11	5.56

Figure 2.1.1.4: % Credits Wise Program Curriculum Analysis(R20,R19,R16)

ARTICULATION MATRIX (R20 Regulation)

Table 2.1.1.5: Articulation Matrix of **JNTUK (R-20) Curriculum before Gaps**

S.No	CO.NO	MAPPING LEVEL OF COS WITH POS																
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3	PSO4
1	C111 (ENG)	-	-	-	-	-	1	1	1.5	1.66	2.5	-	2	-	-	-	2
2	C112 (M-I)	3	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
3	C113 (AC)	1	2	2	-	-	2	2.5	-	-	-	-	-	-	-	-	-
4	C114 (PPSC)	2.75	2.5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
5	C115 (ED)	3	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-
6	C116 (ENG LAB)	1	-	-	-	-	1.33	1.5	-	-	2.25	-	-	-	-	-	2
7	C117 (AC LAB)	2	2	-	-	-	3	3	-	-	-	-	-	-	-	-	-
8	C118 (PPSC LAB)	3	2.8	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-
9	C121 (M-II)	3	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
10	C122 (AP)	3	2	-	1.5	-	-	-	-	1	-	-	-	-	-	-	-
11	C123 (OOPS)	2.75	2.5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
12	C124 (NA)	2.6	2.4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
13	C125 (BEE)	2.8	2.6	2	-	-	-	-	-	-	-	-	2.4	-	-	-	-
14	C126 (EW LAB)	2.83	-	-	-	2	-	-	-	3	-	-	2	2	2	2	-
15	C127 (BEE LAB)	3	2	1	-	-	-	-	2	2	-	3	3	2	-	-	-
16	C128 (AP LAB)	2	1	-	2	2	-	-	-	3	-	-	-	-	-	-	-

#	Course	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	C129 (ES)	1	-	1	-	-	2	2.5	-	-	-	-	-	-	-	-	-
18	C211 (EDC)	2.8	1.75	-	-	-	-	-	-	-	-	-	2	3	-	-	-
19	C212 (STLD)	2.4	2.4	2.33	-	-	-	-	-	-	-	-	-	3	1	-	-
20	C213 (SS)	2	2	-	-	-	-	-	-	-	-	-	-	3	-	2	-
21	C214 (M-III)	3	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
22	C215 (RVSP)	2	3	-	-	-	-	-	-	-	-	-	-	3	-	1	-
23	C216 (OOPS LAB)	2	3	3	3	1.5	-	-	-	1	-	-	2	-	-	-	-
24	C217 (EDC LAB)	3	2	2	1	3	-	1	1	1	1	1	2	1	2	2	-
25	C218 (STLD LAB)	3	3	2	2	-	-	-	2	-	-	-	2	2	1	1	-
26	C219 (PP)	2	2	-	-	2	-	-	-	-	-	-	2	-	-	-	-
27	C221 (ECA)	2	2	-	-	1.5	-	-	-	-	-	-	1	2	-	-	-
28	C222 (DICD)	2	3	2	2	2	-	-	-	-	-	-	-	3	3	3	-
29	C223 (AC)	3	2	-	-	1	-	-	-	-	-	-	2	2.8	-	1.6	-
30	C224 (LCS)	3	2	2	2	-	-	-	-	-	-	-	2	3	-	2	-
31	C225 (MOB)	2.3	2.3	-	2.5	-	2.5	-	2.5	2.5	-	2	-	-	-	3	-
32	C226 (ECA LAB)	3	-	2	-	3	-	-	-	-	-	-	2	2	2	-	-
33	C227 (AC LAB)	3	-	2	1.5	2.5	-	-	2.66	-	-	2.5	2	2	2	-	-
34	C228 (DICD LAB)	3	3	2	2	-	-	-	2	-	-	2	2	1	1	-	-
35	C229 (SOFT SKILLS)	-	-	-	-	-	-	2	-	2	-	3	-	-	-	-	2
36	C22A (COI)	1	-	-	-	1	2	2	-	-	-	2	-	-	-	-	-
37	C311 (AICA)	3	2.4	2	-	-	-	-	-	-	-	-	2	3	-	2.6	-
38	C312 (EMWTL)	2	3	2	-	-	-	-	-	-	-	-	2	2	-	2	-
39	C313 (DC)	2.8	2.4	2	-	-	-	-	-	-	-	-	2	3	1.5	1	-
40	C314 (COA)	2	1.5	1	-	1	-	-	-	-	-	-	2	-	2	1	-
41	C315 (EMI)	2.8	2.6	3	3	-	-	-	-	-	-	-	2	3	-	-	-

No.	Subject	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
42	C316 (AICA LAB)	3	3	3	3	-	-	-	-	-	-	-	-	3	-	3	-
43	C317 (DC LAB)	2	-	-	2	2	-	-	-	2	2	-	-	3	1	1	-
44	C318 (DS USING JAVA)	1.8	2	2.25	-	-	-	-	-	-	-	-	-	3	-	2.4	-
45	C319 (ITK)	-	-	-	-	-	-	-	-	3	-	2	-	-	-	-	-
46	C31A (SUMMER INTERNSHIP)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
47	C321 (MPMC)	2.6	2.25	2	-	2	-	-	-	-	-	-	2	-	2.67	2	-
48	C322 (VLSID)	2.4	2	2.5	-	1.5	-	-	-	-	-	-	2.5	2	3	2	-
49	C323 (DSP)	2.2	2	2	2	3	-	-	-	-	-	-	-	2	-	2	-
50	C324 (ES)	2.4	2	2	3	2.33	-	-	-	-	-	2	2	2	3	2.4	-
51	C325 (CN)	2.2	2.5	2	-	2	-	-	-	-	-	-	2	3	-	2	-
52	C326 (MPMC LAB)	2.33	-	2.33	2	2.5	-	-	-	2.5	2	-	2.33	2.2	2.2	2.2	-
53	C327 (VLSI LAB)	3	-	2	-	3	-	-	-	1	-	-	3	-	2	2	-
54	C328 (DSP LAB)	2.2	2	2	2	3	-	-	-	-	-	-	-	2	-	2	-
55	C329 (ARM LAB)	2	-	2	2	2	-	-	-	-	-	-	2	2.2	2.2	2.2	-
56	C32A (RM)	-	-	-	-	-	-	2	-	3	-	-	-	-	-	-	-
57	C411 (OC)	2.6	2.25	2	2	-	-	-	-	-	-	-	2	3	-	1	-
58	C412 (SC)	2.4	2.4	-	1	-	1.67	-	-	-	-	-	2	3	-	2	-
59	C413 (RE)	2.4	2.4	1.8	1.8	1.8	-	-	-	-	-	-	-	3	2	2	-
60	C414 (IIOT)	2	1	1.5	2	1.5	2	2	-	-	-	-	1.75	-	2	3	-
61	C415 (CNS)	2.6	2.4	2	-	1.67	1.67	-	-	-	-	-	1	3	-	2	-
62	C416 (UHV)	-	-	-	-	-	-	3	-	2	-	-	-	-	-	-	-
63	C417 (DT LAB)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
64	C418 (INDUSTRIAL INTERNSHIP)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
65	C421 (PROJ)	2.5	2.2	2.2	2.6	3	2.2	2.2	2.25	2.17	2.17	2.5	2.17	2	2.17	2.33	2.33
AVERAGE		2.46	2.3	2.08	2.18	2.17	2.1	2.23	2.3	2.21	2.24	2.36	2.04	2.57	2.11	2.02	2.48

PO/PSOs Average of all Courses:

Table 2.1.1.6: POs/PSOs Average of all Courses in JNTUK (R-20) Curriculum

PO/PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CURRICULUM (R20)	2.46	2.3	2.08	2.18	2.17	2.1	2.23	2.3	2.21	2.24	2.36	2.04	2.57	2.11	2.02	2.48
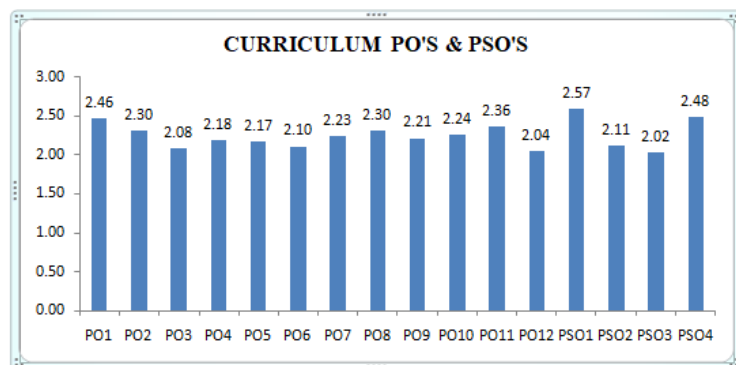
Figure 2.1.1.5: Analysis of POs/PSOs of all Courses in JNTUK (R-20) Curriculum
Overall Average of all POs =2.23,   Target = 0.8*Overall Average of POs = 1.78

Overall Average of all PSOs =2.39,   Target = 0.8*Overall Average of PSOs = 1.91

All POs & PSOs have reached the kept target, but for improvement we identify POs which are less than Overall PO Average , Which are **PO3, PO4, PO5, PO6, PO9, PO12** & **PSO2, PSO3** observed from above table .

Curricular gaps for the attainment of defined Program Outcomes (POs) and Program Specific Outcomes (PSOs):

As an affiliated institution, the programs are bound to follow the curriculum set by the university. It is necessary to identify the curricular gaps and take measures to bridge them by supplementing the curriculum with content beyond the syllabus through active teaching and learning methodologies.
The processes to identify the curricular gaps are carried out in the following ways:
- Feedback from the student exit survey was consolidated to identify the curricular gaps.
- Employer feedback surveys are consolidated, and the suggestions are considered and conveyed to the appropriate boards responsible for framing the syllabi.
- An alumni survey has been taken to get information about requirements in industries, and industry experts who conduct placements through CRTP shall be consolidated, and their suggestions shall be considered by the Program Assessment Committee for identifying the curricular gaps.
- The shortcomings in the curriculum to attain the Program Outcomes (POs) are identified as curricular gaps.

Program Assessment Committee (PAC) discusses the advantages and disadvantages of the current scheme with the help of course feedback surveys, student exit surveys, alumni surveys, employer surveys, etc., and formulates recommendations for the next scheme. These recommendations are submitted to the university. The Course Outcomes (COs) of the courses are mapped to the relevant POs and PSOs through individual COs to identify the curriculum gaps.
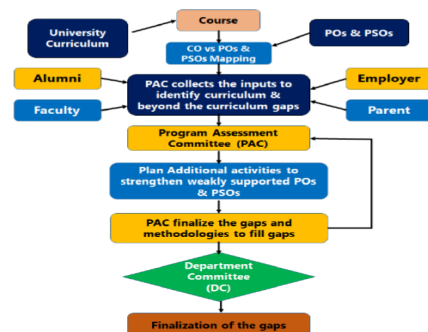
PROCESS CHART FOR GAP IDENTIFICATION

Fig 2.1.1.6 Process for Gap identification

Curriculum gaps are identified using the following process in the department.

1. University Curriculum is taken as input
2. Course outcomes are prescribed by subject handling faculty by considering Course Syllabus form, affiliated university curriculum.
3. POs defined by NBA and PSOs defined by Department Academic Committee (DC) are considered for mapping of COs with POs and PSOs.
4. Subject handling faculty identifies gaps of the subject by considering the university curriculum.
5. Alumni, Employer, Student (Exit), and Industry Experts feedback also collected on curriculum.
6. The coordinator of Program Assessment Committee (PAC) collects the gaps from faculty.
7. PAC receives inputs from the coordinator and discuss with them and list out the gaps to conduct, additional activities to strengthen weakly supported POs and PSOs.
8. PAC suggests suitable implementation methods such as conducting certificate courses, additional lab sessions, guest lectures, seminars, workshops and industrial visits etc.
9. PAC sent the identified gaps to provides methodology to fill the gaps are sent to Department Academic Committee (DC) for approval.
10. After approval from Department Academic Committee (DC) the gaps and methodologies to fill the gaps are sent to the College Academic Committee (CAC).
11. The CAC send the list of gaps to the University Registrar.

Evaluation Process: The consolidated curriculum gaps in each course and the proposed list of actions are put forth for verification by Program Assessment Committee (PAC). After approved by Department Advisory Committee (DAC), the actions are in corporate at various stages of delivery in courses lecture plans and in the department event planner etc. After completion of every action, the DAC conducts an exam feedback session which is followed for acquiring the satisfaction level of the students over those topics introduced as an additional concept for fulfilling the curriculum gaps, and the result is accumulated to the attainment of POs, PSOs. During the semester course instructor assesses the COs and POs/PSOs by conducting assessments, class test, quiz, and mid exams as an internal assessment. The external assessment is done as per the schedule of the affiliated university i.e., JNTUK. The procedural training towards Outcome Based Education (OBE) was imparted to the course coordinators. Relevant courses are collected based on its contents and grouped them as modules which consists of Basic Sciences, Humanities and Social Sciences, Engineering Core and electives and other courses. For each course, the knowledge level of corresponding course outcomes is formulated. Curriculum compliance may be verified by organizing the information into a matrix (CO-PO strength matrix) which maps the link between the course outcomes (COs) and the program out comes (POs). Mapping not only provides the information of what requirements (POs), but also manifests the way and possible level of attaining the POs by curriculum. The same process is extended to COs-PSOs strength matrix. From the identified through consolidation of average CO – PO/PSO mapping of all courses.

CURRICULAR GAP: The courses and the course contents prescribed in the curriculum are mapped to the relevant POs and PSOs through individual course outcomes (COs). Curriculum gaps are identified through consolidation of average CO – PO/PSO mapping of all courses. The identified curricular gaps are as listed below

B. List the curricular gaps for the attainment of defined POs & PSOs (4)

Table 2.1.1.7:CURRICULAR GAPS IDENTIFIED IN A.Y 2023-2024:

S.NO	Course Name	Course Code	Action Taken	CO	Relevance to POs & PSOs
1	EDC	C211	A PPT Session on Zener Diode as Voltage Regulator, Series & Shunt Regulator	CO2	PO2
2	SS	C213	Conducted a Session on Introduction to realization of Digital Filters by using Linear Differential Equations	CO2	PO1,PO2,PO5, PO9

3	ECA	C221	Conducted a Session on Active Loaded Single Stage Amplifier	CO2	PO3, PO4, PO5, PO9, PO12
4	AC	C223	Demonstration given on Applications of Pulse Systems	CO5	PO6, PSO1, PSO3
5	DC	C313	Conducted a Session on ASK, FSK, QPSK Wave Analysis Using MATLAB	CO2	PO1, PO2, PO5
6	VLSID	C322	Conducted a Session on Layout diagrams for MOS Circuits	CO2	PO3, PO5, PSO2
7	OC	C411	Conducted a Session on Coherent Optical Fiber Communications	CO5	PO5
8	SC	C412	Conducted a Session on Concept of Micro Satellites	CO5	PO10

Table 2.1.1.8:CURRICULAR GAPS IDENTIFIED IN A.Y 2022-2023:

S.NO	Course Name	Course Code	Action Taken	CO	Relevance to POs & PSOs
1	EDC	C211	A PPT Session on Zener Diode as Voltage Regulator, Series & Shunt Regulator	CO2	PO2
2	SS	C213	Conducted a Session on Introduction to realization of Digital Filters by using Linear Differential Equations	CO2	PO1,PO2,PO5, PO9
3	ECA	C221	Conducted a Session on Active Loaded Single Stage Amplifier	CO2	PO3, PO4, PO5, PO9, PO12
4	AC	C223	Demonstration given on Applications of Pulse Systems	CO5	PO6, PSO1, PSO3
5	DC	C313	Conducted a Session on ASK, FSK, QPSK Wave Analysis Using MATLAB	CO2	PO1, PO2, PO5
6	VLSID	C322	Conducted a Session on Layout diagrams for MOS Circuits	CO2	PO3, PO5, PSO2
7	MW&OC	C411	Conducted a Session on Measurement of Different Types of Dispersion in Optical Links	CO5	PO4
8	WC	C421	Conducted a Session on Advanced 5G Technology	CO1	PO12

Table 2.1.1.9:CURRICULAR GAPS IDENTIFIED IN A.Y 2021-2022:

S.NO	Course Name	Course Code	Action Taken	CO	Relevance to POs & PSOs
1	EDC	C211	A PPT Session on Zener Diode as Voltage Regulator, Series & Shunt Regulator	CO2	PO2
2	SS	C213	Conducted a Session on Introduction to realization of Digital Filters by using Linear Differential Equations	CO2	PO1,PO2,PO5

3	ECA	C221	Conducted a Session on Active Loaded Single Stage Amplifier	CO2	PO5, PO12
4	AC	C223	Demonstration given on Applications of Pulse Systems	CO5	PO6, PSO1, PSO3
5	DC	C313	Conducted a Session on ASK, FSK, QPSK Wave Analysis Using MATLAB	CO2	PO1, PO2, PO5
6	VLSID	C322	Conducted a Session on Introduction to Low Power VLSI Design	CO5	PO1, PO3, PO5, PSO2
7	OC	C414	Conducted a Video Session on Receiver Noise calculations in digital receiver	CO5	PO1, PO2, PO5
8	SC	C422	Conducted a Session on Concept of Micro Satellites	CO5	PO10

Table 2.1.1.10: ENGINEERING SUBJECTS-LAB PRACTICES

S.No	Year/ Semester	Course	Lab Name
1	II/I	Electronic Devices and Circuits	Electronic Devices and Circuits Lab
2	II/I	Switching Theory and Logic Design	Switching Theory and Logic Design-Lab
3	II/II	Electronic Circuit Analysis	Electronic Circuit Analysis- Lab
4	II/II	Analog Communications	Analog Communications- Lab
5	II/II	Digital IC Design	Digital IC Design Lab
6	III/I	Analog ICs and Applications	Analog ICs and Applications Lab
7	III/I	Digital Communications	Digital Communications Lab
8	III/II	Microprocessor and Microcontrollers	Microprocessor and Microcontrollers -Lab
9	III/II	VLSI Design	VLSI Lab
10	III/II	Digital Signal Processing	Digital Signal Processing Lab

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

Institute Marks : 10.00

A. Steps taken to get identified gaps included in the curriculum.(e.g. letter to university/BOS) (2)

Inputs and suggestions to JNTU Kakinada regarding curriculum gaps and the possible addition of new content.

The Department consolidates all the additional contents in theory and laboratory courses and submit them to the College Academic Committee to communicate to the director, Academics and Planning, JNTU, Kakinada, and Board of Studies for their kind perusal and consideration for discussion in the exercise of upcoming regulations of curriculum and syllabus structure

Tele - Fax : 08672 - 241387

SRI VASAVI
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE · Affiliated to JNTUK · Accredited by NBA (Mech, ECE & CSE) & NAAC With 'A' Grade
An ISO 9001 : 2015 Certified Institute
NANDAMURU, Pedana Mandal, Krishna Dist. - 521 369. (A.P.)

... Empowering Minds

Ref :-   Date: 07/10/2021

Ref From:
Principal
Sri Vasavi Institute of Engineering and Technology
Nandamuru,
Pedana, Krishna District
Andhra Pradesh

To
The Registrar,
Jawaharlal Nehru Technological University,
JNTUK, Kakinada, East Godavari District.
Subject: Inclusion of additional content in the ECE curriculum to meet Program Outcomes
Respected Sir,
We are one of the engineering colleges affiliated with JNTUK, Kakinada, with college code MQ, and we noticed that the content of some courses in the curriculum corresponding to R20 regulations are not in full compliance with the Program Outcomes. The details of the non-compliance are listed below:

Course Name	Year/Sem	Code	Content Identified to Meet the Program Outcomes and Missing in the Curriculum
EDC	II-I	R2021041	Zener diode as voltage regulator, series and shunt regulator
S&S	II-I	R2021043	generation of signals and demonstrate for digital filters.
ECA	II-II	R2022041	Active loaded single stage amplifier.
AC	II-II	R2022043	Insufficient understanding of pulse system applications

We request you to advise the BoS-ECE to incorporate the above-mentioned contents and update the syllabus accordingly at the earliest.

Copy to: DAP, DE, Chairman BoS-ECE

Thanking You,
Dr. B.R.S. Reddy
Principal
Sri Vasavi Institute of
Engineering & Technology
NANDAMURU

www. sviet.edu.in

Date: 10/08/2022

Ref From:
Principal
Sri Vasavi Institute of Engineering and Technology
Nandamuru,
Pedana, Krishna District
Andhra Pradesh

To
The Registrar,
Jawaharlal Nehru Technological University,
JNTUK, Kakinada, East Godavari District.
Subject: Inclusion of additional content in the ECE curriculum to meet Program Outcomes
Respected Sir,
We are one of the engineering colleges affiliated with JNTUK, Kakinada, with college code MQ, and we noticed that the content of some courses in the curriculum corresponding to R20 regulations are not in full compliance with the Program Outcomes. The details of the non-compliance are listed below:

Course Name	Year/Sem	Code	Content Identified to Meet the Program Outcomes and Missing in the Curriculum
DC	III-I	R2031043	Observe ASK,FSK,QPSK wave analysis using MATLAB
VLSID	III-II	R2032042	Design for Testability layout diagrams in MOS circuits
OC	IV-I	R204104A	Coherent optical fiber communications
SC	IV-I	R204104D	Concept of micro satellites

We request you to advise the BoS-ECE to incorporate the above-mentioned contents and update the syllabus accordingly at the earliest.

Copy to: DAP, DE, Chairman BoS-ECE

Thanking You,
Dr. B.R.S. Reddy
Principal
Sri Vasavi Institute of
Engineering & Technology
NANDAMURU

Fig 2.1.2.1 Letters Communicated to university regarding gaps

B. Delivery details of content beyond syllabus (5)

C. Mapping of content beyond syllabus with the POs & PSOs (3)

Process to identify the gaps for attaining COs, POs, and PSOs

1. The Program Assessment Committee collects the list of curriculum gaps from the university curriculum, faculty, students, alumni, and employers, and then forwards the list of consolidated gaps/content beyond the syllabus with actions to the Department Advisory Committee and Department Committee.
2. The Department Advisory Committee will analyze the list of identified gaps/content beyond the syllabus with actions to strengthen weakly supported POs and PSOs given by the Program Assessment Committee, and it will give the suggestion to the Department Committee for further modification or approval.
3. The Department Committee will finalize the list of gaps with actions.

Additional activities conducted to strengthen the mapping:

Academic Year 2023-24

DEPARTMENT EVENTS

S.No	Event	Resource Person	Relevance to POs, PSOs

1	Guest Lecture on Integrated Circuit: 02/08/2023	Mr. S. Sreedhar Babu Assoc. Prof, VKR,VNB & AGK College of Engg. Gudiwada	PO2, PO3, PO5, PO12
2	Guest Lecture on Satellite Communications: 04/09/2023	Dr T. Sandhya, Professor, KG Reddy College of Engineering & Technology, Hyderabad.	PO2,PO3,PO12
3	Two-Day Work Shop On PCB Designing & Circuit Simulation using protous software: 18/10/2023 To 19/10/2023	Mr. C Sudhakar, Embedded system developer, SAR e-solutions, Vijayawada	PO1, PO3, PO5, PO6, PO7, PO9, PO10, PO12
4	Guest Lecture on Introduction to VLSI on IC Technology: 02/11/2023	Mr. Sampath Rayudu Adabala, Physical Design Engineer, Lemon Flip Solutions Pvt.Ltd.	PO1, PO3, PO5, PO6, PO9, P10, PO12
5	Guest Lecture on Future of ECE: 18/11/2023	Mr. Teja B, Co-Founder and Director at Siliconous Technologies Pvt Ltd.	PO6, PO10, PO12
6	Industrial Visit to Andra Pradesh MedTech Zone Ltd (AMTZ): 18/01/2024 to 22/01/2024	Mr. Nitturi Naresh Kumar, Scientist-D, Quality& Regulatory Affairs	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PO12
7	Guest Lecture on Low Power VLSI Design: 03/02/2024	Mr. K. Pradeep Application Engineer, Apply Volt, Vijayawada	PO1, PO3, PO5, PO6, PO9, PO10, PO12
8	SAMVEDA National Level Tech Fest: 03/04/2024	Mr C. Pakirraihai, Mr K. Sai Sudheer, Mr M. Suneel	PO2,PO4,PO6,PO7, PO9,PO10,PO12

NSS EVENTS

S.NO	Name of the Activity	POS
1	Buttermilk Chalivendram	PO6,PO7,PO8,PO9,PO10,PO12
2	Meri Mitti Meri Desh Program	PO6,PO7,PO8,PO9,PO10,PO12
3	Awareness Program on Ragging laws	PO6,PO7,PO8,PO9,PO10,PO12
4	Tiranga-23	PO6,PO7,PO8,PO9,PO10,PO12
5	Blood Donation Camp	PO6,PO7,PO8,PO9,PO10,PO12
6	Swatch Bharat	PO6,PO7,PO8,PO9,PO10,PO12

7	Fit India Freedom Run	PO6,PO7,PO8,PO9,PO10,PO12
8	Amrith Kalash Yatra	PO6,PO7,PO8,PO9,PO10,PO12
9	National Unity Day	PO6,PO7,PO8,PO9,PO10,PO12
10	Disha App Installation Camp	PO6,PO7,PO8,PO9,PO10,PO12
11	AIDS Day Awareness Program	PO6,PO7,PO8,PO9,PO10,PO12
12	National Youth Day	PO6,PO7,PO8,PO9,PO10,PO12
13	World Cancer Day	PO6,PO7,PO8,PO9,PO10,PO12
14	International Women's Day	PO6,PO7,PO8,PO9,PO10,PO12
15	International Yoga Day	PO6,PO7,PO8,PO9,PO10,PO12

SAC EVENTS

S.NO	Name of the Activity	POs
1	Independence Day	PO6,PO7,PO8,PO9,PO10,PO12
2	Teachers Day	PO6,PO8,PO9,PO10,PO12
3	Krishnastami	PO8,PO9,PO10,PO12
4	Freshers Day	PO8,PO9,PO10,PO12
5	Dasara Mahotsavam	PO8,PO9,PO10,PO12
6	Karthika Deepotsavam	PO8,PO9,PO10,PO12
7	Semi Christmas Celebrations	PO8,PO9,PO10,PO12
8	Sankranthi sambaralu	PO8,PO9,PO10,PO12
9	ETV Josh Programe	PO8,PO9,PO10,PO12
10	Annual Day Celebrations	PO8,PO9,PO10,PO12

TP&CG EVENTS

S.NO	Name of the event	POs Mapped
1	Training	PO8, PO9 ,PO10, PO12
2	Placement	PO8, PO9 ,PO10, PO12
3	Career Guidance	PO8, PO9 ,PO10, PO12

R&D EVENTS

S.NO	Name of the event	POs Mapped
1	Journal metrics and publication ethics	PO6,PO7,PO8,PO9,PO10,PO11,PO12
2	Workshop on Research Methodology	PO5,PO6,PO7,PO9,PO10,PO12
3	IPR for Academia & Industry startups	PO6,PO7,PO8,PO9,PO10,PO11,PO12
4	National Intellectual Property Awareness mission	PO6,PO7,PO8,PO9,PO10,PO11,PO12
5	Seminar on Research Methodology and Manuscript writing	PO6,PO7,PO8,PO9,PO10,PO11,PO12
6	Workshop on Intellectual Property Rights and patent Prosecution	PO6,PO7,PO8,PO9,PO10,PO11,PO12
7	Innovative Business Ideas	PO6,PO7,PO8,PO9,PO10,PO11,PO12
8	Seminar on Research Methodology	PO6,PO7,PO8,PO9,PO10,PO11,PO12

Add-on Courses List:

S.NO	Name of the Course	POs Mapped
1	Embedded System Design	PO1, PO3, PO5, PO6, PO9, PO10, PO12
2	Artificial intelligence using raspberry pi	PO1, PO3, PO4, PO5, PO9, PO12

2023-24

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Zener diode as voltage regulator, series and shunt regulator	A PPT session on Zener diode as voltage regulator, series and shunt regulator	30/08/2023	P.Srinivas,Assistant professor,SASI eng. College ,Tadepalligudem	89	PO2
2	Knowledge of generation of signals is to be demonstrate on realization of digital filters.	Conducted a session on introduction to realization of digital filters by using linear differential equations.	13/10/2023	K. Pradeep, Application Engineer, Apply Volt, Vijayawada	91	PO1, PO2, PO5, PO9
3	Active loaded single stage amplifier	Scheduled to conduct session on active loaded single stage amplifier.	22/02/2024	Mrs. J.S. Deepika, Associate Professor, DMS SVH CE, MTM	90	PO3, PO4, PO5, PO9, PO12
4	Insufficient understanding of pulse system applications	Demonstration given on applications of pulse systems	04/04/2024	P.Malleswari, Associate Professor, SASI eng. college	90	PO6, PSO1, PSO3
5	Observe ASK,FSK,QPSK wave analysis using MATLAB	Conduct a session on ASK,FSK,QPSK wave analysis using MATLAB	03/08/2024	Mr. T. Subhasini, Assistant Professor, GEC, Gudlavalleru	85	PO1, PO2, PO5
6	Design for Testability layout diagrams of MOS circuits	Conduct session on layout diagrams for MOS circuits	29/01/2024	S. Sreedhar Babu, Assoc. Prof, VKR, VNB & AGK College of Engg, Gudivada	90	PO3, PO5, PSO2
7	Coherent optical fiber communications	Conduct a session on coherent optical fiber communications	10/11/2023	P. Sekhar, Sr. Assistant Professor, DMS SVH College of Engineering	95	PO5
8	Concept of micro satellites	Conduct a session on Concept of micro satellites	4/09/2023	Ch. Venkateswara Rao, Assistant Professor	90	PO10

2022-23

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Zener diode as voltage regulator, series and shunt regulator	A PPT session on Zener diode as voltage regulator, series and shunt regulator	26/10/2022	A. Avinash, Associate Professor, Ramachandra College of Engineering, Eluru	89	PO2
2	Knowledge of generation of signals is to be demonstrate on realization of digital filters	Conducted a session on introduction to realization of digital filters by using linear differential equations.	15/12/2022	Mrs.L.SreeLakshmi Assistant Professor DMSSVH,MTM	95	PO1, PO2, PO5, PO9
3	Active loaded single stage amplifier.	Scheduled to conduct session on active loaded single stage amplifier.	27/11/2022	Dr. M. Srinivasulu, Professor	90	PO3, PO4, PO5, PO9, PO12
4	Insufficient understanding of pulse system applications	Demonstration given on applications of pulse systems	13/05/2023	K. Rama Rao, Assistant Professor, Andhra Loyola College, Vijayawada	95	PO6, PSO1, PSO3
5	Observe ASK,FSK,QPSK wave analysis using MATLAB	Conduct a session on ASK,FSK,QPSK wave analysis using MATLAB	23/09/2022	Mr. T. Subhasini, Assistant Professor, GEC, Gudlavalleru	90	PO1, PO2, PO5
6	Design for Testability layout diagrams of MOS circuits	Conduct session on layout diagrams for MOS circuits	07/02/2023	S. Sreedhar Babu, Assoc. Prof, VKR, VNB & AGK College of Engg, Gudivada	90	PO3, PO5, PSO2
7	Dispersion measurement	Conduct a session on measurement of dispersion optical links	27/10/2022	B. Phanindra Kumar, Assistant Professor	85	PO4
8	Advanced 5G Technology	Conduct a session on Advanced 5G technology	27/01/2023	S. Sreedhar Babu, Associate Professor, VKR, VNB & AGK College of ENG, Gudivada	90	PO12

2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Zener diode as voltage regulator, series and shunt regulator	A PPT session on Zener diode as voltage regulator, series and shunt regulator	8/12/2021	K. Bhuvaneswari, Assistant Professor, Ramachandra College of Engineering, Eluru	92	PO2
2	Knowledge of generation of signals is to be demonstrate on realization of digital filters.	Conducted a session on introduction to realization of digital filters by using linear differential equations.	2/12/2021	A. Avinash, Associate Professor, Ramachandra College of Engineering, Eluru	90	PO1, PO2, PO5, PO9
3	Active loaded single stage amplifier.	Scheduled to conduct session on active loaded single stage amplifier.	13/04/2022	Mrs. J.S. Deepika, Assistant Professor, DMSSVH CE, MTM	80	PO3, PO4, PO5, PO9, PO12
4	Insufficient understanding of pulse system applications	Demonstration given on applications of pulse systems	20/04/2022	K. Rama Rao, Assistant Professor, Andhra Loyola College, Vijayawada	85	PO6, PSO1, PSO3
5	Observe ASK,FSK,QPSK wave analysis using MATLAB	Conduct a session on ASK,FSK,QPSK wave analysis using MATLAB	06/10/2021	A.V. Srinivas Rao, Assistant Professor, SASI Engineering College, Tadepalligudem	90	PO1, PO2, PO5
6	Introduction to low power VLSI design	Conduct session on introduction to low power VLSI design	16/05/2022	N. Chandra Sekar Reddy, Assistant Professor	88	PO1, PO3, PO5, PSO2
7	Receiver Noise Calculations in Digital Receiver	Conducted a Session on Receiver Noise Calculations in Digital Receiver	22/12/2021	G. Kanaka Rao, Assistant Professor, SASI Tadepalligudem	95	PO1, PO2, PO5
8	Concept of micro satellites	Conduct a session on Concept of micro satellites	05/05/2022	Dr.T Sandhya Professor,KG reddy CET,Hyderabad	90	PO10

2.2 Teaching - Learning Processes (100)   Total Marks 100.00

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

A. Adherence to Academic Calendar (3)

The Department follows the academic calendar set by the JNTU, Kakinada. The Academic calendar consists of two semesters, even and odd. The Calendar includes the schedule of commencement of instructions, first and second internal exams, end semester theory and practical examinations. The department activities and events are scheduled well in advance before the commencement of the semester.

Department calendar with different technical events is prepared well in advance before the commencement of the academic year based on the events of university academic calendar. It consists of the activities planned, and for the semester which include commencement of classes, industrial visits, internal mid semester test dates, university exams, conduction of events like Guest Lectures, Workshops, Faculty Development Programs, etc., as shown in the Figure 2.2.1.1.

Sample JNTUK, Kakinada Academic Calendar

Figure 2.2.1.1 University Academic Calendar for the academic year 2023-24

DEPARTMENT CALENDAR

Department Academic calendar of different technical events is prepared well in advance before the commencement of the Academic Year based on the events of university academic calendar. It consists of the activities planned for the semester which include commencement of classes, industrial visits, internal mid semester test dates, university exams, conduction of events like Guest Lectures, Workshops, Faculty Development Programs etc.

Sample Department Calendar

SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Department of Electronics and Communication Engineering
Calendar of Events   2023-24   I SEM

Week No.	Month	Mon	Tue	Wed	Thu	Fri	Sat	Sun	II	III	IV	Events
1							1	2				
2		3	4	5	6	7	8					17*III-I,IV-I semester starting
3	July	10	11	12	13	14	15					29*Muharram
4		17	18	19	20	21	22			6	6	
5		24	25	26	27	28				5	5	
6		31								1	1	
7			1	2	3		5		4	4	4	2*Technical event
8		7	8	9	10	11	12		6	6	6	03*Guest Lecture
9	August	14		16	17	18	19		5	5	5	7*II-I semester starting
10		21	22	23	24	25	26		6	6	6	15*Independence day
11		28	29	30	31				4	4	4	16-19* Alumni Interaction
12					1	2			2	2	2	7*Janmashtami(Vishnva)
13		4	5	6		8	9		5	5	5	11-16 Mid-I(III,IV years)
14	September	11	12	13	14	15	16		5			23*Guest Lecture
15		18	19	20	21	22	23		6	6	6	25-30 Mid-I(II years)
16		25	26	27	28	29	30			5	5	28* Malid-un-Nabi
												25-30* Alumni Interaction
17												
18			3	4	5	6	7		5	5	5	2*Mahatma Gandhi's Birthday
19		9	10	11	12	13	14		6	6	6	11*Technical Event
20	October	16	17	18	19	20	21		6	6	6	18*Work shop
21		23	24	25	26	27	28		4	4	4	17,28*Industrial visit
22		30	31						1	1	1	
23				1	2	3	4		3	3	3	07*Guest Lecture
24		6	7	8	9	10	11		6	6	6	10*project expo
25	November	13	14	15	16	17	18		6			13-18 Mid-II(III,IV years)
26		20	21	22	23	24	25					20-25 Mid-II(II years)
27		27	28	29	30							
28						1	2					1-9* University theory exams(III,IV years)
29		4	5	6	7	8	9					11-23* University Theory
30	December	11	12	13	14	15	16					examination(II years)
31		18	19	20	21	22	23					
32		25	26	27	28	29	30					
	Total Number of Working Days								76	86	86	

YEAR	Semester Start	Last Working Day	Practical Examination	Commencement of End Semester Examination
II	8/7/2023	11/25/2023	25/11/2023 -09/12/2023	11/12/2023 -23/12/2023
III	7/17/2023	11/11/2023	20/11/2023 -25/11/2023	27/11/2023 -09/12/2023
IV	7/17/2023	11/11/2023	20/11/2023 -25/11/2023	27/11/2023 -09/12/2023

Legend:
- Public Holidays
- Exams & Practical
- Workshops /Guest Lectures/Industrial Visits
- Semester Staring /ENDINGG DAYS
- Project work
- Attendance Reviews

Head of the Department   Principal

Figure 2.2.1.2 Department Academic Calendar for the academic year 2023-24 Sem-I

The Program Educational Objectives (PEO's) are established to guide the Programme and prepare the graduates to achieve career and professional accomplishments. The PEO's are further transformed into specific student performance and behaviors that demonstrate student learning and skill development as Program Outcomes (PO's). Program Outcomes (PO's) are clearly and unambiguously defined. As our college is affiliated to JNTU, Kakinada, we follow the curriculum prescribed by JNTUK, Kakinada.

All courses have their own course outcomes. Each course outcome is mapped to relevant PO's and PSO's. Achieving course outcomes is the direct way of accomplishing program outcomes. In this context, the teaching-learning process and assessment methods are implemented in such a way to achieve the CO's.

Teaching-Learning process is crucial part of outcome-based education and implements/employs as the set of activities engaging with students to enable them to acquire the knowledge, skills and attitudes. Student-centered and practical oriented lectures, tutorials, collaborative learning, independent learning, peer teaching approaches with integration of appropriate teaching aids, and teaching materials are the educational strategies selected to support the learning outcomes.

Time table coordinator prepares time tables well in advance. HoD conducts meetings before commencement of the semester for course allotment. Head also requests Principal for allotting faculty to inter disciplinary courses.

Department calendar of events is prepared well in advance before the commencement of the academic year by conducting faculty meetings. The suggestions made by Department Advisory Committee (DAC) are taken into consideration.

The faculty members of department adopt various teaching methods. Faculty members handling laboratory courses will prepare list of experiments to be conducted and laboratory manuals well in advance. Laboratory schedule and student batch division are prepared with reference to finalized timetable. The batch strength is limited to three.

Course allotment is done well in advance for the staff members; therefore, they prepare lesson plans, lecture notes, tutorials, assignments and course files well in advance.

SAMPLE TIMETABLE

Figure 2.2.1.3 Department Time Table for IV B.TECH Sem – I of academic year 2023-24

For each course, a course file is prepared by the faculty members concerned. The course file consists of following items shown in the below table

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Contents of the Course File

1. NPTEL Certificates if any
2. Result analysis Comparison
3. Result analysis past year (SEM)
4. PO attainment
5. Course assessment
6. Result analysis present year (SEM)
7. Current semester end question paper analysis (CO-TL)
8. Current semester end question paper (Original)
9. University exam circular and time table
10. Assignment analysis (CO-TL)
11. Feedback Phase 2
12. Weak Learners marks tracking
13. Marks MID 2 (Descriptive + Quiz + Assignment = Total)
14. MID 2 Question paper Solutions
15. MID 2 Scheme of evaluation
16. MID 2 Question paper analysis (CO-TL)
17. MID 2 Question paper
18. MID 2 Circular (Theory + online)
19. Guest lecture related proof (Material)
20. Guest lecture certificate
21. Guest lecture circular
22. Guest lecture invitation
23. Feedback Phase 1
24. Marks MID 1 (Descriptive + Quiz + Assignment= Total)
25. MID 1 Question paper Solutions
26. MID 1 Scheme of evaluation
27. MID 1 Question paper analysis (CO-TL)
28. MID 1 Question paper
29. MID 1 Circular (Theory + online)
30. Previous year question papers
31. Previous year question paper analysis (CO-TL)
32. Lecture Notes (Notes, Notes uploaded in LMS, CO uploaded in LMS)
33. Questions and solutions for tutorials
34. Topic beyond syllabus
35. List of advance learners
36. Tutorial lesson plan for advance learners
37. List of weak learners
38. Tutorial lesson plan for weak learners

39. Self learning resources
40. List of PPTs
41. Web references
42. Proofs related to lesson plan
43. Curriculum Gap
44. Lesson plan
45. CO-PO-PSO mapping and justification
46. Syllabus
47. Individual time table
48. Class time table
49. Department calendar
50. Academic calendar
51. PSOs and PEOs
52. POs
53. Department Vision & Mission
54. Institute Vision & Mission

Figure 2.2.1.4 Contents for Course File

Impact analysis

- A coherent framework was provided for smooth and efficient teaching so course contents are effectively delivered in stipulated time. By preplanning of academic calendar, students could plan their academics and utilize the resources properly.
- More number of students efficiently utilized the inter-college and inter-departmental events like Cultural events, Guest lectures, Workshops, Field visits, etc.
- Students effectively planned about industry interactions in vacation. So, the number of students participated in summer training increased.

B. Use of various instructional methods and pedagogical initiatives (3)

Improving Instruction Methods Using Pedagogical Initiatives

    The Head of the department conducts meeting with all the faculty members to discuss the various teaching learning methods before each semester. He discusses about how to initiate different teaching methods to create the best learning environment for students. Subject experts, domain coordinators give their suggestions and discuss different innovative techniques. Finally, after discussion faculty members adopt various innovative teaching & learning methodologies based on available facilities in campus and planned events.Well-structured lesson plans, lecture notes, tutorial questions with key are prepared and revised for all theory and practical courses on a period-to-period basis and are scrutinized by HoD.The following facilities and Teaching aids are available in the campus for delivering lectures: In every class room, Projector with Wi-Fi facility are used for teaching purpose.

1. Internet facility and different reference books are available to students and faculty in the library.
2. Faculty members are taking advantage of sources like National Programme on Technology Enhanced Learning (NPTEL), Internet sources for effective teaching. Chalk and Talk, LCDs, etc. are used for teaching purposes. Various journals are available in the campus and they are utilized for research & project-based learning.

Sample Lesson Plan

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved By AICTE, New Delhi & Affiliated to JNTUK, Kakinada
Accredited by NAAC, NBA(CSE, ECE & ME)
AN AUTONOMOUS INSTITUTE
...Empowering minds

Department of Electronics and Communication Engineering
LESSON PLAN

Subject: VLSI DESIGN(C322)ECE-A   A. Y:2024–25
III B.Tech – ii Sem (R20)

Session No	Topics to be covered	Date	Ref	Teaching Method
UNIT I: INTRODUCTION AND BASIC ELECTRICAL PROPERTIES OF MOS CIRCUITS:				
1.1	VLSI Design Flow	02-12-2024	T1,R1	Talk &Cha
1.2	Introduction to IC technology	03-12-2024	T1,R1	Talk &Cha
1.3	Fabrication process: NMOS	04-12-2024	T1,R1	Animated Lectures
1.4	Fabrication process :pMOS and CMOS.	07-12-2024	T1,R1	Animated Lectures
1.5	Ids versus Vds Relationships	09-12-2024	T1,R1	Talk &Cha
1.6	Aspects of MOS transistor Threshold Voltage	10-12-2024	T1,R1	Talk &Cha
1.7	MOS transistor Trans	11-12-2024	T1,R1	Talk &Cha
1.8	Output Conductance and Figure of Merit	14-12-2024	T1,R1	Talk &Cha
1.9	NMOS Inverter	16-12-2024	T1,R1	Talk &Cha
1.9	Pull-up to Pull-down Ratio for nMOS inverter driven by another nMOSinverter and through one or more pass transistors	17-12-2024	T1,R1	Google Cla Room
1.10	Alternative forms of pull-up	18-12-2024	T1,R1	Talk &Cha
1.11	The CMOS Inverter	18-12-2024	T1,R1	Talk &Cha
1.12	Latch-up in CMOS circuits	21-12-2024	T1,R1	Talk &Cha
1.13	Bi-CMOS Inverter	21-12-2024	T1,R1	Talk &Cha
1.14	Comparison between CMOS and Bi CMOS technology	23-12-2024	T1,R1	Talk &Cha
1.15	MOS Layers	28-12-2024	T1,R1	Animated Lectures
1.16	Stick Diagrams	28-12-2024	T1,R1	Animated Lectures
1.17	Design Rules and Layout	30-12-2024	T1,R1	Animated Lectures
1.18	Layout Diagrams for MOS circuits	30-12-2024	T1,R1	Talk&Chal ,Seminar

Session No	Topics to be covered	Date	Ref	Teaching Method
UNIT II: BASIC CIRCUIT CONCEPTS				
2.1	Sheet Resistance	04-01-2025	T1,R1	Talk &chal NPTEL vid
2.1	Sheet Resistance concept applied to MOS transistors and Inverters	04-01-2025	T1,R1	Talk &chal
2.2	Area Capacitance of Layers	06-01-2025	T1,R1	
2.2	Standard unit of capacitance	06-01-2025	T1,R1	Talk Chalk Differentia
2.3	some area Capacitance Calculations	07-01-2025	T1,R1	
2.4	The Delay Unit	07-01-2025	T1,R1	Talk &Cha
2.4	Inverter Delays	08-01-2025	T1,R1	Google Room
2.5	driving large capacitive loads	08-01-2025	T1,R1	PPT
2.5	Propagation Delays	11-01-2025	T1,R1	PPT
2.6	Wiring Capacitances, Choice of layers.	11-01-2025	T1,R1	PPT
2.7	SCALING OF MOS CIRCUITS:Scaling models and scaling factors,	13-01-2025	T1,R1	Talk &Cha ,Google Sh
2.8	Scaling factors for device parameters	13-01-2025	T1,R1	Talk &Cha PPT
2.9	Limitations of scaling	20-01-2025	T1,R1	Talk &Cha Quiz
2.10	Limits due to sub threshold currents	20-01-2025	T1,R1	PPT
2.11	Limits on logic levels and supply voltage due to noise and current density	21-01-2025	T1,R1	Talk &Cha
2.12	Switch logic, Gate logic	21-01-2025	T1,R1	PPT

Session No	Topics to be covered	Date	Ref	Teaching Method
UNIT III: BASIC BUILDING BLOCKS OF ANALOG IC DESIGN:				
3.1	Regions of operation of MOSFET	22-01-2025	T2,R2	Talk & Chal ,Seminar
3.2	Modeling of transistor	22-01-2025	T2,R2	Talk & Chal
3.3	body bias effect, biasing styles	25-01-2025	T2,R2	Talk & Chal
3.4	single stage amplifier with resistive load,	25-01-2025	T2,R2	Talk & Chal
3.5	single stage amplifier with diode connected load	01-02-2025	T2,R2	Talk & Chal
3.6	Common Source amplifier	03-02-2025	T2,R2	,Flipped Classroom
3.7	Common Drain amplifier	04-02-2025	T2,R2	Quiz
3.8	Common Gate amplifier, current sources and sinks	05-02-2025	T2,R2	Google Clas Room

Session No.	Topics to be covered	Date	Ref	Teaching Method
UNIT IV: CMOS Combinational And Sequential Logic Circuit Design				
4.1	Static Cmos Design Complementary CMOS	05-02-2025	T3, R3	Talk & Chalk
4.2	Rationed Logic	08-02-2025	T3, R3	Talk & Chalk
4.3	Pass-Transistor Logic	10-02-2025	T3, R3	Talk & Chalk Differentiation
4.4	Dynamic CMOS Design Dynamic Logic Basic Principles	11-02-2025	T3, R3	Talk & Chalk
4.5	Speed and Power Dissipation of Dynamic Logic	12-02-2025	T3, R3	Talk & Chalk
4.6	Issues in Dynamic Design, Cascading Dynamic Gates	15-02-2025	T3, R3	Talk & Chalk Differentiation
4.7	Choosing a Logic Style	17-02-2025	T3, R3	Talk & Chalk
4.8	Gate Design in the Ultra Deep-Submicron Era,	18-02-2025	T3, R3	Talk & Chalk
4.9	Latch Versus Register	19-02-2025	T3, R3	Talk & Chalk, Flipped Classroom
4.10	Latch based design, timing destination	22-02-2025	T3, R3	Google Class Room
4.11	positive feedback, in stability	24-02-2025	T3, R3	Talk &Chalk
4.12	Meta stability	25-02-2025	T3, R3	Talk &Chalk
4.13	multiplexer based latches	01-03-2025	T3, R3	Talk & Chalk Google docs
4.14	Master-Slave Based Edge Triggered Register	03-03-2025	T3, R3	Talk &Chalk
4.15	clock to q delay	04-03-2025	T3, R3	Talk & Chalk Differentiation
4.16	setup time, hold time	05-03-2025	T3, R3	Talk & Chalk
4.17	reduced clock load master slave register	08-03-2025	T3, R3	Talk & Chalk
4.18	Clocked CMOS register	10-03-2025	T3, R3	Talk & Chalk
4.19	Cross coupled NAND and NOR	11-03-2025	T3, R3	Talk &Chalk
4.20	SR Master Slave register	12-03-2025	T3, R3	Talk &Chalk
4.21	Storage mechanism, pipelining	13-03-2025	T3, R3	Talk & Chalk

Session No	Topics to be covered	Date	Ref	Teaching Method
UNIT V: FPGA DESIGN: FPGA design flow				
5.1	Basic FPGA architecture	20-03-2025	T2,R3	Talk &Chalk
5.2	FPGA Technologies	21-03-2025	T2,R3	Talk &Chalk
5.3	Introduction to FPGA Families.	22-03-2025	T2,R3	Talk &Chalk
5.4	Introductiontoadvancedtechnologies: Giga-scale dilemma	22-03-2025	T2,R3	Talk &Chalk
5.5	Short channel effects	24-03-2025	T2,R3	Talk &Chalk, Seminar
5.6	High-k, Metal Gate Technology,	27-03-2025	T2,R3	Google Class Room
5.7	Fin-FET,	28-03-2025	T2,R3	PPT
5.8	TFET.	29-03-2025	T2,R3	Talk &Chalk

TEXT BOOKS:
T1.Essentials of VLSI Circuits and Systems – Kamran Eshraghian, Douglas and A.Pucknell and Sholeh Eshraghian, Prentice-Hall of India Private Limited, 2005 Edition.
T2.Design of Analog CMOS Integrated Circuits by Behzad Razavi, McGraw Hill, 2003
T3:Digital Integrated Circuits, Jan M.Rabaey, AnanthaChandrakasan and Borivoje Nikolic, 2nd edition, 2016.
REFERENCES:
R1."Introduction to VLSI Circuits and Systems", John P.Uyemura, John Wiley&Sons, reprint 2009.
R2.Integrated Nano electronics: Nano scale CMOS, Post-CMOS and Allied Nano technologies Vinod Kumar Khanna, Springer India, 1stedition, 2016.
R3.Fin-FETs and other multi-gate transistors, Colinge JP, Editor NewYork, Springer, 2008.
Seminar Topics: Introduction to Regions of operation of MOSFET.
Quiz Topics:1. Limitations of scaling
TEACHING METHODOLOGIES
1. Talk&Chalk
2. Animated Lectures
3. Power Point Presentations
4. Differentiation
5. Seminar
6. NPTEL videos
7. Quiz
8. Google Classroom
9. Google Sheet
10. Google docs
11. Flipped Classroom

Faculty   HoD   Principal

Figure 2.2.1.5 Lesson Plan for of III Year II Semester for academic year 2024 – 25

The Head of the department conducts meeting with all the faculty members to discuss the various teaching learning methods before each semester. He discusses about how to initiate different teaching methods to create the best learning environment for students. Subject experts, domain coordinators give their suggestions and discuss different innovative techniques. Finally, after discussion faculty members adopt various innovative teaching &learning methodologies based on available facilities in campus and planned events. Well-structured Lesson plans, Lecture notes, Tutorial questions with key are prepared and revised for all theory and practical courses on a period-to-period basis and are scrutinized by HoD

In every classroom, Chalk Board, LCDs, etc. are used for teaching purposes. Faculty members are taking advantage of sources like National Programme on Technology Enhanced Learning (NPTEL), Internet sources for effective teaching. Internet facility and different reference books are available to students and faculty in the library. In every class room LCD projector with WIFI facility are used forteaching purpose. Various journals are available in the campus for delivering lectures: &project-based learning.

Table 2.2.1.1: List of various instructional methods and pedagogical initiatives adopted

S.No.	Teaching Aid/Methodology
T1	Talk & Chalk
T2	PPT
T3	Visualization
T4	Co-operative learning
T5	Enquiry based instruction
T6	Differentiation
T7	Technology
T8	Behavior management

T9	Professional development
T10	Virtual lab
T11	Seminars
T12	Brain storming
T13	Buzz group
T14	Animated lecturers
T15	Pictorial sessions
T16	Debate sessions
T17	Quiz
T18	OHP
T19	Role play
T20	Survey based assessment
T21	NPTEL Videos
T22	Google classroom
T23	Google documents
T24	Discussion
T25	Flipped Classroom
T26	Google sheet

Table 2.2.1.2: List of various instructional methods and pedagogical initiatives adopted

ACADEMIC YEAR:2024-25   I-SEMESTER

S.No	Course name	Teaching Methodology																									
		T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26
1	PTSP (C211)	Y	Y			Y						Y			Y			Y				Y	Y	Y	Y	Y	
2	UHV (C212)	Y	Y									Y						Y				Y			Y		
3	S&S (C213)	Y				Y						Y						Y				Y					
4	EDC (C214)	Y				Y																Y	Y	Y		Y	Y
5	STLD (C215)	Y	Y									Y										Y					
6	AICA (C311)	Y	Y			Y						Y						Y				Y	Y		Y		
7	EMWTL(C312)	Y	Y			Y						Y						Y				Y	Y		Y		
8	DC (C313)	Y	Y									Y						Y				Y			Y		
9	COA (C314)	Y	Y		Y		Y			Y		Y				Y	Y					Y			Y		
10	EMI (C315)	Y	Y			Y						Y						Y				Y					
11	OC (C411)	Y	Y			Y			Y	Y				Y				Y				Y	Y		Y	Y	
12	SC (C412)	Y	Y				Y	Y					Y	Y	Y			Y				Y			Y		

S.No	Course	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26
13	RE (C413)	Y	Y		Y							Y						Y				Y					
14	IOT (C414)	Y	Y									Y										Y			Y		
15	CNS (C415)	Y	Y									Y						Y				Y					
16	UHV (C416)	Y	Y									Y						Y				Y					
	TOTAL	14	12	0	1	0	8	2	1	0	2	12	0	1	3	1	1	11	0	0	0	14	5	2	9	3	1

ACADEMIC YEAR: 2024-25   II- SEMESTER

Table2.2.1.3: List of Various Instructional Methods and Pedagogical Initiatives Adopted in Academic Year: 2024-25 (Semester-II)

S.No	course name	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26
1	MEFA (C221)	Y	Y									Y						Y				Y					
2	LCS (C222)	Y	Y				Y					Y						Y				Y	Y		Y		
3	EMWTL (C223)	Y	Y		Y		Y				Y	Y	Y		Y			Y				Y		Y	Y	Y	
4	ECA (C224)	Y	Y				Y					Y						Y				Y					
5	AC (C225)	Y	Y				Y					Y						Y				Y					
6	MPMC(C321)	Y	Y	Y				Y				Y						Y				Y			Y		
7	VLSID(C322)	Y					Y								Y							Y	Y		Y		
8	DSP (C323)	Y	Y									Y						Y				Y					
9	ES (C324)	Y	Y									Y						Y				Y			Y		
10	CN (C325)	Y	Y									Y			Y	Y	Y	Y				Y			Y		
	TOTAL	10	9	1	1	0	5	1	0	0	1	9	1	0	3	1	1	9	0	0	0	10	2	1	6	1	0

C. Methodologies to support weak students and encourage bright students(4)

Under the HoD's directions, class in-charges, counselors, and course faculty members identify those students who fall under the weak/Sloiw Learner students' category as per the below process. Course faculty members conduct remedial classes for weak/Slow students. At that time, they solve previous university examination question papers. Each course faculty member identifies the performance of weak/Slow students after the completion of internal examinations and also takes corrective actions like conducting revision classes and slip tests for weak/Slow students.

The process of identifying and encouraging weak and bright students is shown below:
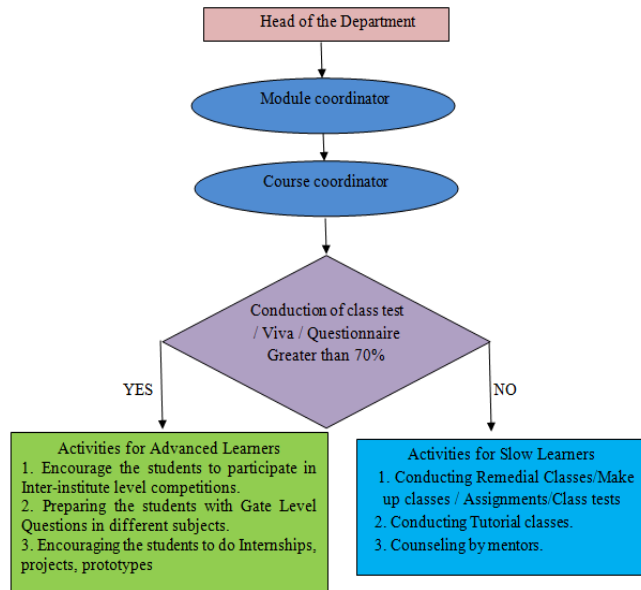
Figure 2.2.1.6 Process to identify the weak and bright students and action taken

Sample Remedial Class Time-Table:
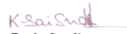
SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)
DEPARTMENT OF ELECTRONCIS AND COMMUNICAITON ENGINEERING
A.Y: 2023 – 24
REMEDIAL CLASS TIME TABLE

CLASS: III B. TECH E.C.E A & B   SEM: II SEM   LH: B1 – 005

Dates: 22/02/2024 to 27/04/2024

TIME / DAY	4:30 PM TO 5:30 PM
MON	MPMC
TUE	VLSI
WED	DSP
THU	ES
FRI	CN

Course Code	Course Name	Name of the Faculty
C321	MPMC- Microprocessor and Microcontrollers	Mrs. P. Jyothi
C322	VLSID- VLSI Design	Mr. D Sridhar
C323	DSP- Digital Signal Processing	Mr. K Sai Sudheer
C324	ES- Embedded Systems (PE2)	Mr. M. Sivaji
C325	CN- Computer Networks (OE2)	Mr. M. Suneel

Faculty Coordinator   Head of the Department

Figure 2.2.1.7 Sample Remedial Class Time-Table

Table 2.2.1.4 Impact of Encouraging Weak/Slow Learners

S.NO.	REG.NO.	MID-I	MID-II	MARKS IMPROVED
1	20MQ1A0401	14	14	0
2	20MQ1A0402	19	14	-5

3	20MQ1A0403	15	14	-1
4	20MQ1A0404	16	18	2
5	20MQ1A0405	19	22	3
6	20MQ1A0411	21	14	-7
7	20MQ1A0412	21	24	3
8	20MQ1A0414	19	22	3
9	20MQ1A0416	20	13	-7
10	20MQ1A0419	18	15	-3
11	20MQ1A0421	13	17	4
12	20MQ1A0423	13	13	0
13	20MQ1A0427	18	16	-2
14	20MQ1A0429	10	19	9
15	20MQ1A0430	15	19	4
16	20MQ1A0433	17	18	1
17	20MQ1A0434	9	15	6
18	20MQ1A0437	6	15	9
19	20MQ1A0439	18	21	3
20	20MQ1A0442	17	15	-2
21	20MQ1A0443	16	22	6
22	20MQ1A0444	18	22	4
23	20MQ1A0445	21	19	-2
24	20MQ1A0446	10	15	5
25	20MQ1A0447	15	17	2
26	20MQ1A0449	17	20	3
27	20MQ1A0450	15	16	1
28	20MQ1A0451	13	12	-1
29	21MQ5A0405	20	19	-1
30	21MQ5A0406	12	13	1
31	21MQ5A0407	18	24	6
32	20MQ1A0457	17	19	2
33	20MQ1A0459	17	16	-1
34	20MQ1A0462	13	15	2
35	20MQ1A0463	23	23	0
36	20MQ1A0469	16	17	1
37	20MQ1A0472	25	13	-12

38	20MQ1A0473	24	13	-11
39	20MQ1A0474	20	16	-4
40	20MQ1A0475	18	8	-10
41	20MQ1A0476	19	7	-12
42	20MQ1A0477	19	10	-9
43	20MQ1A0479	0	0	0
44	20MQ1A0481	17	13	-4
45	20MQ1A0482	24	13	-11
46	20MQ1A0483	17	9	-8
47	20MQ1A0484	17	10	-7
48	20MQ1A0485	10	10	0
49	20MQ1A0486	19	8	-11
50	20MQ1A0487	14	9	-5
51	20MQ1A0488	14	20	6
52	20MQ1A0489	14	18	4
53	20MQ1A0490	11	19	8
54	20MQ1A0491	13	19	6
55	20MQ1A0492	15	19	4
56	20MQ1A0493	12	18	6
57	20MQ1A0494	14	17	3
58	20MQ1A0495	14	5	-9
59	20MQ1A0496	18	21	3
60	20MQ1A0497	12	19	7
61	20MQ1A0498	11	18	7
62	20MQ1A0499	14	15	1
63	20MQ1A04A1	16	18	2
64	20MQ1A04A3	14	21	7
65	20MQ1A04A4	18	19	1
66	21MQ5A0416	17	21	4
67	21MQ5A0417	13	15	2
68	21MQ5A0418	14	21	7

Impact analysis

Positive outcomes were observed after adopting the innovative Teaching & Learning Methods.

They are:

1. Improved faculty feedback in various courses
2. Improved attendance of students from starting of the semester to within a week time.
3. Active participation of students in outcome-based education activities.
4. Better relation between students and faculty towards research.

Identifying and Assisting Slow Learners:

1. In this scenario, the weak students are identified with the help of previous semester end examination results. Those students are taken care by conducting remedial classes in the current semester to improve their performance
2. Attempts are made by the teachers to give personal attention to these students Specially developed Handouts, question banks and assignments are given
3. These slow learners are made to mingle with bright students to work in a team for collaborative learning to gain knowledge and get aware of the concern subjects
4. Mentors are allotted for a group of students for continuous monitoring of their performance
5. A special counseling and tutorial classes are conducted by the faculty for those students who failed in any courses

S.No	Category of Students	Action taken
1	Students who fail in semester exams	1. Student counselor follows their progress regularly advising students about attending classes, making up classes missed and getting additional help. 2. Intimating parents to counsel their wards 3. Conduction of remedial classes
2	Students scoring less than 60% of marks in Internal Assessment	4. Conduction of remedial classes 5. Solving previous question papers during tutorial classes.
3	Diploma students who entered with less basics of mathematics	

STUDENT DATA SHEET

1. Student Reg. No. : ..... 21M61A0158 ....
2. Name of the Student : .. R.Nagamani ....
3. Branch: .... E.E .... Section: ...... G .... Quota: Convenor / Management
4. Sex: Male / Female   Date of Birth : ... 18/3/2004 .... Blood Group: ....
5. RH Category : .... Aadhaar Number: .. 2212 0767 6399 .....
6. Father's Name : .. R.Nagaraju ....
7. Mother's Name : .. R.Gayathri ....
8. Occupation of Father : ...... Daily Worker ....
9. Occupation of Mother : ...... Daily Worker ....
10. Guardian Name (if any) : ... R.Nagaraju ....
11. Percentage of Marks
    a) 10th class : ... 8.7 ....
    b) IPE / Diploma : .... 60% ....
12. EAMCET/ECET Rank : .. 71256 ....
13. Contact Address : .. 9/8-468 gadugupet ....
       ...... Machilipatnam ....
14. Permanent Address : .. 9/8-468 gadugupet ....
       ...... Machilipatnam ....
15. Father Mobile No. : .. 9248281124 ....
16. Mother Mobile No. : .. 9892803543 ....
17. Guardian Mobile No. : .. 9618112457 ....
18. Student Mobile No. : .. 9390952160 ....
19. Email Id of Father (or) Mother : .. nagamanivulapati551@gmail.com
20. Email Id of Student : ....

Recent Photograph of Guardian

Declaration:
The above mentioned information is true to the best of our knowledge, and if any change in address (or) mobile numbers, we will bring it to the notice of Institute authorities immediately

R.Nagamani	R.Nagaraju	R.ఎౌ68	R nagaraju
Signature of the student	Signature of the Father	Signature of the Mother	Signature of the Guardian

Record of **VI Sem** of the Academic Year: 2023-24 (3rd year 2nd sem)

Details of Academic Performance

Subject Name	MPR	VLSI	DSP	ES	CN	Mene Lab	VLSI Lab	DSP Lab	MPR LAB	Total
Credits										
% of attendance up to the month Jan.	66.67	66.69	70.59	78.57	76.92	75.00	33.33	100	66.69	70.0
% of attendance up to the month Feb.	85.71	87.50	92.31	100	92.86	100%	66.69	100	100%	91.6
% of attendance up to the month Mar.	92.3	83.53	89.48	100	100	100	88.89	100	100	94.1
% of attendance up to the month										
Assignment I	5	5	5	5	5					
Assignment II	5	5	5	5	5					
Mid I	15	14	9	12	15	.				65
Mid II	15	16	14	13	15	15	15	15		
Final Internal Marks	27	27	26	25	27	15	15	15		
End Semester Grade	A	A	A	A	A	A+	A+	A	A	

Backlog Courses Information:

Subject Name				
Internal Marks				
End Semester Marks				

Supplementary Details

Subject Name			CGPA
Supply 1 (MM- YY)			
Grade / External Marks			
Supply 2 (MM- YY)			
Grade / External Marks			
Supply 3 (MM- YY)			
Grade / External Marks			
Supply 4 (MM- YY)			
Grade / External Marks			
Supply 5 (MM- YY)			
Grade / External Marks			
Supply 6 (MM- YY)			
Grade / External Marks			
Supply 7 (MM- YY)			
Grade / External Marks			
Supply 8 (MM- YY)			
Grade / External Marks			

Overall Performance up to this Semester

Total Credits : 21.5	SGPA : 9.00	No. of Backlogs : —
Mentor Remarks about Attendance & Marks :	CGPA : 7.41	HoD Remarks :
Attendance Improved & SGPA also Improved Compared to previous Semester		SGPA has improved

Figure 2.2.1.8 Sample Mentoring Book

Sample Attendance Monitoring of the Student **R Nagamani (Redg. Number: 21MQ1A0458)**

for Academic Year 2023-24 Semester-II (III-II)

S.No.	Name of the Subject (Theory/Lab)	Monthly Attendance %			Impact
		Jan. 24	Feb.24	Mar.24	

1.	MPMC	66.67	85.71	92.31	
2.	VLSID	66.67	87.5	83.33	
3.	DSP	70.59	92.31	89.47	
4.	ES	78.57	100	100	
5.	CN	76.92	92.86	100	Attendance
6.	MPMC LAB	75	100	100	improved
7.	VLSID LAB	33.33	66.67	88.89	
8.	DSP LAB	100	100	100	
9.	ARM LAB	66.67	100	100	
10.	TOTAL	70	91	94	

D. Quality of classroom teaching (Observation in a Class) (3)

The classes were conducted as per the prescribed timetable with the help of various instructional methods and pedagogical initiatives.

1. Proto type/ Components are used to demonstrate the technical concepts.
2. Guest Lectures by industrial & academic experts are conducted to get aware of the latest technology
3. Lectures are delivered by using PowerPoint presentations for effective delivery.
4. Students are encouraged to present seminars in the classrooms and students are encouraged to Participate in various technical events conducted by other institutes.Class in-charge takes the absentees report of their respective class.
5. He/ She maintains class time table, lesson plans, tutorial questions, assignment questions
6. Class in-charge is allocated to every section. Coverage of the syllabus content is observed at every fifteen days by HOD and also review is conducted by Principal twice in a month
7. Meanwhile Dean Academics and Principal will regularly check the class room activity and give suggestions whenever required. Class in charge and HOD monitor the classes regularly for smooth running of pre-planned schedule
8. The parent's correspondence reports along with the comments of parents are submitted to the HoD and Dean academics once in a week.
9. Parent communication letters are posted to parents of those students who are having less than 65% attendance once in a month. Every 15 days the attendance is circulated and signatures are taken from students
10. Communicate parents of students who are absent to the classes regularly through telephonic conversations.

Figure 2.2.1.9: Samples of Classroom teaching

E. Conduct of experiments (Observation in Lab) (3)

Conduct of Experiments:

1. All the laboratories in the department are maintained neatly, with equipment in good working condition. Also, proper care is taken regarding safety and protection in the laboratory.
2. Students should report to the respective lab as per the schedule.
3. The batch-wise division made in the beginning should be adhered to, and no mix-up of students among different groups will be permitted later. Students are required to prepare thoroughly to perform the experiment before coming to the laboratory.
4. Each batch will get the equipment by submitting the indent to the lab assistant and conducting the experiment.
5. After connections are completed, students need to get them verified by the staff in charge, and then only the supply has to be turned on. Students have to conduct the experiment by following the procedure mentioned in the observation and recording the readings.
6. When the experiment is completed, students should disconnect the setup they made and return all the components and instruments taken for the purpose. Any damage to the equipment or burn-out of components due to the negligence of the student will result in a penalty being awarded.
7. After completion of the experiment, the student should get the observation book corrected by the staff in charge of that lab.
8. The record of observations along with the detailed experimental procedure of the experiment performed in the immediate last session should be submitted.
9. The curriculum stipulates 2 or more laboratory courses per semester from 1st to 7th.
10. Students carry out more than the required number of experiments, beyond the minimum specified by the university. All laboratories have excellent facilities with the required equipment.
11. For the experiments, detailed instruction manuals are provided.
12. The observations are checked and verified by faculty, and record books are maintained. Course faculty members and one instructor or technical staff member are assigned for each practical class.
13. Additional lab facilities are available beyond working hours.
14. We provide 2 additional experiments for some laboratory. Those who are interested can utilise the facilities during additional lab facility time.

Table 2.2.1.5 ENGINEERING SUBJECTS-LAB PRACTICES

S.No	Year/ Semester	Course	Lab Name
1	II/I	Electronic Devices and Circuits	Electronic Devices and Circuits Lab
2	II/I	Switching Theory and Logic Design	Switching Theory and Logic Design-Lab

3	II/II	Electronic Circuit Analysis	Electronic Circuit Analysis- Lab
4	II/II	Analog Communications	Analog Communications- Lab
5	II/II	Digital IC Design	Digital IC Design Lab
6	III/I	Analog ICs and Applications	Analog ICs and Applications Lab
7	III/I	Digital Communications	Digital Communications Lab
8	III/II	Microprocessor and Microcontrollers	Microprocessor and Microcontrollers -Lab
9	III/II	VLSI Design	VLSI Lab
10	III/II	Digital Signal Processing	Digital Signal Processing Lab

Lab manuals and cycle of experiments are prepared before the beginning of the semester. Minimum of 2 faculties are allotted for each lab so that they can explain the experiments to the students. Students have to maintain an observation book in which students have to write the details of the experiment and also record the experimental values. Observations are corrected on the same day and once it is corrected, they have to write the fair record and which will be corrected in the next lab.

Continuous evaluation is followed in labs. The faculty will record the observation marks and attendance of the students on day to day basis. A practical test is conducted along with viva at the end of the semester. The internal marks will be awarded considering the marks obtained by students in continuous evaluation, fair record and test.

F. Continuous Assessment in the laboratory (3)

1. A continuous assessment system is also implemented for the assessment of laboratory work.
2. The assessment is done on the basis of the submission of laboratory records, understanding of the experiment through participation in performing the experiment, and viva voce.
3. In every lab session, faculty update student record marks in the teacher 's attendance register. For practical subjects, there will be continuous evaluation during the semester for 30 internal marks and 50 end examination marks as per JNTUK R16 Regulations. For practical subjects, there will be continuous evaluation during the semester for 20 internal marks and 30 end examination marks as per JNTUK R19 Regulations. For practical subjects, there will be continuous evaluation during the semester for 15 internal marks and 35 end examination marks as per JNTUK R20 Regulations.

SAMPLE MARKS ALLOCATION

Figure 2.2.1.10 Continuous Evaluation in laboratory

Fig 2.2.1.11: Sample laboratory Record evaluation copy of AICA Lab

Impact analysis:

1. New view points and new project ideas are derived in the lab.
2. Improvement in the analytical abilities of students thus improves placement.
3. The stimulating environment created in laboratories is based on additional lab facilities, additional experiments, and mini-projects. It made students learn other technical aspects aside from the curriculum.
4. Good results in the laboratory examination.

G. Student feedback of teaching learning process and actions taken (6)

Student feedback of teaching learning process and actions taken:

The teaching & learning system followed by any educational institution needs continuous refinement. To capacitate the process of continuous refinement, the institution has adopted a feedback system that takes suggestions from students of each program.

This eventually helps to fine tune the teaching &collecting feedback for all the courses that are being taught twice in a semester, through the ECAP (Engineering College Automation Package) learning process and the curriculum. The Institution follows a well-defined and formal feedback system. Feedback system has been identified as one of the important processes in our Quality Management System. Feedback collection process: software.

The consolidated report containing grades for each faculty is sent to the respective Head of the Department and the information is circulated to the faculty of the department for necessary action.

Once the feedback collection process is completed, the reports are generated automatically.

·**Process Chart Steps for Student's Feedback**

```mermaid
flowchart TD
    A([Student Login to ECAP with their own user ID and Password]) --> B[Student feedback system]
    B --> C[Select Faculty Name]
    C --> D[Read the Questionnaire]
    D --> E[Student will select any one of the level corresponding each parameter]
    E --> F([Logout])
```
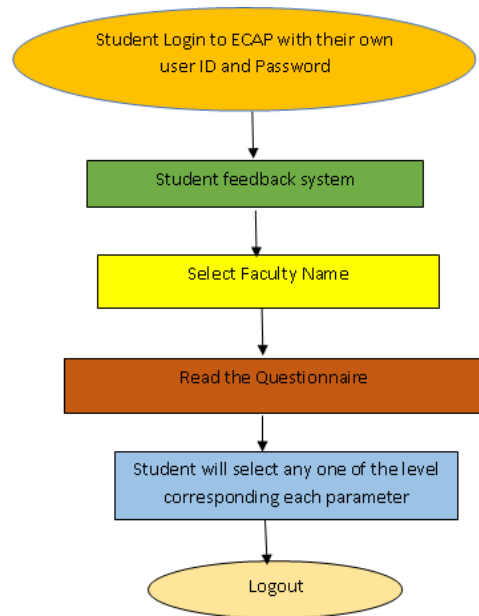
Figure 2.2.1.12 Process of feedback

1. Feedback is taken through online from each student.

2. Based on following questions, feedback percentages are taken for each subject from each student

   a. Does the teacher come prepared on lessons?
   b. Does the teacher present the lessons clearly and orderly?
   c. Does the teacher speak with the voice clarity and effective body language?
   d. Is the teacher is capable of keeping the class under discipline and control?
   e. Does the teacher command students attention and give response to students doubts and questions?
   f. Does the teacher possess depth of knowledge in subject?
   g. Does the teacher show readiness to give assignments to improve the studies?
   h. Is the teacher available outside class hours to clarify doubts if requested to by students?
   i. Does the teacher help the students to clear the doubts and guide them for the successful completion of the practical program?
   j. Does the teacher use the black board effectively?
   k. Is the teacher regular and punctual?
   l. Does the teacher come with neat dress and posture?
   m. Does the teacher insist on keeping the records up to date and neat?
   n. Does the teacher take interest in maintaining discipline anywhere in the college premises?
   o. Does the teacher remind you about your responsibility to the institution?
   p. Do you find the teacher unbiased and open mined in judgement?
   q. Do you find the teacher patient and considerate?
   r. Do you find the teacher impartial and honest in paper valuation and personal remark making?
   s. Do you find the teacher inspiring in the class as well as outside?
   t. Do you find in the teacher, a true friendly support with elderly affection?

3. From the obtained feedback percentages, suggestions are given to each staff by Management, Principal and Head of the Department.

Actions Taken Procedure:

1. The increments and promotions are given based on student feedback in faculty appraisal form.
2. Those with low scores will be counseled and asked to improve their performance in the subsequent semesters by taking help from senior and experienced teachers or attending pedagogical training or other faculty development programs as per the necessity.

3. The faculty members are constantly motivated by giving a word of appreciation in the departmental meetings.

4. Normally the feedback of the students is used to improve the performance of the faculty members.

5. They are advised to improve upon specific areas like black board management, class control, effective teaching, usage of teaching aids, etc.

6. Apart from this, the faculty members are encouraged to attend various faculty development programs (FDPs) / seminars / workshops to improve their skills.

7. If needed explanation from the faculty will be demanded for any inappropriate result and subsequent action will be taken for improvement of the performance of the faculty member.

8. Counseling will be given to the faculty concerned by HOD and Principal whenever required.

Sample feedback form:

Figure 2.2.1.13 Sample feedback form

Feedback Analysis Process:

1. The feedback collected from students is first analyzed at the level of HoD and then at the level of Principal .

2. The contents of the feedback will be shared with each faculty member personally based on the parameters in questionnaire and their metrics of measurement in the given format on a scale of 4. Based on the parameters, the feedback given on faculty by the students is taken from the students and the average is calculated Those with low scores will be counseled and asked to improve their performance in the subsequent semesters by taking help from senior and experienced teachers or attending pedagogical training or other faculty development programs as per the necessity.

The following teachers identified as best teachers based on the student feedback and one teacher from each class was given an appreciation certificate.

Mr .N. Naga Raju

Mr. D. Sridhar

The following teachers are supposed and nominated to attend Faculty development Programmes.

Mrs. K. Sowmya Sree

 Details of ECE faculty members who have less than 60% feedback in the last three years

Table 2.2.1.6 Summary of corrective measures in assessment period

Corrective Actions	No. of Corrective Actions in Last 3 Years		
	2023-24	2022-23	2021-22

No of faculty members counseled for below Average performance	1	1	1

Fig 2.2.1.14: Appreciation to Faculty & Correctivw Measures

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

Institute Marks : 20.00

Quality of internal semester Question papers, Assignments and Evaluation

A. Process for internal semester question paper setting and evaluation and effective process implementation (5)

Internal Assessment Test:

1. The institute conducts two mid exams after completing 8th week and 16th week respectively based on the academic calendar issued by JNTU, Kakinada.
2. Each test covers half of the syllabus and the tests are conducted for the marks based on the regulation.
3. The duration of the test is one and half-hour and question paper is set to make the student to learn time management.
4. Online quiz exam is conducted by JNTUK comprising of 20 objective questions each carrying half mark.
5. The department has a Scrutinizing Committee called DAC (Department Assessment Committee), comprising of HOD and two senior faculty members to check the quality of the question paper, BT levels and Cos compliance
6. The internal Mid question papers -2 sets are prepared for half of the syllabus for 1st mid and second half of the syllabus for 2nd mid exams as per the blooms taxonomy levels and these sets are verified by the DAC (Department Assessment Committee).
7. According to level of toughness the questions are prepared (viz., analyzing the problems, implementation of modern tools, formulating the problems, etc.), which is termed as Bloom's Taxonomy.
8. For each question the teachers mention marks assigned, outcome number and Bloom's taxonomy level. While preparing the question bank all previous university exam papers are taken into consideration.
9. The Examination section collects 2 sets of question papers for all the courses and they finalize the question paper for internal examinations.
10. The faculty members after every internal assessment test explain the solution of the questions in the class which will enable them to perform well in the final examination.
11. The subject faculty members prepare the scheme of evaluation for the question paper and then evaluate the answer papers based on the scheme.
12. The marks are evaluated based on the regulations. Finally, the Marks scored by the student in every test are sent to their parents by post and displayed in the notice board.
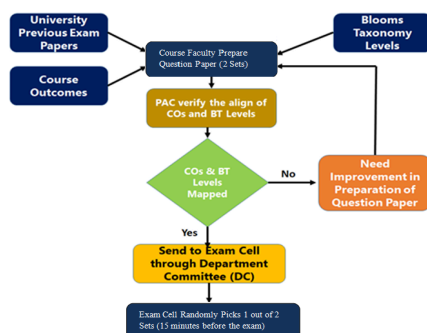
Figure 2.2.2.1: Process for Preparation of Mid Examination Question Paper

Procedure for Conduction and Evaluation of Internal Assessment Test:

1. The timetable for the mid exams will be announced in the notice board 2-3 days prior to the commencement of the test.
2. The students write the test in their allotted seats in a test hall under the invigilation of a faculty member
3. The scheme of valuation for the question paper is prepared by the course coordinator ensuring appropriate distribution of marks for fair valuation
4. The faculties after all mid exams explain the solution of the questions in the class which will enable them to perform well in the final examination

B. Process to ensure questions from outcomes/learning levels perspective (5)

1. Every course coordinator is responsible for analyzing the quality of question paper, mapping with COs and Bloom levels. The scheme and solution of internal question paper is maintained by course coordinator
2. The DAC will suggest the modifications in the question paper in case of any discrepancies and verifies it.
3. Examination Branch is responsible for ensuring the quality of question papers.. External Examination question papers are set by eminent persons from reputed educational institutions as per the supplied syllabus and the same is moderated/verified by course coordinator at examination branch on the day of examination.
4. Rubrics are prepared for project evaluation by the project coordinator .Attainment of COs and POs are calculated after the evaluation of answer sheets and the gaps are identified to address the curriculum gaps
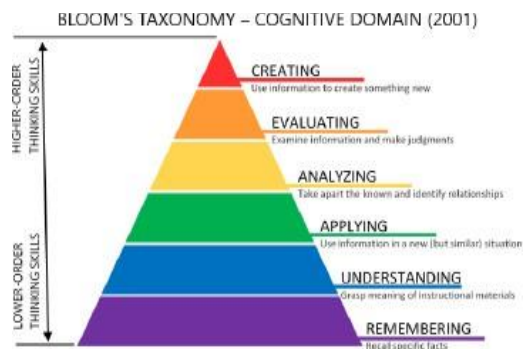
Figure 2.2.2.2: Bloom's Taxonomy Levels

C. Evidence of COs coverage in class test / mid-term tests (5)

Question paper template is shown below:

Figure 2.2.2.3: Mid-I Examination Question Paper for MPMC Course of Academic Year 2022-23 Semester-II

Sample Internal Question Paper Assessment:
Table 2.2.2.1: Mid-I Examination Question Paper CO-TL Analysis for MPMC Course of Academic Year 2022-23 Semester-II

Q.No	Question	Marks	CO	TL	PI
1.a	Draw and discuss the Minimum mode timing diagrams for memory read and memory write operations	3	CO1	L3	1.4.1
1.b	Distinguish between Harvard and Von-Neumann architectures.	2	CO1	L4	1.2.1
2	What are assembler directives? Explain the function of ASSUME, DT, ENDS, EQU, LABEL assembler directives with suitable examples	5	CO2	L4	12.2.1

3	Design an interface between 8086 CPU and two 16k X 8 EPROMS and two 32k X 8 RAM chips. Select the starting address of EPROM suitably. The RAM address must start at 00000H.	5	CO3	L6	3.1.1

COURSE OUTCOME WISE MARKS DISTRIBUTION

Table 2.2.2.2: Mid-I Examination CO Wise Marks% Analysis for MPMC Course of Academic Year 2022-23 Semester-II

S.NO	COURSE OUTCOME	MARKS	% OF MARKS
1	C321.1	5	33.33
2	C321.2	5	33.33
3	C321.3	5	33.33
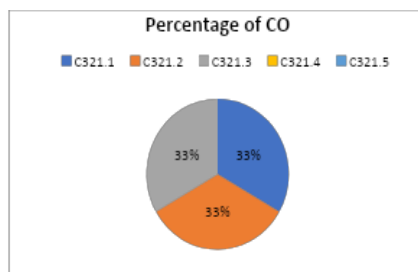
Figure 2.2.2.4: Mid-I Examination CO Wise Marks% Analysis for MPMC Course of Academic Year 2022-23 Semester-II

BLOOM'S TAXONOMY LEVEL WISE MARKS DISTRIBUTION

Table 2.2.2.3: Mid-I Examination BTL Wise Marks Analysis for MPMC Course of Academic Year 2022-23 Semester-II

S.NO	TAXONAMY LEVEL	MARKS	% OF MARKS
1	L1-REMEMBER	0	0
2	L2-UNDERSTAND	0	0
3	L3-APPLY	3	20
4	L4-ANALYZE	7	46.67
5	L5-EVALUATE	0	0
6	L6-CREATE	5	33.33
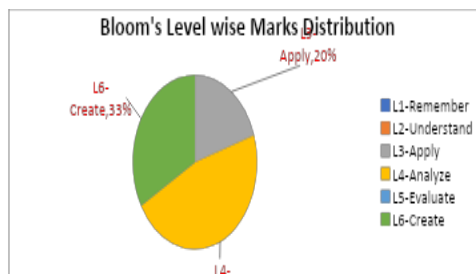
Figure 2.2.2.5: Mid-I Examination BTL Wise Marks Analysis for MPMC Course of Academic Year 2022-23 Semester-II

INTERNAL-2 QUESTION PAPER

ACADEMIC YEAR 2022-23   Hall Ticket No:

SRI VASAVI
INSTITUTE OF ENGINEERING & TECHNOLOGY
NANDAMURU, PEDANA - 521 369

III B. Tech. II SEM II Mid Examinations   Subject: MP&MC
Branch: ECE (A & B)   Time: 02:45PM To 04:15PM
Max Marks: 15M   Date: 08-05-2023

Answer All Questions. All Questions carry equal marks.
3X 5 = 15 Marks

1. Design the hardware interface circuit for interfacing 8251 with 8086. Set 8251 in asynchronous mode as a transmitter and receiver with an even parity enabled, 2 stop bits, 8-bit character length, frequency 160 KHz and baud rate 10K. Write an ALP to transmit 100 bytes of data String at location 2000:5000H.   (C321.3) (Apply)[5M]

2. Explain the interfacing of keyboard with 8051 microcontroller and write an ALP to detect and identify the key press.   (C321.4) (Analyze) [5M]

3. Explain CORTEX-M3 processor system block diagram.   (C321.5) (Understand) [5M]

****"All The Best"****

Don't Write Anything on question paper

Figure 2.2.2.6: Mid-II Examination Question Paper for MPMC Course of Academic Year 2022-23 Semester-II
Table 2.2.2.4: Mid-II Examination Question Paper CO-TL Analysis for MPMC Course of Academic Year 2022-23 Semester-II

Q.No	Question	Marks	CO	TL	PI
1	Design the hardware interface circuit for interfacing 8251 with 8086. Set 8251 in asynchronous mode as a transmitter and receiver with an even parity enabled, 2 stop bits, 8-bit character length, frequency 160 KHz and baud rate 10K. Write an ALP to transmit 100 bytes of data String at location 2000:5000H.	5	CO3	L3	3.1.1
2	Explain the interfacing of keyboard with 8051 microcontroller and write an ALP to detect and identify the key press.	5	CO4	L4	3.4.2
3	Explain CORTEX-M3 processor system block diagram.	5	CO5	L2	12.3.1

COURSE OUTCOME WISE MARKS DISTRIBUTION

Table 2.2.2.5: Mid-II Examination CO Wise Marks% Analysis for MPMC Course of Academic Year 2022-23 Semester-II

S.NO	COURSE OUTCOME	MARKS	% OF MARKS
1	C321.3	5	33.33
2	C321.4	5	33.33
3	C321.5	5	33.33

% of blooms taxonomy

■ C321.3 ■ C321.4 ■ C321.5
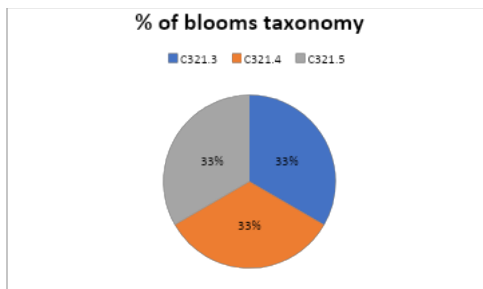
Figure 2.2.2.7: Mid-II Examination CO Wise Marks% Analysis for MPMC Course of Academic Year 2022-23 Semester-II

BLOOM'S TAXONOMY LEVEL WISE MARKS DISTRIBUTION

Table 2.2.2.6: Mid-II Examination BTL Wise Marks Analysis for MPMC Course of Academic Year 2022-23 Semester-II

S.NO	TAXONOMY LEVEL	MARKS	% OF MARKS
1	L1-REMEMBER	0	0
2	L2-UNDERSTAND	5	33.33
3	L3-APPLY	5	33.33
4	L4-ANALYZE	5	33.33
5	L5-EVALUATE	0	0
6	L6-CREATE	0	0

Bloom's Level wise Marks Distribution
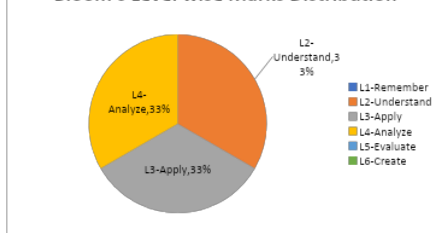
Figure 2.2.2.8: Mid-I Examination BTL Wise Marks Analysis for MPMC Course of Academic Year 2022-23 Semester-II

Sample Copy of Internal Exam Evaluation:

Figure 2.2.2.9: Sample Mid Examination Script Evaluated Copy

Sample External Question Paper Analysis

SUBJECT:MP&MC   ACADEMIC YEAR: 2022-23

SEMESTER END QUESTION PAPER (SET-1) ASSESSMENT

Table 2.2.2.7: End Examination QP BTL Wise Marks Analysis for MPMC Course of AcademicYear2022-23 Semester-II

Q.No	Question	Marks	CO	TL
	III B. Tech II Semester Regular Examinations, July -2023			SET-1
1.a	Draw the minimum mode pin diagram and explain the function of each pin in detail.	7	C321.1	Understand
1.b	Draw the timing diagrams of minimum mode write operation and explain in detail.	7	C321.1	Understand
2.a	Draw the 8086 microprocessor internal architecture and explain the operation of each block.	7	C321.1	Understand
2.b	List out few comparisons of RISC and CISC processor.	7	C321.1	Remember
3.a	Define addressing mode and explain different addressing modes presented in 8086 microprocessor.	7	C321.2	Remember
3.b	Write an Assemble language program to find the sum of squares of first ten numbers.	7	C321.2	Apply

4.a	Write an Assemble language program to find number of even and odd numbers in an 8- Bit array.	7	C321.2	Apply
4.b	Explain the following instructions (i) XCHG (ii) PUSH (iii) CMP (iv) DAA	7	C321.2	Understand
5.a	With a neat diagram explain the architecture of 8255?	7	C321.3	Apply
5.b	Draw and explain the interfacing of seven segment display with 8086microprocessor.	7	C321.3	Apply
6	Draw the internal architecture of USART 8251 and explain its different status and modes and control formats neatly	14	C321.3	Understand
7.a	Discuss about memory organization of 8051 microcontroller?	7	C321.4	Understand
7.b	What is the purpose of using I/O ports of 8051? Classify and explain them in detail?	7	C321.4	Understand
8.a	Write the salient features of 8051 family of microcontroller.	7	C321.4	Remember
8.b	Write short notes on Traffic light controls interfacing with 8051.	7	C321.4	Understand
9.a	Explain in detail about ARM vs thumb programming model?	7	C321.5	Understand
9.b	Explain the Stack and Stack pointer of a ARM processor in detail.	7	C321.5	Understand
10	Draw and explain the functional description and NVIC programmers' model in detail.	14	C321.5	Understand

Table 2.2.2.8: End Examination QP CO Wise Marks Analysis for MPMC Course of AcademicYear2022-23 Semester-II

S.NO	COURSE OUTCOME	MARKS	% OF MARKS
1	C321.1	28	20.00
2	C321.2	28	20.00
3	C321.3	28	20.00
4	C321.4	28	20.00

| 5 | C321.5 | 28 | 20.00 |
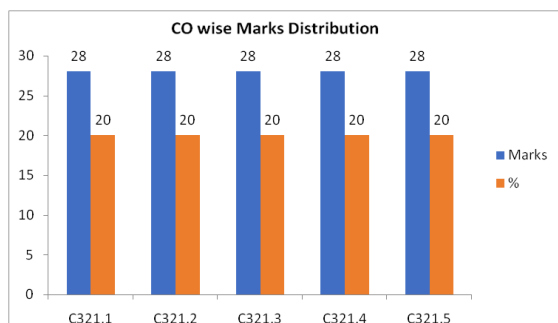
Figure2.2.2.9: End Examination QP CO Wise Marks Analysis for MPMC Course of AcademicYear2022-23 Semester-II

Table 2.2.2.9: End Examination QP BTL Wise Marks Analysis for MPMC Course of AcademicYear2022-23 Semester-II

S.NO	TAXONOMY LEVEL	MARKS	% OF MARKS
1	L1-REMEMBER	21	15
2	L2-UNDERSTAND	91	65
3	L3-APPLY	28	20
4	L4-ANALYZE	0	0
5	L5-EVALUATE	0	0
6	L6-CREATE	0	0

D. Quality of Assignment and its relevance to COs (5)

Assignments:

The course coordinator announces assignment topic, submission dates and communicates in the class. Assignments are designed in such a way to promote self-learning from various sources   Assignments are evaluated for 5 marks and feedback is given to the students to improve their learning and appreciate their efforts
Initiatives for implementation of Quality Assessment:
1. Assignments promote practice. Assignments may include theory, design, analysis, and problems.
2. A minimum of two assignments are given for every course, and each assignment is evaluated for 5marks.
3. The assignments are being practiced for the continuous improvement of learning capabilities and for good writing skills. These assignment questions are prepared as per Blooms Taxonomy levels.

Sample Assignment Questions Analysis

ASSIGNMENT ASSESMENT

SUBJECT: MP&MC   **ACADEMIC YEAR: 2022-23**
Table 2.2.2.7: Assignment Analysis for MPMC Course of Academic Year 2022-23 Semester-II

Q NO	Assignment question	Marks	Connected CO	BTL of CO	PI
A1.1	Explain the functionality of pins used in the following modes of 8086 microprocessor: i) Minimum mode ii) Maximum mode.	2	C321.1	Understand	1.3.1
A1.2	What is a microprocessor? Explain the brief history of evolution of microprocessor.	2		Understand	4.1.2
A1.3	Discuss the interrupts and interrupt response of 8086.	1		Understand	3.4.1
A2.1	Mention any four different types of addressing modes of 8086 instruction set? And explain them,	2	C321.2	Apply	1.3.1
A2.2	Discuss the assembler directives of 8086 with examples.	2		Understand	1.3.1
A2.3	List and explain the different string instructions of 8086.	1		Understand	1.3.1
A3.1	Design an interface between 8086 CPU and two 16k X 8 EPROMS and two 32k X 8 RAM chips. Select the starting address of EPROM suitably. The RAM address must start at 00000H.	5	C321.3	Create	1.3.1
A4.1	Explain interfacing of Keyboard/Display with 8051 microcontroller	2	C321.4	apply	3.2.3
A4.2	Name the special function registers available in 8051 and list the features of 8051 microcontroller.	1		Analyze	3.2.1
A4.3	Write an ALP using 8051 instructions to receive bytes of data serially and put them in PI. Set the baud rate at 4800, 8-bit data and 1 stop bit.	2		Apply	3.2.3
A5.1	Explain Cortex M3 processor system block diagram.	4	C321.5	Understand	12.3.1
A5.2	Explain the functional description of the nested vectored interrupt controller.	1		Understand	12.3.1
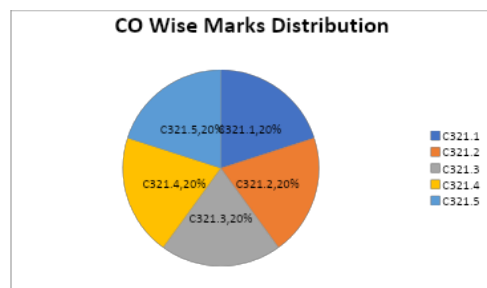
Figure 2.2.2.10: Assignment CO Wise Marks Analysis for MPMC Course of Academic Year 2022-23 Semester-II

Table 2.2.2.8: Assignment CO Wise Marks Analysis for MPMC Course

S.NO	COURSE OUTCOME	MARKS	% OF MARKS
1	C321.1	5	20
2	C321.2	5	20
3	C321.3	5	20
4	C321.4	5	20
5	C321.5	5	20

Table 2.2.2.9: Assignment BTL Wise Marks Analysis for MPMC Course of Academic Year 2022-23 Semester-II

S.NO	TAXANOMY LEVEL	MARKS	% OF MARKS
1	L1-REMEMBER	0	0
2	L2-UNDERSTAND	13	52
3	L3-APPLY	6	24
4	L4-ANALYZE	1	04
5	L5-EVALUATE	0	0
6	L6-CREATE	5	20
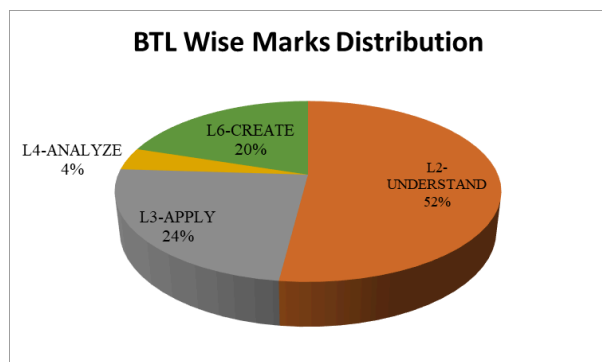
Figure2.2.2.11: Assignment BTL Wise Marks Analysis for MPMC Course of Academic Year 2022-23 Semester-II

SAMPLE ASSIGNMENT Evaluation :

20H61A0453

Explain the interfacing of keyboard with 8051 microcontroller and write an ALP to detect and identify the key press.

At the lowest level, keyboards are organized in a matrix of rows and columns. The CPU accesses both rows and columns through ports; therefore, with two 8-bit ports, an 8x8 matrix of keys can be connected to a microprocessor. When a key is pressed, a row and a column make a contact; otherwise, there is no connection between rows and columns. In IBM PC keyboards, a single microcontroller (consisting of a microprocessor, RAM and EPROM, and several ports all on a single chip) takes care of hardware and software interfacing of the keyboard. In such systems, it is the function of programs stored in the EPROM of the microcontroller to scan the keys continuously, identify which one has been activated, and present it to the motherboard. Below figure shows a 4x4 matrix connected to two ports.
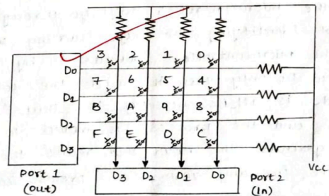
Explain CORTEX-M3 processor system block diagram
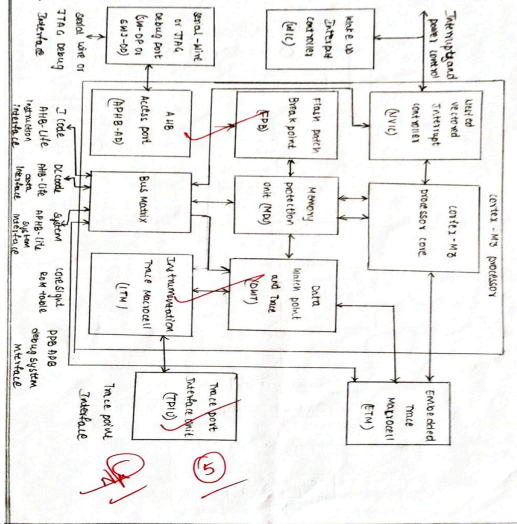
Figure 2.2.2.12: Sample Assignment Copy

Course Outcome Percentages for all the courses (2023-24) I SEMESTER

Table 2.2.2.10: CO % for all the courses (2023-24) I SEMESTER

COs	CO1	CO2	CO3	CO4	CO5

Internal exam Percentage	16.67	16.67	33.33	16.67	16.67
Assignments	20	20	20	20	20
University	20	20	20	20	20
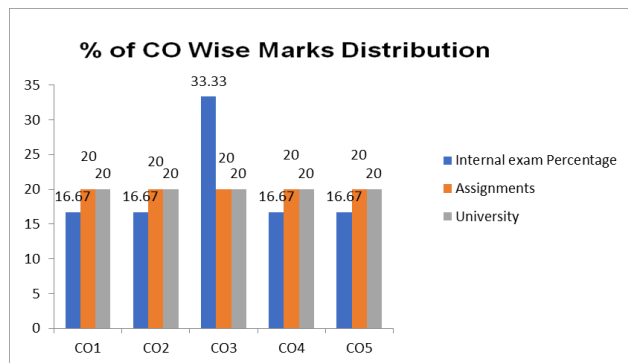
Figure 2.2.2.13: CO % for all the courses (2023-24) I SEMESTER

Taxonomy evaluation for all the courses (2023-24) I SEMESTER:

Table 2.2.2.11: **BTL wise % for all the courses (2023-24) I SEMESTER**

COs	Remember	Understand	Apply	Analyze	Evaluate	Create
Internal exam Percentage	8.67	23.33	30.55	25.33	6.44	5.67
Assignments	13.46	39.64	18.31	15.28	7.78	5.53
University	9.58	37.73	23.62	18.38	7.67	3.02
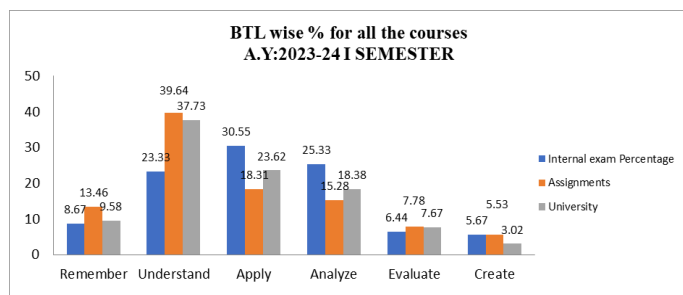
Figure 2.2.2.14: BTL wise % for all the courses (2023-24) I SEMESTER
Course Outcome Percentages for all the courses (2023-24) II SEMESTER
Table 2.2.2.12: CO % for all the courses (2023-24) II SEMESTER

COs	CO1	CO2	CO3	CO4	CO5
Internal exam Percentage	16.67	16.67	33.33	16.67	16.67
Assignments	20	20	20	20	20
University	20	20	20	20	20
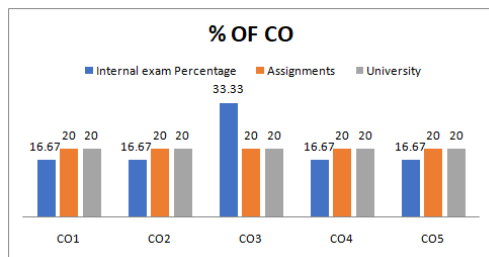
Figure 2.2.2.15: **CO % for all the courses (2023-24) II SEMESTER**

Taxonomy evaluation for all the courses (2023-24) II SEMESTER:

Table 2.2.2.13: BTL wise % for all the courses (2023-24) II SEMESTER

COs	Remember	Understand	Apply	Analyze	Evaluate	Create
Internal exam Percentage	1.67	33.00	35.00	22.33	7.33	0.67
Assignments	10.00	50.40	13.73	12.87	4.60	8.40
University	6.36	40.83	29.86	12.71	7.50	2.75
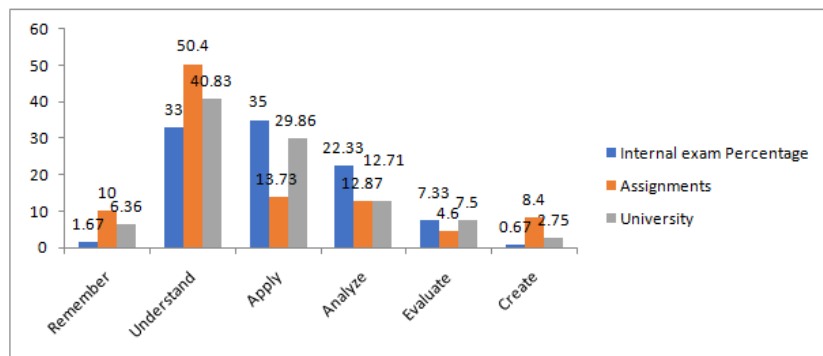
Figure 2.2.2.16: **BTL wise % for all the courses (2023-24) II SEMESTER**

Explanation for scheme of evaluation, grievances both internal and end exam.

1. There will be two internal examinations for each semester which are evaluated by conducting two descriptive exams (Each 15 marks), two online examinations (Each 10 marks) and assignments (5 Marks).

2. The scheme of evaluation will be prepared by concern faculty member with division of marks.

3. The answer booklets will be given to the students after evaluation and if any grievance like counting problem happens then it will be rectified by the concern faculty at the same time.

4. Any grievance in the end examination can be applied to the university in the form of Recounting and Re- Valuation.

Figure 2.2.2.17: **Sample Mid Examination Question Paper & its Scheme**

2.2.3 Quality of student projects (25)   Institute Marks : 25.00

Quality of Student Projects

Initiatives

- The student projects are selected in line with department vision, mission and program outcomes.
- Students are provided knowledge about different domains and broad areas for selecting their project.
- The list of previous year projects is displayed in notice board which ensures no repetition of projects.
- The faculty members encourage the students to do project work with the facilities available in the department. Further, students are advised to take up industry projects.
- The faculty members help the students to avail the external funding schemes for their project work.
- The faculty members encourage the students for poster presentation and to exhibit their work.
- Students are encouraged to publish and present their project work in various Journals and Conferences.
- Students are allowed to form group which consists of minimum 2 members or maximum 5 members
- If the students are not able to form the group, then the project coordinator will help them for the same.
- A project coordinator is appointed by the Head of the Department who is responsible for planning, scheduling and execution of all the activities related to the Projects.

The Department Project Review Committee (DPRC), consisting of the Head of the Department, senior faculty members, and the Project Coordinator. DPRC evaluates and identifies the best projects by considering factors such as environment, safety, ethics, and cost.
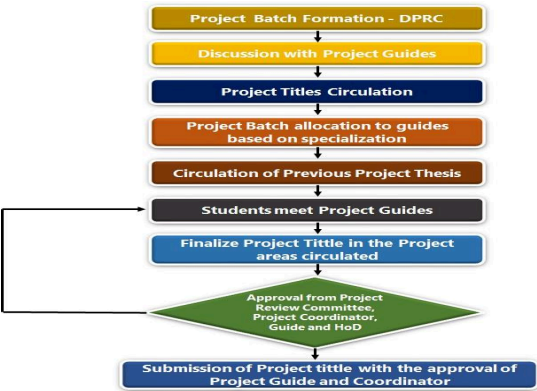
Fig 2.2.3.1 Project Process Flow Chart

Details of Project Implementation:

Table 2.2.3.1 Details of project implementation

Task	Particulars
Call for project batch and guide allotment	Students are asked to prepare their batch with the help of project coordinator of the department. With respect to the areas of interest of each guide the batches will be allotted to guides.
Call for Project Titles	Students are instructed to submit the title of the project in consultation with their respective guide to the project coordinator.
Synopsis submission	The student submitting project titles are pre-evaluated by DPRC.
Project title finalization and Abstract submission	The submitted project titles are reviewed by a committee Consisting of Project coordinator, Head of the department and some senior faculties (project committee).
First Review	Students are instructed to submit software requirement Specification and give a power point presentation for the project(Evaluation phase I by a team of faculty)
Second Review	Students are instructed to submit design documents of the project and give a PowerPoint presentation for the project (Evaluation phase II by a team of faculty)
Third Review	Students are instructed to submit complete project report with university compliance and give a Power Point presentation for the project (Evaluation phase III by a team of faculty)
Project internal marks announcement	The marks for the project work are announced and processed according to the university regulation

Table2.2.3.2 Rubric for Internal Project Evaluation Guide

SAMPLE BATCH
Review-1 by DPRC

Components	Marks (M)	Criteria	Exceptionally well Executed (M>90%)	Good with Room Improvement (70%)	Meets Minimum Requirement (M<70%)
Title and Feasibility	10	Scope	The title accurately reflects the scope and objectives of the study, ensuring immediate clarity for the audience.	The project is realistic and achievable within the given time frame, resources, and expertise available.	The study addresses a relevant problem or gap, indicating its potential value and applicability in real-world contexts.
Abstract and its Depth	10	Content	The abstract effectively summarizes the key aspects of the study—objectives, methods, results, and conclusions—in a clear and concise manner.	It reflects a deep understanding of the research by highlighting the significance and implications of the findings.	The abstract captures interest while providing sufficient detail to inform and guide readers about the studys core contribution.
Presentation	10	Presentation	The presentation was well-organized, with a logical flow that made complex ideas easy to understand.	Effective use of visuals, voice, and timing helped maintain audience interest and enhance message clarity.	The presenter demonstrated strong knowledge of the topic, answered questions effectively, and conveyed information with confidence.

A. Identification of projects and allocation methodology to Faculty Members (3)

The project coordinator identifies the different research areas. DPRC identified research areas such as Image Processing, Internet of Things, Wireless Sensor Networks, Embedded Systems and Very Large Scale Integration (VLSI), Signal Processing, Antennas, Communication Systems.

Department Project Review Committee (DPRC)

This committee will be responsible for evaluating the timely progress progress of the projects and interact to the students.

- At the end of the second semester of the third year (VI semester), the Department Project Review Committee should finalize the list of student batches with their projects, the list of available supervisors with their interesting research areas, and the list of identified research areas by the department if any research work is going on or specified by any faculty member.
- The list of all the projects conducted in the last 3 academic years by the department will be maintained along with their supporting documents like literature surveys submitted by the student groups, project evaluation forms, etc.
- It is ensuring that the department is equipped with high-quality laboratories so that the students have access for their project purposes.
- In case it is observed by the DPRC that any group of students is not performing well, the committee should take special care to improve their performance by counseling them.

AcademicYear 2023-24

The following faculties are nominated as the members of Department Project Review Committee (DPRC) to evaluate the project work of IV B. Tech students

S.No	Nameof the Faculty	Designation	Role
1	Dr.B.Raghavaiah	Prof & Head of the Department	Chairman
2	Dr. K Murali Babu	. Professor,	Coordinator
3	Dr,R.Samba Siva Rao	Assoc. Professor,	Member
4	Dr.N.Vijay Rathnam	Assoc. Professor,	Member
5	Mr.A.Chandra Suresh	Assoc. Professor,	Member
6	Mr. D.Sridhar	Assoc. Professor,	Member

- DPRC should follow the R20 Regulations for B. Tech (Regular) issued by JNTUK. Kakinada.
- DPRC is responsible for the Internal Evaluation of each students project work.
- DPRC should be aware of POs, PSOs
- DPRC should check whether the plan of action meets the project requirements or not.
- DPRC should verify whether the Project Work meets the Plan of action specified in Review-1 or not in terms of scope, quality and time period for modules implementation.

Allocation of Supervisor

Each project activity must be supervised by the faculty members of the Department. These faculty members are termed as Supervisors. There can be at most two supervisors for a B.Tech. project, out of which at least one has to be from the department and the other can be from outside the department or institute. However, in order to select a supervisor from outside the institute, the department has to get prior permission from the principal.

Procedure of Project Group Formation

Each B.Tech. Project has to be carried out by a group of students from the department. In order to ensure the participation of each student, the group size should be preferably at least 3 but not more than 5 students. The formation of project groups should be done such that each group has representation of students with varying academic merit, from best to average. In view of this, the following practice may be followed

- Decide the total number of feasible groups. Any left-out student(s) should be randomly assigned to any group. Enlist the students in the order of their previous years merit.
- Depending on the number of groups to be formed, identify the group members in order of merit.
- After forming the project groups, students should select the project supervisor based on the procedure specified by the DPRC and submit the project registration letter to the project coordinator.
- In cases where the project is multi-disciplinary, a project group can be formed consisting of students from other departments. But there must be at least one student from the department who is offering the project.

B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs(5)

S.No	Academic Year	No of Projects	Relevance to PO/PSO
1	2023-24	29	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2,PSO3,PSO4
2	2022-23	28	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2,PSO3,PSO4
3	2021-22	33	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2,PSO3,PSO4

Table 2.2.3.1:List of Student Project Batches with Project Tittle and Guide with POs &PSOs Mapping for Academic Year 2023-2024 (Batch 2020 -24)

S.NO	Batch No	Name of the Student	Reg.N0	Name of the Guide	Title of the Project	Relevance to Pos an PSOs
1	20EC01	Gule Nikhat	20MQ1A0408	Dr.N Vijaya Ratnam	Machine learning Based indoore localization using VLC	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2,PSO3,PSO4
		Konatham Rajesh	20MQ1A0439			
		Kasagani Chinmaya	20MQ1A0412			
		Tummalagunta Tejaswai	20MQ1A0423			
2	20EC02	Vi S L S R Dlakshmi	20MQ1A0424	Dr. K Murali Babu	Finger print based e-voting system	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		S D Sri N S Manikanta	20MQ1A0449			
		P Venkata Siva Durga	20MQ1A0419			
		Gopu Ganya Sai	20MQ1A0434			

3	20EC03	PULI NIKHITA	21MQ5A0404	D Sridhar	Low power Redundant transition force TSPC dual edge triggering ff by using single face detector	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Golla Sai Manikanta	21MQ5A0408			
		Bkrishna Kumuda	20MQ1A0403			
		Mylavarapu Geethika	20MQ1A0416			
4	20EC04	Balla Deepthi	21MQ5A0401	M Suneel	32-bit MAC using vedic mathematics	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Kumbham Bala Krishna	20MQ1A0440			
		C Sai Harini Nag	20MQ1A0405			
		Pedasanaganti Bhargav	20MQ1A0445			
		Vutla Yugandhar	20MQ1A0451			
5	20EC05	Dasari Vineela	20MQ1A0406	Y R K Paramahamsa	IOT based health tracking shoe for elderly people using giant monitoring system	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Nunna Vijaya Lakshimi	20MQ1A0417			
		Chinta Viraj	20MQ1A0430			
		P Naga Sai Satyanarayana	20MQ1A0444			
6	20EC06	Mendu Deevenakumari	20MQ1A0415	J J Swaroop	A high speed montgomery multiplier using LF adder in security applications	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Yarlagadda Navya Sri	21MQ5A0405			
		Bommasani Gowthami	20MQ1A0404			
		K Lakshimi Harika	20MQ1A0411			
7	20EC07	Chirivella Hari Prasad	20MQ1A0431	K Sai Sudheer	LPG gas leakage detection and avoidance system	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Parasa Swathi	20MQ1A0418			
		Kolukula Hemanth	20MQ1A0438			
		P Pardha Raja Sri Sweaphak	20MQ1A0443			

8	20EC08	P Yamini Jyothi	20MQ1A0420	K Sowmyasri	Accident detection and alert system	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Chennamsetty Naga Rajesg	21MQ5A0407			
		P Manikanta Sai Kumar	20MQ1A0446			
		R V Nandini	20MQ1A0421			
9	20EC09	J Reshma Sai	20MQ1A0410	N Nagaraju	Automated driver drowsiness system	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		VVyshnavi	20MQ1A0425			
		G G V Sai Naga Raju	20MQ1A0433			
		B Sitharam	20MQ1A0429			
10	20EC10	Kodati Karthik	20MQ1A0436	P Jyothi	IOT based smart accident detection and insurance claiming	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Mannem Swami	20MQ1A0441			
		A Sai Dinesh	20MQ1A0428			
		M Sai Kumar	20MQ1A0442			
11	20EC11	Yarlagadda Lavanya	20MQ1A0426	M Sivaji	development of voice - controlled intelligence wheel chair by using arduino	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Ch Sai Krishna	20MQ1A0432			
		Arja Usha Rani	20MQ1A0402			
		V Pavan Kumar	20MQ1A0450			
12	20EC12	C Swarna Latha	21MQ5A0402	G Karuna	Area efficient 4-2 compressor and probability based error adjustment for approximate multiplier	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Ch Sai Krishna	20MQ1A0432			
		J Amar Babu	20MQ1A0435			
		M Chandini	20MQ1A0414			
13	20EC13	D Venkata Kalki	20MQ1A0407	C Pakkiraiah	Design of logic gates using reversible gates with reduced quantum cost	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		E N Venkata Ratna Kinnera	21MQ5A0403			
		A Vamsi Priya	20MQ1A0401			
		A N S Pavan Kumar	21MQ5A0406			

14	20EC14	Kode Sahitya Naga Divya	20MQ1A0413	S Rajeswari	Design of high power performance casacadable full adder architecture	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Sunkara Hema Kumari	20MQ1A0422			
		RVenkata Sai Krishna	20MQ1A0447			
		Kokkera Siva Naga Chandra	20MQ1A0437			
15	20EC15	L J Navya Sri	20MQ1A0465	Dr.N Vijaya Ratnam	UAV- ground communication links performance analysis under marine time environment	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		A Resbhma	20MQ1A0456			
		A Kamal Khan	20MQ1A0476			
		G Ishwarya	20MQ1A0459			
16	20EC16	B. T Devi	21MQ5A0410	Dr. K Murali Babu	Smart phone automation using google assistant	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		E Kusuma Sri	20MQ1A0458			
		A Teja Kalakanda	20MQ1A0477			
		P Pawan Kalyan	20MQ1A0496			
17	20EC17	Kagitha Likitha	21MQ5A0411	D Sridhar	Cascade cross couple stage high speed dynamic component in 65 nm technology	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		T N Sai Narasimha Rao	20MQ5A04A0			
		Vusa Chandrika	20MQ5A0474			
		Sy Sudeep	20MQ1A0497			
18	20EC18	N Venkata Naga Ramya	20MQ1A0467	M Suneel	Design of advance encryption standard w/o s-box	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Akunuri Poornima	20MQ1A0454			
		V Vera Vinod Babu	20MQ1A04A3			
		Kode Ganesh Vamsi	20MQ1A0490			

19	20EC19	T Chinna Kalyani	20MQ1A0470	Y R K Paramahamsa	IOT based automatic shed system to prevent unwanted rains for growing crops	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Madhiri Lidhin Kumar	21MQ1A0416			
		Vuinnakota Bhargavi	20MQ1A0473			
		G Somendra Pawan	20MQ1A0486			
20	20EC20	Rajulapati Kalpana	21MQ5A0413	J J Swaroop	Matrix based error detection and correction using minimal parity bits per memories	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Kollipara Preritha	20MQ1A0463			
		Pallikonda Prudhvi Raj	20MQ1A0494			
		Tagorenath K	20MQ1A0499			
21	20EC21	Akurathi Akshaya	20MQ1A0455	K Sai Sudheer	A reliable and high speed 6T compute SRAM design with dual split VDD assist and bit line leakage component	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Veeramallu Divya Sai	20MQ1A0472			
		Kothapalli Konda Babu	20MQ1A0489			
		G Eswar Kumar	20MQ1A0485			
22	20EC22	SUHASINI AKURI	21MQ5A0409	K Sowmyasri	Automatic agricultural robot	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Goli Mahesh	21MQ5A0417			
		Palanki Kanaka Durga	20MQ1A0462			
		Kuthada Bhanu Prakash	20MQ1A0491			
23	20EC23	Radrouthu Sowmya Sree	20MQ1A0468	N Nagaraju	Design a high efficient and high speed parallel prefix multiplication	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Inkollu Sri Sai Sajana	20MQ1A0460			
		Vuyyuru Naga Vamsi	20MQ1A04A4			
		C Hari Naga Babu	20MQ1A0483			

24	20EC24	Vasana Kusuma	21MQ5A0414	P Jyothi	Energy-efficient wide range level shifter with a logic error detection circuit	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		C Sri Durga Prasad	21MQ5A0415			
		C Phanidhra Manoj	20MQ1A0481			
		Sripathi Gnanadeep	20MQ1A0498			
25	20EC25	Kunapareddy Bhanu Sri	20MQ1A0464	M Sivaji	Development of voice controlled wheel chair using rasberry pi	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		V Manikanta Kumar	20MQ1A04A2			
		Savihah Kehkashan	20MQ1A0469			
		Matti Koti Bala Ganesh	20MQ1A0492			
26	20EC26	S Sandhya Rani	21MQ5A0412	G Karuna	Design & analysis of multi clocked pipelined processor based on RISC-V	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Bommasani Sathish	21MQ5A0418			
		Tummala Madhu	20MQ1A04A1			
		Chinta Swapna	20MQ1A0457			
27	20EC27	A Hema N Vijayalakshmi	20MQ1A0453	C Pakkiraiah	Baugh-wooley multiplier using toffli and mulitiple fredking reversible logic gates	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		Kagitha Sucharitha	20MQ1A0461			
		Vuyyuru Baby Priyanka	20MQ1A0475			
		J Raghuveer	20MQ1A0487			
28	20EC28	Thota Sravya	20MQ1A0471	S Rajeswari	Design and implantation of AES S-Box using RFF	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		C Kanaka Vara Prasad	20MQ1A0482			
		Nagulla Sudheer Kumar	20MQ1A0493			
		Pamarthi Gowtham	20MQ1A0495			

29	20EC29	Nallaganchu Kiranmayi	20MQ1A0466	D Sridhar	Energy efficient single-ended read/write IOT near thershold SRAM	POs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 PSOs: 1,2,3,4
		K Ganesh Kumar	20MQ1A0488			
		E S Sashank	20MQ1A0484			
		B Eswara Govinda Raju	20MQ1A0479			

The project work shall be evaluated for 200 marks out of which 60 marks for internal evaluation and 140 marks for External evaluation. To ensure proper conduction of each project, progress of each project should be verified by supervisor and then by the Department Project Review Committee. In order to do so, it is planned to conduct 3 reviews for each project group. The evaluation shall be done on the following basis

Table 2.2.3.4: Details of Reviews

Review number	Evaluation	Marks
Review 0	Preliminary Evaluation	0
Review 1	Implementation Evaluation	60
Review 2	Implementation Evaluation	60
Review 3	Implementation Evaluation	60
External Examination	Project Viva Voce	140
*The internal marks are the average of Reviews 1 , 2 &3		

Supervisor Evaluation

Every supervisor should evaluate respective project group based on the day to day evaluation through "Project Work Book" which is should be maintained by project group and submit the evaluated marks to DPRC at the time of respective project group presentation. Project coordinator must arrange regular meetings with students with supervisor and update their work progress in project work book. The students must note all concepts, drawings, formulae, derivations, experimental observations, graphs, charts, photographs, computer flow charts in project work book, which must be shown to DPRC members at the time of reviews.
DPRC and Guide's/ Supervisor Evaluation of Marks

Table 2.2.3.5: DPRC and Guide's/ Supervisor Marks Evaluation

S. No.	Assessment Basis	Maximum Marks
1	Continuous Assessment	30
2	DPRC	30
Total Marks		60 Marks

Sample Evaluation Form
Academic Year -2023-24
IV B. Tech II Semester Project Work
Review -1 Evaluation Form
Table 2.2.3.6: Sample Review -1 Evaluation Form of Reviewer 1

S.No	Batch Code	Registration Number	Nameof the Student	Name of the Guide	Title of the Project	A 5	B 10	C 5	D 5	E 5	Reviewers Remarks	Sign of the Reviewer

S.No	Roll No	Name	Supervisor	Project Title	A	B	C	D	E	Total
1		20MQ1A0408	Gule Nikhat			5	10	4	5	5	29
2	20EC01	20MQ1A0439	KRajesh	Dr.N Vijaya Ratnam	Machine learning Based indoore localization using VLC	4	9	4	5	5	27
3		20MQ1A0412	K Chinmaya			5	10	5	5	4	29
4		20MQ1A0423	T Tejaswai			5	10	10	5	5	30

Note: R1 to R3 are DPRC members, Reviewers remarks column for comments per student (For all DPRC members)

		Maximum Marks
A	Knowledge on selected topic	5
B	Quality of completed work	10
C	Student contribution on project	5
D	Presentation Skills	05
E	Queries answering	05
	Total Marks	30

• PRC member should be aware of POs and PSOs of the department and ensure that the project work meets the POs and PSOs

• Thoroughly check the quality of the project and work progress as per the plan of the action or not.

• Collect the faculty evaluation forms and supporting documents of the completed work if they need

In Semester Iv (4th year 1st semester), will be purely problem identification. This will be taken by the Department Project Review Committee (DPRC) in two to three weeks before the ending of the 4th year 1st semester. In this they are required to show a Power Point Presentation with not more than 10-15 slides. Students add graphical (Pictures, block diagrams, flow charts, etc.,)information related to content in the presentation whenever they need

The 0th review project work presentation describes the following

• Main Aim/ Objective of the project

• Literature survey

• Problem Formation

• Expected results and proposed title of the project

• References

The 0th review project work presentation shall be made before the respective project supervisor first and on his approval, it should be made before the Department Project Review Committee (DPRC).

The 1st review project work presentation will be planned by the DPRC in Eight weeks after the commencement of 4th year 2nd semester. The 1st review project work presentation will review the following.

• Introduction

• Problem Statement

• Methodology

• Modules Split-up

• Equations/Design and software to be used

• Algorithms/ Techniques used

• Expected outcomes

• Plan of action of the project

• References/Bibliography

The 2nd review project work presentation will be planned by the DPRC in 12 weeks after the commencement of 4th year 2nd semester. The 2nd review project work presentation will review the following

• Introduction

• Abstract

• Methodology

• Modules Split-up

• Work progress towards Proposed System
• Equations/Design and software to be used
• Algorithms/Techniques used
• outcomes
References.
3rd Project review is treated as internal Viva voce

Sample Assessment of Project Internal Marks
Academic Year 2023-24
IV B. Tech II Semester Project Work
Review –1 Consolidated Report

S. No	Project Batch Code	Registration Number	Name of the Student	R1 30 M	R2 30 M	R3 30 M	Avg 30 M	Guide Marks 30 M	Total Marks 60 M
1		20MQ1A0408	Gule Nikhat	29	28	27	28	29	57
2	20EC01	20MQ1A0439	Konatham Rajesh	25	21	20	22	27	49
3		20MQ1A0412	Kasagani Chinmaya	23	23	25	24	26	50
4		20MQ1A0423	Tummala gunta Tejaswai	10	10	11	10	30	40

- R1To R3 are DPRC Members
- The DPRC Members Marks Evaluation Per Student Should Be Noted in R1 to R3

Reviewer	Member	Max.Marks
R1	DPRC Member	30
R2	DPRC Member	30
R3	DPRC Member	30
	Average of DPRC R1 to R3	**30**
--	Supervisor	**30**
	Total Marks	**60**

Distribution of Evaluation Marks for Project Work External Examination
Table 2.2.3.7: Distribution of Evaluation Marks for Project Work External Examination

S. No.	Particulars	Max.Marks
1	Introduction	10
2	Literature Survey	10
3	Problem Formulation	15
4	Experimental Observation/Theoretical Modeling	15
5	Results– H/S Demo	25

6	Conclusions	15
7	Over all Presentation of the Thesis	25
8	Project Report Writing	25
	Total Marks	**140**

C. Process for monitoring and evaluation (5)

• Every week students will meet their supervisor .
• Supervisor will give suggestions towards the improvement of the project work. Based on inputs, students have to carry their work.
• Supervisor will check their project book and write comments. Students will work on the comments given by the guide and rectify mistakes
• Supervisor will submit the progress of project work to the Project Coordinator and project Coordinator submits them to the HoD. Head of the Department will check the progress and give required suggestions and comments.
• In case, the student is doing project outside the institute such as industry internships, he/she has to consult the Supervisor towards the implementation of the project.
• The students have to attend the three project review presentations on their project work which is reviewed by the Department Project Review Committee (DPRC).
• Upon satisfactory reviews of the projects, Department Project Review Committee (DPRC) will allow the students for submission of the thesis report.

Evaluation Scheme for Projects

• Project viva-voce examiner will be appointed by the JNTUK, Kakinada
• There will be a specific time period to conduct project viva-voce. Project coordinator to be contact the external examiner and fix a suitable date and informs the same to the student
• External examiner will visit the institute to conduct project viva-voce and he/she will evaluate all the projects and give the marks as per students' performance

Impact Analysis

• New innovative ideas from students form the basis of some projects skills or abilities (Verbal/Non-Verbal) of students are improved
• Knowledge on various aspects of project management were developed
• Confidence level of the students was boosted
• Team work spirit will be Improved
• Implementation and distribution of the projects for social benefits
• Document preparation and presentation
• Opportunities to show case their project work in project exhibition

D. Process to assess individual and team performance (5)

Sample Project – CO-PO Mapping

Project Title: Virtual Safety System for Women Using IoT
Name of the Guide: G. Sita Annapurna
Name of the Student: G.Yogi, Y.P.Mounika, T.P.V.D.Bharadwaj and M.Upendra

Table 2.2.3.8:CO-POMatrix for Project Virtual Safety System for Women Using IoT

Description of the Application, Page Number in the Report	Mapped CO	Mapped PO
Identify the formulate a real innovative problem and study its requirements	CO1	POs:1,2,3,4,6,7,8,9,10,11,12 PSOs:1,2,3,4
Develop new algorithm using modern tools and that should meet the solution of Problem statement	CO2	POs:1,2,3,4,6,7,8,9,10,11,12 PSOs:1,2,3,4
Design and develop small codes for individual functions/blocks using modern tools	CO3	POs:1,2,3,4,5,6,7,8,9,10,11,12 PSOs:1,2,3,4
Integrate all individual modules and validate the proto type using simulators are debuggers	CO4	POs:1,2,3,4,5,6,7,8,9,10,11,12 PSOs:1,2,3,4

Work as a responsible member and possibly a leader of a team in developing Total proto type/software solutions & conduct oral presentations and Participate in various Conferences	CO5	POs:1,2,3,4,5,6,7,8,9,10,11,12 PSOs:1,2,3,4

Table2.2.3.10: **Machine learning Based indoore localization using VLC** *CO Attainment*

PROJECTCOATTAINMENT

A.Y	2023-24	Name of the Guide:	Dr. N. Vijaya Rathnam

Name of Project	Machine learning Based indoore localization using VLC

Batch. No	20EC01

S.NO.	Regd. No.	REVIEW1 (30M)	REVIEW2 (30M)	REVIEW 3 (30M)	Review Average (30M)	Day to Day Work(30M)	Total Internal (60M)	UNIVERSITY EXAMINATION GRADE
1	20MQ1A0408	29	29	29	29	29	58	10
2	20MQ1A0439	29	29	29	29	29	58	10
3	20MQ1A0412	29	30	30	29	30	59	10
4	20MQ1A0423	29	28	28	28	29	57	10
	Average Mark	29	29	29			58	10
	% Marks	97%	97%	97%			97%	100%
	Attainment	3	3	3			3	3
	CO 1	3		3			3	3
	CO 2	3		3			3	3
	CO 3	3		3			3	3
	CO 4		3	3			3	3
	CO 5		3	3			3	3
				Academic Performance				
							Attainment	
	Academic performance(60%Weightage)						1.8	
	Project Outcomes (Prizes/Prototypes/Publications/Best project)(40%Weightage)						0.4	
				Over all			2.2	

Rubrics:	
Academic Peformance	**Attainment**
<70%	0
<80%	1
80-90%	2
>=90%	3

Average Values of POs from CO-PO Matrix for a Project Batch

Table 2.2.3.11:Average Values of POs from CO-PO Matrix of Machine learning Based indoore localization using VLC Project

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
Mapping	3	2	3	3	3	2	3	2	3	3	2	3	2	2	2	2

E. Quality of completed projects/working prototypes (5)

Table 2.2.3.13:List of Students Working Prototypes forAcademicYear 2023-2024 (Batch 2020 -24)

S.NO	Batch No	Name of the Student	Reg.N0	Name of the Guide	Title of the Project
1	20EC01	Gule Nikhat	20MQ1A0408	Dr.N Vijaya Ratnam	Machine learning Based indoore localization using VLC
		Konatham Rajesh	20MQ1A0439		
		Kasagani Chinmaya	20MQ1A0412		
		Tummalagunta Tejaswai	20MQ1A0423		
2	20EC05	Dasari Vineela	20MQ1A0406	Y R K Paramahamsa	IoT based health tracking shoe for elderly people using giant monitoring system
		Nunna Vijaya Lakshimi	20MQ1A0417		
		Chinta Viraj	20MQ1A0430		
		P Naga Sai Satyanarayana	20MQ1A0444		

3	20EC07	Chirivella Hari Prasad	20MQ1A0431	K Sai Sudheer	LPG gas leakage detection and avoidance system
		Parasa Swathi	20MQ1A0418		
		Kolukula Hemanth	20MQ1A0438		
		P Pardha Raja Sri Sweaphak	20MQ1A0443		
4	20EC08	P Yamini Jyothi	20MQ1A0420	K Sowmyasri	Accident detection and alert system
		Ch Naga Rajesg	21MQ5A0407		
		P M Sai Kumar	20MQ1A0446		
		R V Nandini	20MQ1A0421		
5	20EC09	J Reshma Sai	20MQ1A0410	N Nagaraju	Automated driver drowsiness system
		VVyshnavi	20MQ1A0425		
		G G V Sai Naga Raju	20MQ1A0433		
		B Sitharam	20MQ1A0429		
6	20EC10	Kodati Karthik	20MQ1A0436	P Jyothi	IoT based smart accident detection and insurance claiming
		Mannem Swami	20MQ1A0441		
		A Sai Dinesh	20MQ1A0428		
		M Sai Kumar	20MQ1A0442		
7	20EC11	Yarlagadda Lavanya	20MQ1A0426	M Sivaji	development of voice - controlled intelligence wheel chair by using arduino
		Ch Sai Krishna	20MQ1A0432		
		Arja Usha Rani	20MQ1A0402		
		V Pavan Kumar	20MQ1A0450		
8	20EC13	D Venkata Kalki	20MQ1A0407	C Pakkiraiah	Design of logic gates using reversible gates with reduced quantum cost
		E N Venkata Ratna Kinnera	21MQ5A0403		
		A Vamsi Priya	20MQ1A0401		
		A N S Pavan Kumar	21MQ5A0406		
9	20EC14	Kode Sahitya Naga Divya	20MQ1A0413	S Rajeswari	Design of high power performance casacadable full adder architecture
		Sunkara Hema Kumari	20MQ1A0422		
		RVenkata Sai Krishna	20MQ1A0447		
		Kokkera Siva Naga Chandra	20MQ1A0437		
10	20EC15	L J Navya Sri	20MQ1A0465	Dr.N Vijaya Ratnam	UAV- ground communication links performance analysis under marine time environment
		A Resbhma	20MQ1A0456		
		A Kamal Khan	20MQ1A0476		
		G Ishwarya	20MQ1A0459		

11	20EC16	B. T Devi	21MQ5A0410	Dr. K Murali Babu	Smart phone automation using google assistant
		E Kusuma Sri	20MQ1A0458		
		A Teja Kalakanda	20MQ1A0477		
		P Pawan Kalyan	20MQ1A0496		
12	20EC19	T Chinna Kalyani	20MQ1A0470	Y R K Paramahamsa	IoT based automatic shed system to prevent unwanted rains for growing crops
		M Lidhin Kumar	21MQ1A0416		
		V Bhargavi	20MQ1A0473		
		G Somendra Pawan	20MQ1A0486		
13	20EC22	SUHASINI AKURI	21MQ5A0409	K Sowmyasri	Automatic agricultural robot
		Goli Mahesh	21MQ5A0417		
		Palanki Kanaka Durga	20MQ1A0462		
		Kuthada Bhanu Prakash	20MQ1A0491		
14	20EC25	Kunapareddy Bhanu Sri	20MQ1A0464	M Sivaji	Development of voice controlled wheel chair using rasberry pi
		V Manikanta Kumar	20MQ1A04A2		
		Savihah Kehkashan	20MQ1A0469		
		Matti Koti Bala Ganesh	20MQ1A0492		

F. Evidences of papers published /Awards received by projects etc. (2)

Summary of Best Projects

The university will appoint an examiner to inspect all the prototypes developed by students as part of their 4th year 2ndsemester project work and identify the three best projects from each section and every year

Figure 2.2.3.1:List of 3 Best Projects IV-II in the Academic Year 2023-24

Figure 2.2.3.2.List of 3 Best Projects IV-II in the Academic Year 2023-23

List of Paper Publications The list of paper publications by student's project outcomes of the academic year 2021-22.

S.No	Author Name	Title of The Paper	Journal Name & Publisher Name	Vol. No., Issue No., Page No. & Date	ISBN/ISSN No (On Line & Print)	Link
1	M.Suneel	Drowsiness And Alcohol Detection With Alarm System	IJIRSET	Volume 10,Issue 6	2319-8753	https://www.ijirset.com/upload/2022/june/319_A6_NC1.pdf (https://www.ijirset.com/upload/2022/june/319_A6_NC1.pdf)
2	Dr.B.Raghavaiah	Design And Implementation Of Vehicle Theft Detection Using Iot	IJIRSET	Volume 10,Issue 6	2319-8753	http://www.ijirset.com/upload/2022/june/324_Design_NC.pdf (http://www.ijirset.com/upload/2022/june/324_Design_NC.pdf)
3	Dr.A.P.Ramesh	Android Controlled Spy Roboot With Night Vision Camera	IJIRCCE	Volume 10,Issue 6	2320-9801	https://ijircce.com/get-current-issue.php?key=MTMz (181 to 183) (https://ijircce.com/get-current-issue.php?key=MTMz)
4	M.Suneel	Smart Jacket For Industrial Employees	IJIRCCE	Volume 10,Issue 6	2320-9801	https://ijircce.com/get-current-issue.php?key=MTMz (181 to 183) (https://ijircce.com/get-current-issue.php?key=MTMz)
5	B.Sujatha	Design And Implementation Of Free Space Optical Communication System Using Harware	IJAREEIE	Volume 12,Issuee6	2278-8875	http://www.ijareeie.com/upload/2022/june/52_Design_NC.pdf (http://www.ijareeie.com/upload/2022/june/52_Design_NC.pdf)
6	Dr.M.Ranga Rao	TRACKING SYSTEM USING Lora TECHNOLOGY	IJIRCCE	Volume 12,Issuee6	2582-7219	http://www.ijmrset.com/upload/78_Tracking_NC.pdf
7	Dr.M.Ranga Rao	Design Of Ganana Yantram Using Arduino	IJIRCCE	Volume 10,Issue 6	2320-9801	http://www.ijmrset.com/upload/78_Tracking_NC.pdf
8	K.Sai Sudheer	Monitoring And Detection Of Railway Track Cracks	IJIRCCE	Volume 10,Issue 6	2320-9801	https://www.ijirset.com/upload/2022/june/325_Vehicle_NC.pdf (https://www.ijirset.com/upload/2022/june/325_Vehicle_NC.pdf)

List of Paper Publications The list of paper publications by student's project outcomes of the academic year 2022-23.

S.No	Author Name	Title of The Paper	Journal Name & Publisher Name	Vol. No., Issue No., Page No.	ISSN/ISBN	Link

1	Mr. M Suneel	Drivers Drowsiness and Alcohol Detection with Alarm System	IJIRSET	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/319_A6_NC1.pdf (https://www.ijirset.com/upload/2022/june/319_A6_NC1.pdf)
2	Dr.B. Raghavaiah	Design and Implementation of Vehicle Theft Detection Using IoT	IJIRSET	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf (https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf)
3	Dr.Ramesh A.P	Android Controlled Spy Robot with Night Vision Camera	IJIRSET	Volume 10, Issue 6, June 2022	2320-9798	https://ijarasem.com/admin/img/19_Android.pdf (https://ijarasem.com/admin/img/19_Android.pdf)
4	Mr.M.Suneel	Smart Jacket for Industrial Employees	IJIRSET	Volume 10, Issue 6, June 2022	2320-9798	https://www.ijircce.com/get-current-issue.php?key=MTMz (https://www.ijircce.com/get-current-issue.php?key=MTMz)
5	Mrs.B.Sujatha	Design and Implementation of Free Space Optical Communication System Using Hardware	IJIRSET	Volume 11, Issue 6, June 2022|	2320 – 3765	https://www.ijareeie.com/volume-11-issue-6 (https://www.ijareeie.com/volume-11-issue-6)
6	Dr.M. Ranga Rao	Tracking System using LoRa Technology	IJMRSET	Volume 5, Issue 6, June 2022	2582-7219	https://www.ijmrset.com/upload/78_Tracking_NC.pdf (https://www.ijmrset.com/upload/78_Tracking_NC.pdf)
7	Mr.K.Pithamber	Advanced Footstep Power Generation System Using RFID for Charging	IJIRCCE	Volume 10, Issue 6, June 2022	2320-9798	https://www.ijircce.com/get-current-issue.php?key=MTMz (https://www.ijircce.com/get-current-issue.php?key=MTMz)
8	Dr. B. Raghavaiah	IoT Based Saline Level Monitoring System	IJIRCCE	Volume 10, Issue 6, June 2022	2320-9798	https://ijircce.com/admin/main/storage/app/pdf/MtSFGznXCl6lb6mD3TDHOhGpBkHUSnqVhpPKlY7i.pdf (https://ijircce.com/admin/main/storage/app/pdf/MtSFGznXCl6lb6mD3TDHOhGpBkHUSnqVhpPKlY7i.pdf)
9	Miss.Naga Divya Bhargavi Kommineni	Detection of Fire Using color Image Processing Technique	IJIRSET	Volume 11, Issue 6, June 2022|	: 2320-6710	https://www.ijirset.com/upload/2022/june/317_A1_NC1.pdf (https://www.ijirset.com/upload/2022/june/317_A1_NC1.pdf)
10	Dr.M. Ranga Rao	Development of Smart Medicine Box Using Raspberry Pi PICO	IJIRSET	|Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/320_Development%20_NC.pdf (https://www.ijirset.com/upload/2022/june/320_Development%20_NC.pdf)

11	Dr.KPRR.Raju.	Accident Detection and Tracking of Vehicle	IJIRSET	|Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/321_Accident%20_NC.pdf (https://www.ijirset.com/upload/2022/june/321_Accident%20_NC.pdf)
12	Dr. K.P R Ratna Raju	IoT Based Weather Monitoring System	IJIRSET	|Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/318_NC1.pdf (https://www.ijirset.com/upload/2022/june/318_NC1.pdf)
13	Mrs. B. Sujatha	Speaking Mute People Using Hand Gestures	IJIRCCE	Volume 10, Issue 6, June 2022	2320-9798	https://www.ijircce.com/get-current-issue.php?key=MTMz (https://www.ijircce.com/get-current-issue.php?key=MTMz)
14	Mr. N. Chandrasekhar	Vehicle Anti-Theft and Cloud Based Tracking System	IJIRSET	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/325_Vehicle_NC.pdf (https://www.ijirset.com/upload/2022/june/325_Vehicle_NC.pdf)
15	Dr. N. Vijaya Ratnam	Design And Implementation Of Visible Light Communication System	IJIRSET	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/doc.html (https://www.ijirset.com/upload/2022/june/doc.html)
16	Dr.N. Vijaya Ratnam	Design And Implementation Of Under Water Optical Communication System	IJIRSET	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/doc.html (https://www.ijirset.com/upload/2022/june/doc.html)
17	Mr. J.Jyothi Swaroop	Development Of Soldiers Tracking And Health Monitoring System	IJIRSET	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf (https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf)
18	Dr .B. Raghavaiah	Design And Implementation Of Vehicle Theft Detection Using Iot	IJIRSET	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf (https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf)
19	Dr .B. Raghavaiah	Smart Highway Road Accidents Prevent Using Iot And Machine Learning Based Frame Work	NEUROQUANTOLOGY	Volume 20, Issue 11, SEPTEMBER 2022	2035-2045	https://www.academia.edu/91758478/Sensitivity_Comparison_of_Thick_Film_Gas_Sensor_using_Machine_Learning_Technique? auto=download (https://www.academia.edu/91758478/Sensitivity_Comparison_of_Thick_Film_Gas_Sensor_using_Machine_Learning_Technique? auto=download)
20	Dr .B. Raghavaiah	Sensitivity Comparison Of Thick Film Gas Sensor Using Machine Learning Technique	NEUROQUANTOLOGY	Volume 20, Issue 6,JUNE 2022	7803-7812	https://www.academia.edu/91758478/Sensitivity_Comparison_of_Thick_Film_Gas_Sensor_using_Machine_Learning_Technique? auto=download (https://www.academia.edu/91758478/Sensitivity_Comparison_of_Thick_Film_Gas_Sensor_using_Machine_Learning_Technique? auto=download)

21	Dr .B. Raghavaiah	Dual Band Microstrip Patch Antenna For 3.5ghz And 5.8 Ghz For Wire Less Application	JAC	Volume XV,Issue IX,September 2022	0731-6755 https://jctjournal.com/volume-15-issue-ix-september-2022 (https://jctjournal.com/volume-15-issue-ix-september-2022)
22	Dr .B. Raghavaiah	T-Shaped Micro Strip Patch Antenna Using Dielectric Resonator Technique For Ultre Wide Band Frequency	JAC	Volume XV,Issue X,October 2022	0731-6755 https://jctjournal.com/volume-15-issue-x-october-2022 (https://jctjournal.com/volume-15-issue-x-october-2022)
23	Dr .B. Raghavaiah	DESIGN OF Cu-DOPED Sno_2 THICK – FILM GAS SNSOR FOR METHANOL USING ANN TECHNIQUE	SPRINGER	INTELLIGENT SYSTEM DESIGN	pp207-215 https://ouci.dntb.gov.ua/en/works/lRdDnQM7/ (https://ouci.dntb.gov.ua/en/works/lRdDnQM7/)
24	Mr.M.SUNEEL	Iot BASED SOUND AND AIR POLLUTION SYSTEM USING RASPBERRY PI PICO	IJRSET	Volume 12,Issue3, MARCH 2023	2347-6710 https://www.ijirset.com/upload/2023/march/123_IOT1.pdf (https://www.ijirset.com/upload/2023/march/123_IOT1.pdf)
25	Mr.Y.R.K. Paramahamsa	Design Of Area Efficient Prbg Agrihitecture Using Square Root Carry Select Adder	IJIRCCE	Volume 11,Issue3, MARCH 2023	2320-9798 https://www.ijircce.com/get-current-issue.php?key=MTQy (https://www.ijircce.com/get-current-issue.php?key=MTQy)
26	Mr.Y.R.K. Paramahamsa	Solar Based Smart Electric Fence With Automatic Irrigation	IJAEMA	Volume XV Issue iv, April 2023	0886-9367 https://ijaema.com/index.php/volume-xv-issue-iv-april-2023/ (https://ijaema.com/index.php/volume-xv-issue-iv-april-2023/)
27	Mr.J.J. Swaroop	Smart Anti Theft Atm Security System Using Raspberrypi	IJIRCCE	Volume11, issue 3,MARCH 2023	2320-9801 https://www.ijircce.com/get-current-issue.php?key=MTQy (https://www.ijircce.com/get-current-issue.php?key=MTQy)
28	Miss.K. Divya Bhargavi	A Reliable Approach To Secure Data Using Cryptosystem	IJAREEIE	Volume 12 ,Issue 4, April 2023	2320-3765 https://www.ijareeie.com/upload/2023/april/7_A%20Reliable_NC.pdf (https://www.ijareeie.com/upload/2023/april/7_A%20Reliable_NC.pdf)

						List of Paper
29	Mr.N.Nagaraju	Implementation Of Home Automation And Health Monitoring System	IJAEMA	Volume XV,Issue III,MARCH 2023	0886-9367 https://ijaema.com/index.php/volume-xv-issue-iii-march-2023/ (https://ijaema.com/index.php/volume-xv-issue-iii-march-2023/)	
30	Mrs.K.Sowmya Sri	Sorting Network Generated Quick Binary Counters And Compressors	IJMRSETM	Volume 10 ,Issue 4, April 2023	2395-7639 https://ijaema.com/index.php/volume-xv-issue-iii-march-2023/ (https://ijaema.com/index.php/volume-xv-issue-iii-march-2023/)	
31	Mr.N.Nagaraju	Qca Based Cost Efficient Code Converters With Temperature Stability	Rb Journal Of Lib & Information Science	Volume 13 ,Issue 3, 2023	0972-2750 https://journal-editor.org/alldocuments/66124.pdf (https://journal-editor.org/alldocuments/66124.pdf)	
32	Mrs.P.Jyothi	Design And Implementation Of Iot Based Garbage Collection And Monitoring System Using Raspberry Pi	Rb Journal Of Lib & Information Science	Volume 13 ,Issue 3, 2023	0972-2750 https://journal-editor.org/alldocuments/66124.pdf (https://journal-editor.org/alldocuments/66124.pdf)	
33	Mrs.P.Jyothi	Smart Security System Using Raspberry Pi	IJAREEIE	Volume 12 ,Issue 3, 2023	2320-3765 https://www.ijareeie.com/upload/2023/march/8_Smart_NC.pdf (https://www.ijareeie.com/upload/2023/march/8_Smart_NC.pdf)	
34	Mr.M.Sivaji	Design And Development Of Fire Safety & Alerting System	IJIRSET	Volume 12 ,Issue 3, 2023	2319-8753 https://www.ijirset.com/upload/2023/march/65_Design_NC.pdf (https://www.ijirset.com/upload/2023/march/65_Design_NC.pdf)	
35	Mr.C.Pakkiraiah	Skin Disease Detection Using Image Processing	IJIRCCE	Volume 11,Issue 3,March 2023	2320-9801 https://www.ijircce.com/get-current-issue.php?key=MTQy (https://www.ijircce.com/get-current-issue.php?key=MTQy)	
36	Mr.M.Sivaji	Smart Bpm Monitoring System Using Raspberry Pi	JMRSETM	Volume 10,Issue 4, April 2023	2395-7639 https://www.ijirset.com/ (https://www.ijirset.com/)	

Publications The list of paper publications by student's project outcomes of the academic year 2023-24.

S.No	Author Name	Title of The Paper	Journal Name & Publisher Name	Vol. No., Issue No., Page No. & Date	ISBN/ISSN No (On Line &Print)	Link

1	Mr.K. Sai Sudheer	A Reliable And High Speed T Compute Sram Design With Dual-Split-Vdd Assist And Bit Line Leakage Compensation	JNAO	Vol. 15 Issue1 2024	1906-9685	https://jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June%20:%202024/351_online.pdf (https://jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June%20:%202024/351_online.pdf)
2	Dr. K Murali Babu	Voice Contolled Home Automation Sysytem	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
3	Mrs.K.Sowmya Sri	Automatic Agriculture Robot	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
4	Dr.C. Pakkiraiah	Designand Implementation Of Low Power Baugh-Wooley Multiplier Using Reversible Circuits	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
5	Mrs.Karuna Gone	Design & Analysis Of Multi Clocked Pipelined Processor Based On Risc-V	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
6	Mr. D. Sridhar	Low-Power Redundant-Transition-Free Tspc Dual-Edge-Triggering Flip-Flop Using Single-Transistor-Clocked Buffer	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
7	Dr. Dr. N Vijaya Ratnam	Li-Fi Or Vlc Based Indoor Localization Using Machine Learning	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
8	Mrs.P Jyothi	Iot Based Smart Accident Detection And Insurance Claiming System	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)

9	Mr.P. Srikanth	Fingerprint Based Electronic-Voting Machine	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
10	Mrs.S.Rajeswari	Design Low Power Performance Proposed Full-Adder Architecture	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
11	Mr.M. Suneel	Design And Implementation Of Area-Optimized Aes Algorithm Using Pipeline Technology	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
12	Mr. D. Sridhar	Cascode Cross-Coupled Stage High-Speed Dynamic Comparator In 65 Nm Cmos	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
13	Mr.J. Jyothi Swaroop	Design A High Speed Lf Based Montgomery Multiplier For Security Applications	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
14	Mrs.K. Sowmya Sri	Accident Detection And Alert System	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
15	Mr.J. Jyothi Swaroop	Design A High Speed Lf Based Montgomery Multiplier	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
16	Mr.Y.R.K.Paramahamsa	Iot Based Automatic Shed System To Prevent Unwanted Rain Sensor For Growing Crops	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
17	Mr.N.Nagaraju	Design Of High Efficient And High Speed Parallel Prefix Multiplier	JNAO	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)

18	Mr.Mudunuru Suneel	Iot Basedsound And Air Pollution System Using Raspberry Pi Pico	IJIRSET	Vol. 11,Issue6	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
19	Mrs.K. Sowmya Sri	Efficient Error Detection Structure For Linear Feed Back Shift Register	IJIRSET	Vol. 12,Issue2	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
20	Mr.N.Nagaraju	Implementation Of Home AutomationAnd Healthmonitoring System Using Raspberry Pi	IJIRSET	Vol. 11,Issue6	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
21	Miss.K.Naga Divya Bhargavi	Gsm Based Multipurpose Uv-C Sterilizer	IJIRSET	Vol. 11,Issue6	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
22	MR.Mudunuru Suneel	Lfsr Based Multi Layered Cryptography For Security Enhancement	IJIRSET	Vol. 12,Issue2	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
23	Miss.K.Naga Divya Bhargavi	Gsm Based Multipurpose Uv-C Sterilizer	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
24	Mrs.B.Sujatha	Face Recognition System Using Open Cv For Smart Attendance	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
25	Mr.Mudunuru Suneel	Lfsr Based Multi Layered Cryptography For Security Enhancement	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)

26	Mr.J.J.Swaroop	Smart Anti Theft Atm Security System Using Raspberrypi	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
27	MrS.Mrs.P.Jyothi	Smart Security & Control Using Raspberry Pi	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
28	Mrs.B.Sujatha	Controlling And Monitoring Home Appliances With Whats App Mesenger	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
29	Mr.Y.R.K. Paramahamsa	Design Of Area Efficient Prbg Architecture Using Suqare Root Carry Select Adderr	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
30	Mr.N.Nagaraju	Qca Based Cost Efficient Code Convers With Temperature Stability	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
31	Mrs.Mrs.P.Jyothi	Design And Implementation Of Iot Based Garbage Collection And Monitoring System Using Raspberry Pi	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)

32	Dr.B.Raghavaiah	Reducing Overload Inb Router With Advanced Fifo Based Memory Units Using Fpga Technology	IJAEMA	Volume XV,Issue II,FEBRUARY 2023	0886-9367	https://ijaema.com/ (https://ijaema.com/)
33	Dr.B. Raghavaiah	A Novel Architecture For Multiplier And Accumulator Unit By Using Hybrid Parallel Prefix Brent Kung Adder	IJAEMA	Volume XV,Issue II,FEBRUARY 2023	0886-9367	https://ijaema.com/ (https://ijaema.com/)
34	Dr.B. Raghavaiah	Design Of Medicine Box Using Iot	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)

Figure.2.2.3.5. Demonstrations of Projects

2.2.4 Initiative related to industry interaction (15)   Institute Marks : 15.00

Initiatives Related To Industry Interaction

A. Industry supported laboratories (5)

With the focus on skill and industry professionals, the institute established an e-Yantra centre in collaboration with IIT Bombay, a lab with a total area of 90 Sq Mts (Room No: B1-008) having hardware and software & Virtual Labs (Room No: B1-309) in collaboration with College of Engineering, Pune (CoEP), Sponsored by MHRD. On an average, each student undergoes 40 hours of training oriented to skill development.

Table 2.2.4.1: List of Industry Supported Laboratories

S. No	LAB Room No	Name of the Laboratory	Name of the Organization/ Industry
1	B1-008	e-Yantra Lab	In collaboration with IIT- Bombay, Sponsored by MHRD
2	B1-309	Virtual Labs	In collaboration with College of Engineering, Pune (CoEP), Sponsored by MHRD

B. Industry involvement in the program design and partial delivery of any regular courses for students (5)

The following are the Industry MOUs of ECE Department during the last three assessment years.

Table 2.2.4.2: List of Industry MOUs

S.No	Name of the Industry	MOU Duration
1	Co Cubes Technologies	01/11/2015 to 31/10/2024
2	Eduskills	12/06/2020 to 12/06/2026
3	Chip Electronics, Vijayawada	10/7/2020 to 9/7/2023 & 9/7/2023 to 8/7/2026
4	BIST, Pvt. Ltd., Amaravati	20/10/21 to 19/10/2024 & 19/10/24 to 18/10/27
5	KITS CART, Research Labs Pvt. Ltd., Hyderabad	12/12/2021 to 11/12/2024 & 11/12/2024 to 10/12/2027
6	ExcelR Solutions, Bengaluru	17/5/2023 to 16/5/2026
7	Alphappleton Innovations Pvt. Ltd., Visakhapatnam	16/2/2019 to 15/2/2022

KITS CART
Research Labs Pvt. Ltd

MEMORANDUM OF UNDERSTANDING BETWEEN
KITS CART AND SRI VASAVI

12th December 2021

This Memorandum of Understanding (MOU) is entered into on this 12th December 2021 by **KITSCART REASRCH LABS PVT LTD, (KITSCART)** Hyderabad and between **SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, (SRI VASAVI),** NANDAMURU **(Electronics and Communication Engineering Department)**. KITSACART and SRI VASAVI agree that cooperation in research collaborations, workshops, Faculty development Programs and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institution. Such interaction may include cooperation in a variety of joint academic and educational activities such as:

- Joint research projects and publications, including work by undergraduate, graduate, and post-doctoral students at the partner institutions;
- Faculty and student exchanges based on reciprocity;
- Reciprocal placement of students in paid internships and co-ops, when possible;
- Joint conferences and workshops;
- Team taught courses, including online courses; and
- Visits by faculty, professional staff, and students.

The parties anticipate that a number of these initiatives will occur during the period of this MOU. However, neither party is obligated to agree to any

KITS CART RESEARCH LABS PVT LTD.

D-8, Eureka Court, Ameerpet // Opp Gayatri High School, LB Nagar, HYDERABAD

Figure 2.2.4.1: MOU with KITS CART, PVT LTD.
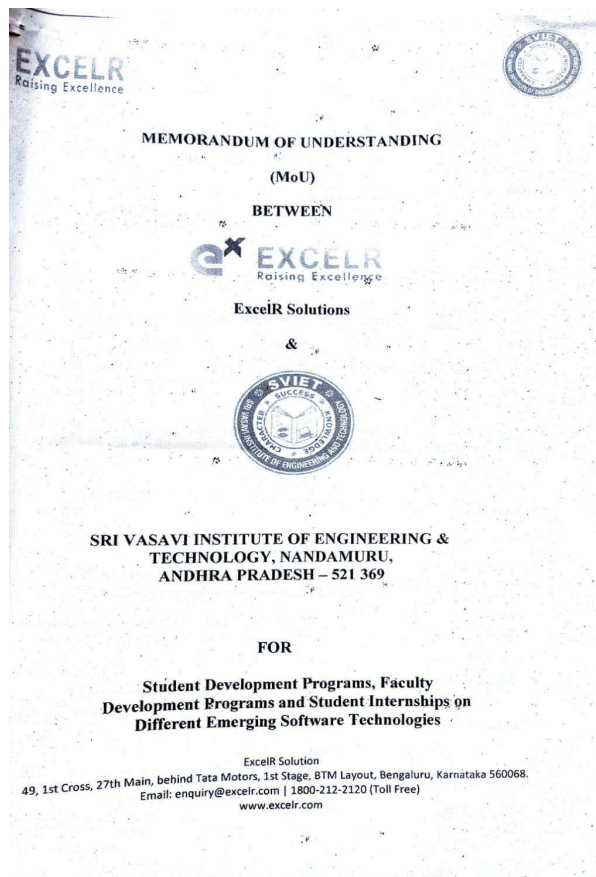
Figure 2.2.4.2: MOU with ExcelR Solutions.

The following are the events conducted during the last three assessment period with industry expert involvement in the delivery of the courses.

Table 2.2.4.3: List of Events Conducted During the Academic Year 2023-24

S. No	Name of the Value Added Courses	Resource Person Name	Company/ Institute Name	Date of Course	Relevant POs / PSOs Mapping
1	Training on **PCB Design & Circuit Simulation Using Proteus**	Mr. C Sudhakar, Embedded system developer	SAR e-solutions, Vijayawada	18.10.2023 To 19.10.2023	PO1, PO3, PO5, PO6, PO7, PO9, PO10, PO12

2	Lecture on Introduction to VLSI on IC Technology	Mr. Sampath Rayudu Adabala, Physical Design Engineer	Lemon Flip Solutions Pvt.Ltd.	02.11.2023	PO1, PO3, PO5, PO6, PO9, P10, PO12
3	Training on Embedded System Design	Mr. R Upendra Rao	BIST Pvt. Ltd., **Amaravati**	06/11/23 to 10/11/23	PO1, PO3, PO5, PO6, PO9, PO10, PO12
4	Lecture on Future of ECE	Mr. Teja B, Co-Founder and Director	Siliconous Technologies Pvt Ltd	18.11.2023	PO6, PO10, PO12
5	Lecture on Low Power VLSI Design	Mr. K. Pradeep Application Engineer	Apply Volt, Vijayawada	03.02.2024	PO1, PO3, PO5, PO6, PO9, PO10, PO12
6	Training on Artificial intelligence using raspberry pi	Mr. B Venkateswara Rao	KitsKart Pvt. Ltd	22/03/24 to 23/03/24	PO1, PO3, PO4, PO5, PO9, PO12
7	Training on Product Development for e-Yantra Competition	Mr. A Chandra Suresh	SVIET, Nandamuru	November2023 to March 2024	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12

Table 2.2.4.4: List of Events Conducted During the Academic Year 2022-23

S. No	Name of the Value Added Courses	Resource Person Name	Company/ Institute Name	Date of Course	Relevant POs / PSOs Mapping
1	Lecture on Global Positioning systems & it's Applications	Dr. V. Venkata Rao , Professor and HOD	NEC	24/06/2022	PO1, PO3, PO4, PO10, PO12
2	Lecture on Wireless Mesh Networks	Dr. B. Nancharaiah, Professor and HOD	Usha Rama College of Engineering and Technology, Telaprolu	24/06/2022	PO1, PO3, PO4, PO10, PO12

S. No	Name of the Value Added Courses	Resource Person Name	Company/Institute Name	Date of Course	Relevant POs / PSOs Mapping
3	Training on Product Development for e-Yantra Competition	Mr. A Chandra Suresh	SVIET, Nandamuru	APR 2022 to AUG. 2022	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12
4	Training on **PCB Design**	Dr. Sk Ashraf Ali, Sr. Executive Engineer	Chip-Electronics Pvt. Ltd., Vijayawada	17/10/22 & 18/10/22	PO1, PO2, PO3, PO5, PO6, PO7, PO9, PO10, PO12
5	Lecture on MAT Lab Programming	Dr. J Prasanth Kumar, Professor,	Ramachandra College of Engineering	12-12-2022	PO1, PO5, PO12
6	Two-Day Work Shop On Machine Learning	R Upendra Rao Sr. Executive engineer	BIST Pvt. Ltd., Vijayawada	23.03.2023 To 24.03.2023	PO1, PO3, PO5, PO6, PO9, PO10, PO12
7	Training on Verilog HDL	V Shivani	BIST Pvt. Ltd., Vijayawada	27-03-2023 to 29-03-2023	PO1, PO5, PO6, PO10, PO12
8	Lecture on Low Power VLSI Design	Mr. K. Pradeep Application Engineer	Apply Volt, Vijayawada	01-05-2023	PO1, PO3, PO10, PO12

Table2.2.4.5: List of Value Added Courses Conducted During the Academic Year 2021-22

S. No	Name of the Value Added Courses	Resource Person Name	Company/Institute Name	Date of Course	Relevant POs / PSOs Mapping
1	Training on IOT & its Applications	Mr. B Venkateswara Rao	KitsKart Pvt. Ltd	11/11/2021to 12/11/2021	PO1, PO3, PO5, PO6, PO9, PO10, PO12
2	Training on VLSI Design	V Shivani	BIST Pvt. Ltd., **Amaravati**	13/12/2021to 14/12/2021	PO1, PO3, PO5, PO6, PO9, PO10, PO12
3	Training on Machine Learning	S. JYOTHIRMAI	Alphappleton Innovations Pvt. Ltd., Visakhapatnam	08/02/2021 to 09/02/2021	PO1, PO3, PO5, PO6, PO9, PO10, PO12

C. Impact analysis of industry institute interaction and actions taken thereof (5)

- The effectiveness of this practice can be gauged by the great response of the participants. Students exposed to industrial application of concern courses.
- Due to this Vigorous Training, students got placed in more companies & got various prizes in National Level Competitions.

Team – SVIET (PHOENIX with 3 students from ECE department) got **first prize** in SIH Senior Software Edition category of **Smart India Hackathon- 2022 Competition @ SVCET, PUDUCHERRY**. Team PHOENIX received a Cash Prize of 1 Lakh Rupees.

Impact of the Interactions

- Students are professionally trained on VLSI, Verilog HDL, Embedded System Design (PO2, PO3, PO5, PO9)
- Students are trained with hands on session on IoT and its applications in electronic engineering, PCB Designing, MATLAB Fundamentals & Simulink (PO2, PO3, PO5, PO6, PO9).
- Students got more placements.

A. Y	No. of Companies Visited	No. of Companies Recruited	Avg CTC P.A	No. of Placements	No of Core Companies	No. of IT and ITES Companies	Higher Education Enrollment Details	Highest CTC in LPA
2021-22	2	22	3.46	101	05	17	0	5
2022-23	5	14	3.33	97	05	09	1	7.25
2023-24	4	16	3.02	55	06	10	1	4.2

2.2.5 Initiative related to industry internship/summer training (15)   Institute Marks : 15.00

Initiatives related to industry internship/summer training (15)

A. Industrial training/tours for students (3)

The students are encouraged to take internship program during their semester break.. The correspondence starts with different companies or industries in Andhra Pradesh and Telangana states. After obtaining permission from different companies, students are informed about their internships at those companies. Some students, out of their own interest, get permission from industries for internships. After verifying the profiles of such industries, students are permitted to go for internships.The internship coordinator helps the students by interacting with the industrial experts ,issuing recommendation letters to the students,and offering any other necessarysupport.

After the completion of the internship, the students give their feedback about the industry in which they underwent internship training. Based on the students feedback about the industries where the training is not satisfactory, students are not encouraged to apply for internships in those industries starting in the next academic year.

Industry tours offer students valuable practical experience, bridging theory with real-world application, enhancing soft skills like communication and teamwork, and providing insights into career paths and industry operations. Our Electronics & Communication Engineering Students have gone for industrial visit to various organizations.

- The students are encouraged to visit industries.
- Faculty members coordinate and give suggestions, guidelines and scope and contact details of an industry.
- They also help the students by interacting with the industrial experts, provide the students recommendation letters and other necessary supports.

Industrial Visits:

Table 2.2.5.1 Summary of Industrial Visits

S.No	Company Name	Date	Year Of Students
1	DDO, Vijayawada	17-10-2022	IV- ECE
2	AMTZ, Vizag	02-02-2023 to 06-02-2023	III-ECE
3	Hindustan Shipyard Limited, Vizag	03-02-2023 to 05-02-2023	III-ECE
4	AMTZ, Vizag	18/01/2024 to 22/01/2024	III-ECE
5	HAL, Bangalore	28/02/25 to 04/03/2025	III-ECE
6	Keynes Technologies, Mysore	28/02/25 to 04/03/2025	III-ECE

Fig 2.2.5.1 Glimpses of Industrial Visit to DDO, Vijayawada

B. Industrial /internship /summer training of more than two weeks and post training Assessment (4)

The following table shows total how many students are taking internships in various organizations in 2021-22

S.No	Organization	No. of Students attended	Duration(hrs)	PO
1	Kits cart	28	30	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11, PO12,PSO1,PSO2,PSO3
2	SKILL AP	02	30	
3	EDU SKILLS	23	60	

The following table shows total how many students are taking internships in various organizations for the year 2022-23:

S.No	Organization	No. of Students attended	Duration	PO
1	Great learning	4	1MONTH	PO1,PO2,PO3,PO4,PO5,PO6,PO8, PO9,PO10,PO11, PO12, PSO1,PSO2,PSO3
2	Kaggle	1	1MONTH	
3	Pantech E Learning	45	1MONTH	
4	Avanto Technologies	2	3MONTHS	
5	Besent Technologies	246	1MONTH	
6	Forage Technology solutions	103	1MONTH	
7	VERZEO	3	1MONTH	
8	GRRAS	1	2MONTHS	
9	AICTE-EDU SKILLS	23	3MONTHS	

The following table shows total how many students are taking internships in various organizations for the year 2023-24:

S.No	Organization	No. of Students attended	Duration	PO

1	Sri Shasha Prayathi Technologies PVT LTD	`195	1 MONTH	
2	Chip Electronics Training Institute	85	45 Days	
3	Edu Skills	65	3 MONTHS	
4	BEL Company,Machilipatnam	6	1 MONTH	
5	Wright tech software solutions	2	1 MONTH	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
6	ISO	1	2 MONTHS	
7	Juniper Network	7	1 MONTH	
8	AICTE-Eduskills	27	2 MONTHS	
9	KODNEST Technologies PVT LTD	15	2 MONTHS	
10	Paloalto cyber security	7	2 MONTHS	
11	BIST TECHNOLOGY PVT LTD	112	3 MONTHS	

C. Impact analysis of industrial training (4)

Impact of the Internship is as follows:
The internship had an impact on the students in the following aspects:

1.   Students gained innovative, technical ideas and Industry Standards from industry professionals (PO, PO2, PO3, PO5).

2.   The skills and abilities of students were improved (PO3, PO4, PO5, PO6, PO10).

3.   The confidence level of the students was boosted (PO9, PO10, PO12).

4.   The team spirit of the students was improved (PO9, PO10).

5.   Helped the students get an idea about their final project, apprenticeship after graduation, and job in the core sector (PO2, PO3, PO4, PO5, PO10, PO11 PO12).

Impact of the industrial visits is as follows:
1.   Students got familiarized with the industrial environment and the technical work, technologies involved, in products. The feedback of the students was found to be highly enthusiastic.

2.   The students were more motivated to learn the concepts with a practical perspective by correlating with the theoretical aspects already learnt.

3.   These visits helped the students in the execution of the projects. For instance, it also helped the students in executing projects in health and medical domains.

4.   Students will be able to get exposure to Real time Knowledge.

A. Y	No. of Companies Visited	No. of Companies Recruited	Avg CTC P.A	No. of Placements	No of Core Companies	No. of IT and ITES Companies	Higher Education Enrollment Details	Highest CTC in LPA
2021-22	2	22	3.46	101	05	17	0	5

2022-23	5	14	3.33	97	05	09	1	7.25
2023-24	4	16	3.02	55	06	10	1	4.2

D. Student feedback on initiative (4)

Sample Student Feedback Form

Name of the Topic:			
Department : ECE		Date(s):	
Name of the Student:			
Roll No. :			

S. No.	Item	Excellent	Very Good	Good	Poor
1	Is the industrial visit well organized?				
2	Is the topic relevant and useful?				
3	Expert proficiency and Delivery				
4	Response to queries by expert				
5	Any suggestions / improvements				
6	The industrial visit was a useful learning experience				

Sample Filled Industrial Visit Feedback Form

Sample Filled Internship Feedback Form

Sample Empty Industrial Visit Feedback form for Industrial Internship

SRI VASAVI
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An ISO 9001:2015 Certified Institute

Department of Electronics and Communication Engineering
Internship Feedback Report A.Y:23-24

S.No.	Name of the student	Name of the Industry	Period Internship	Whether your internship	As a result of internship	Are you given adequate	Are you provided levels of	Whether your supervisor	The work you performed	Whether it provided regular and sufficient	Did you receive sample opportunit	Do u feel you are better
1	Boomaheyina Dhana lakshmi	Bist Repositoriu	3 months	2	3	2	2	3	3	2	3	2
2	Charan	BIST	2months	3	3	3	3	3	3	3	3	3
3	Pamarthi Tejaswini	BIST	2 months	3	3	3	2	3	3	3	3	3
4	K.vidhya	Bist	2 months	2	2	2	1	2	3	2	1	1
5	Shaik Khamar Mohammad	BIST	Jan-Apr	3	3	3	3	3	3	3	3	3
6	Hemalatha Busanaboyina	BIST	3 months	2	2	3	2	2	3	2	3	2
7	Yarramsetti Niharika Sri	Bist	2-3sem	3	3	3	3	3	3	3	3	3
8	S.chetan pavan	B.tech	6 months	1	1	1	1 -	1	1	1	1	1
9	Patti Bindu pavani	BIST	180 hours	3	3	3	3	3	3	3	3	3
10	Chandana saikeerthi	Bell	180 hours	2	3	2	2	2	2	2	2	3
11	METLA JYOTHSNA UMA VENKATA NAGA SAI	Sri Vasavi Institute of	180 hours	1	1	1	1	1	1	1	1	1
12	Metla jyothsin uma venkata Naga sai	BIST	180 hours	1	1	1	1	1	1	1	1	1
13	B.kavitha	BIST	180 hours	3	3	3	3	3	3	3	3	3
14	Kovvuri venkata padmavathi	BIST	180hrs	3	3	3	3	3	3	3	3	3
15	Bandaru charishma Keerthi	BIST	180 hours	3	3	3	2	2	2	3	2	3
16	M.N.S.Greeshma	BIST	180 hours	3	3	3	3	3	3	3	3	3
17	k.nagarjuna	Bist	180 hours	3	3	3	2	2	2	2	2	3
18	Devarakonda Naga venkata	Bist	180hours	1	1	1	1	1	1	1	1	1
19	SARAKANAM RAJESH	BIST	180 hours	3	3	3	3	3	3	3	3	3
20	P.Gayathri	BIST	180	3	3	2	3	3	3	3	3	3
21	Jalluri Komalika	BIST	180 hours	3	3	3	3	3	3	3	3	3
22	Yarramsetti Niharika Sri	Bist	180hours	3	3	3	3	3	3	3	3	3
23	Busam Pavani	BIST	180 hours	2	2	2	3	3	3	2	2	2
24	YALAVARTI KEERTHI	BIST	180 hours	3	3	3	3	3	3	3	3	3
25	Madivada anjali	BIST	180	3	3	3	3	3	3	3	3	3

61	Pamarthi venkat		180 hours	2	2	2	2	2	2	2	2	2
62	GUDIVADA SHARMILI	BIST	180 hours	3	3	3	3	3	3	2	3	3
63	GUDIVADA SHARMILI -	BIST	180 hours	3	3	3	3	3	3	3	3	3
64	JOGI SAI PUJITHA	BIST	180 hours	3	3	3	3	3	3	3	3	3
65	MANNEM MUTTESWARI	Bist	180 hours	1	1	1	1	1	1	1	1	1
66	Ede.sai.naga.Durga.Alekhya	Bist	180 hours	3	3	3	3	3	3	3	3	3
67	KAGITHA HEMA	BIST	180	3	3	3	3	3	3	3	3	3
68	PUPPALA ENEESHA	BIST	180 hours	1	1	1	1	1	1	1	1	1
69	PEDDAPALLI TANUJA	BIST	180 hours	1	1	1	1	1	1	1	1	1
70	Goriparthi supraja	Bill company	180 hours	2	2	2	2	2	2	2	2	2
71	Md Riyazur Rahaman	BIST	6	3	2	2	3	3	3	2	3	3

Signature of the incharge   Signature of the HoD

Feedback analysis Pie charts:

Whether your internship gave you realistic preview of the career field
74 responses

As a result of internship do you got a better understanding of concepts, theories, and skills of your course of study.
74 responses

Are you given adequate training or explanation of projects?
74 responses

Are you provided levels of responsibility consistent with your ability and was given additional responsibility as your experience increased?
74 responses

Whether your supervisor was available and accessible when you had questions/concerns?
74 responses

The work you performed was challenging and simulating?
74 responses

Sample Internship Certificates

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3 COURSE OUTCOMES AND PROGRAM OUTCOMES (120)   Total Marks 120.00

Define the Program specific outcomes

3.1 Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)   Total Marks 20.00

:

PSO1	Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing.
PSO2	Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.
PSO3	Able to identify problems in the society and solve by designing projects.
PSO4	Able to improve personality development life skills and make them to be industry ready

3.1.1 Course Outcomes(COs)(SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (5)   Institute Marks : 5.00

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

Course Name :		C2 11	Course Year :		2021-2022

Course Name	Statements
C2 11.1	Describe the fundamentals of semiconductor materials, PN Junction diode and their characteristics.
C2 11.2	Explain the operation of various special diodes and distinguish between their characteristics and also the operation of different types of rectifiers with and without filters.
C2 11.3	Describe the operation of different types of transistors in different configurations, FET'S and observe their characteristics.
C2 11.4	Analyze different types of transistors biasing and thermal stabilization techniques.
C2 11.5	Analyze the small signal low frequency different types of transistors BJT and FET amplifier models.

Course Name :		C2 22	Course Year :		2021-2022

Course Name	Statements
C2 22.1	Understand the structure of commercially available digital integrated circuit families.
C2 22.2	Learn the IEEE Standard 1076 Hardware Description Language (VHDL).
C2 22.3	Model complex digital systems at several levels of abstractions, behavioral, structural, and rapid system prototyping
C2 22.4	Analyze and design basic digital circuits with combinatorial logic circuits using VHDL.
C2 22.5	Analyze and design basic digital circuits with sequential logic circuits using VHDL.

Course Name :		C3 12	Course Year :		2022-2023

Course Name	Statements
C3 12.1	Determine E and H using various laws and applications of electric & magnetic fields
C3 12.2	Apply the Maxwell equations to analyze the time varying behavior of EM waves
C3 12.3	Gain the knowledge in uniform plane wave concept and characteristics of uniform plane wave in various media
C3 12.4	Calculate Brewster angle, critical angle and total internal reflection
C3 12.5	Derive and Calculate the expressions for input impedance of transmission lines, reflection coefficient, VSWR etc. using smith chart

Course Name :		C3 22	Course Year :		2022-2023

Course Name	Statements
C3 22.1	Demonstrate the IC Fabrication process and Design layouts of CMOS circuits.
C3 22.2	Apply basic circuit concepts and scaling techniques on CMOS.
C3 22.3	Design basic building blocks in Analog IC design.
C3 22.4	Design various CMOS logic circuits for design of Combinational logic circuits.

C3	22.5	Apply FPGA design systems and synthesis techniques

Course Name :		C4 11	Course Year :	2023-2024

Course Name		Statements
C4	11.1	Describe the basic elements of optical fiber communication link, structure, Propagation and transmission properties of an optical fiber.
C4	11.2	Describe the the different types of fibers and attenuation and dispersion losses in optical fibers
C4	11.3	Describe the types of fiber connectors for combining optical fibers and losses at fiber Joint
C4	11.4	Describe the principles of optical sources, optical detectors and power launching, coupling methods.
C4	11.5	Analyze the characteristics of optical fiber receivers

Course Name :		C4 21	Course Year :	2023-2024

Course Name		Statements
C4	21.1	Describe the abstract of the project.
C4	21.2	Collect the various information about various existing VLSI applications and differentiate them.
C4	21.3	Develop a design solution for a set of requirements for the parallel prefix multiplier.
C4	21.4	Implement and test the code of parallel prefix multiplier using xilinx.
C4	21.5	Describe the summary of the project and identify the impact of the project in the society.

3.1.2 CO-POmatrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 3rd to 8th semester) (5)

Institute Marks : 5.00

1 . course name : C211

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C211.1	3	2	2	2	1	-	-	-	-	2	-	2
C211.2	3	3	2	2	1	-	-	-	-	2	-	2
C211.3	3	2	2	2	1	-	-	-	-	2	-	2
C211.4	3	2	2	2	1	-	-	-	-	2	-	2
C211.5	3	2	2	2	1	-	-	-	-	2	-	2
Average	3.00	2.20	2.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00

2 . course name : C222

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C222.1	2	3	2	2	2	-	-	-	-	-	-	-
C222.2	2	3	2	2	2	-	-	-	-	-	-	-
C222.3	2	3	2	2	2	-	-	-	-	-	-	-
C222.4	2	3	2	2	-	-	-	-	-	-	-	-
C222.5	2	3	2	2	-	-	-	-	-	-	-	-
Average	2.00	3.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3 . course name : C312

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312.1	2	3	2	-	-	-	-	-	-	-	-	2
C312.2	2	3	2	-	-	-	-	-	-	-	-	-
C312.3	2	3	2	-	-	-	-	-	-	-	-	2
C312.4	2	3	2	-	-	-	-	-	-	-	-	-
C312.5	2	3	2	-	-	-	-	-	-	-	-	-
Average	2.00	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00

4 . course name : C322

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C322.1	2	2	3	-	2	-	-	-	-	-	-	3
C322.2	2	-	3	-	3	-	-	-	-	-	-	-

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C322.3	3	2	3	-	-	-	-	-	-	-	-	2
C322.4	3	-	2	-	2	-	-	-	-	-	-	-
C322.5	2	-	-	-	1	-	-	-	-	-	-	-
Average	2.40	2.00	2.75	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50

5 . course name : C411

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C411.1	3	2	-	-	-	-	-	-	-	-	-	2
C411.2	2	3	-	-	-	-	-	-	-	-	-	2
C411.3	2	2	-	2	-	-	-	-	-	-	-	2
C411.4	3	-	2	-	-	-	-	-	-	-	-	2
C411.5	3	2	2	-	3	-	-	-	-	-	-	2
Average	2.60	2.25	2.00	2.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00

6 . course name : C421

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C421.1	3	2	2	3	-	2	2	2	2	2	-	2
C421.2	-	2	3	3	3	2	2	2	3	2	2	2
C421.3	2	3	3	2	3	3	3	-	2	2	2	3
C421.4	2	2	2	2	3	2	2	2	1	2	3	2
C421.5	3	2	1	3	3	2	2	3	3	3	3	2
Average	2.50	2.20	2.20	2.60	3.00	2.20	2.20	2.25	2.16	2.16	2.50	2.16

1 . Course Name : C211

Course	PSO1	PSO2	PSO3	PSO4
C211.1	3	2	1	-
C211.2	3	2	1	-
C211.3	3	2	1	-
C211.4	3	2	1	-
C211.5	3	2	1	-
Average	3.00	2.00	1.00	0.00

2 . Course Name : C222

Course	PSO1	PSO2	PSO3	PSO4
C222.1	3	3	3	-
C222.2	3	3	3	-
C222.3	3	3	3	-
C222.4	3	3	3	-
C222.5	3	3	3	-
Average	3.00	3.00	3.00	0.00

3 . Course Name : C312

Course	PSO1	PSO2	PSO3	PSO4
C312.1	2	-	2	-
C312.2	2	-	3	-
C312.3	2	-	2	-
C312.4	2	-	1	-
C312.5	2	-	2	-
Average	2.00	0.00	2.00	0.00

4 . Course Name : C322

Course	PSO1	PSO2	PSO3	PSO4
C322.1	2	3	-	-
C322.2	2	3	-	-
C322.3	2	3	-	-

Course	PSO1		PSO2		PSO3		PSO4	
C322.4	2	⌄	3	⌄	-	⌄	-	⌄
C322.5	2	⌄	3	⌄	2	⌄	-	⌄
Average	2.00		3.00		2.00		0.00	

5 . Course Name : C411

Course	PSO1		PSO2		PSO3		PSO4	
C411.1	3	⌄	-	⌄	1	⌄	-	⌄
C411.2	3	⌄	-	⌄	-	⌄	-	⌄
C411.3	3	⌄	-	⌄	-	⌄	-	⌄
C411.4	3	⌄	-	⌄	-	⌄	-	⌄
C411.5	3	⌄	-	⌄	1	⌄	-	⌄
Average	3.00		0.00		1.00		0.00	

6 . Course Name : C421

Course	PSO1		PSO2		PSO3		PSO4	
C421.1	2	⌄	2	⌄	2	⌄	-	⌄
C421.2	2	⌄	2	⌄	2	⌄	-	⌄
C421.3	2	⌄	2	⌄	3	⌄	2	⌄
C421.4	2	⌄	3	⌄	-	⌄	2	⌄
C421.5	2	⌄	2	⌄	-	⌄	3	⌄
Average	2.00		2.17		2.33		2.33	

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

Institute Marks : 10.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	PO1	PO2	PO3	PO4	PO5	1	1	1.5	1.66	2.5	PO11	2
C112	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C113	1	2	2	PO4	PO5	2	2.5	PO8	PO9	PO10	PO11	PO12
C114	2.75	2.5	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C115	3	2	1	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C116	1	PO2	PO3	PO4	PO5	1.33	1.5	PO8	PO9	2.25	PO11	PO12
C117	2	2	PO3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	PO12
C118	3	2.8	2.5	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C121	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1

C122	3	2	PO3	1.5	PO5	PO6	PO7	PO8	1	PO10	PO11	PO12
C123	2.75	2.5	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C124	2.6	2.4	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C125	2.8	2.6	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2.4
C126	2.83	PO2	PO3	PO4	2	PO6	PO7	PO8	3	PO10	PO11	2
C127	3	2	1	PO4	PO5	PO6	PO7	PO8	2	2	PO11	3
C128	2	1	PO3	2	2	PO6	PO7	PO8	3	PO10	PO11	PO12
C129	1	PO2	1	PO4	PO5	2	2.5	PO8	PO9	PO10	PO11	PO12
C211	3	2.2	2	2	1	PO6	PO7	PO8	PO9	2	PO11	2
C212	2.4	2.4	2.33	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C213	2.2	2.2	PO3	PO4	2	PO6	PO7	PO8	2	PO10	PO11	PO12
C214	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C215	2	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C216	2	3	3	3	1.5	PO6	PO7	PO8	1	PO10	PO11	2
C217	3	2	2	1	3	PO6	1	1	1	1	1	2
C218	3	3	2	2	PO5	PO6	PO7	PO8	2	PO10	PO11	2
C219	2	2	PO3	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	2
C221	2	2	3	3	2.5	PO6	PO7	PO8	2	PO10	PO11	3
C222	2	3	2	2	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C223	3	2	PO3	PO4	1	3	PO7	PO8	PO9	PO10	PO11	2
C224	3	2	2	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2
C225	2.3	2.3	PO3	2.5	PO5	2.5	PO7	2.5	2.5	PO10	2	PO12
C226	3	PO2	2	PO4	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C227	3	PO2	2	1.5	2.5	PO6	PO7	PO8	2.66	PO10	PO11	2.5
C228	3	3	2	2	PO5	PO6	PO7	PO8	2	PO10	PO11	2
C229	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2	PO9	2	PO11	3
C22A	1	PO2	PO3	PO4	PO5	1	2	2	PO9	PO10	PO11	2
C311	3	2.4	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2
C312	2	3	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2
C313	2.8	2.6	2	PO4	3	PO6	PO7	PO8	PO9	PO10	PO11	2
C314	2	1.5	1	PO4	1	PO6	PO7	PO8	PO9	PO10	PO11	2
C315	2.8	2.6	3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2
C316	3	3	3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

C317	2	PO2	PO3	2	2	PO6	PO7	PO8	2	2	PO11	PO12
C318	1.8	2	2.25	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C319	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	2
C31A	3	3	3	3	3	3	3	3	3	3	3	3
C321	2.6	2.25	2	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	2
C322	2.4	2	2.75	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	2.5
C323	2.2	2	2	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C324	2.4	2	2	3	2.33	PO6	PO7	PO8	PO9	PO10	2	2
C325	2.2	2.5	2	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	2
C326	2.33	PO2	2.33	2	2.5	PO6	PO7	PO8	2.5	2	PO11	2.33
C327	3	PO2	2	PO4	3	PO6	PO7	PO8	PO9	1	PO11	3
C328	2.2	2	2	2	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C329	2	PO2	2	2	2	PO6	PO7	PO8	PO9	PO10	PO11	2
C32A	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2	PO9	3	PO11	PO12
C411	2.6	2.25	2	2	3	PO6	PO7	PO8	PO9	PO10	PO11	2
C412	2.4	2.4	PO3	1	PO5	1.67	PO7	PO8	PO9	3	PO11	2
C413	2.4	2.4	1.8	1.8	1.8	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C414	2	1	1.5	2	1.5	2	2	PO8	PO9	PO10	PO11	1.75
C415	2.6	2.4	2	PO4	1.67	1.67	PO7	PO8	PO9	PO10	PO11	1
C416	PO1	PO2	PO3	PO4	PO5	PO6	PO7	3	PO9	2	PO11	PO12
C417	3	3	3	3	3	3	3	3	3	3	3	3
C418	3	3	3	3	3	3	3	3	3	3	3	3
C421	2.5	2.2	2.2	2.6	3	2.2	2.2	2.25	2.17	2.17	2.5	2.17

3.1.3 - B Program level Course-PSO matrix of all courses INCLUDING first year courses   :

Course	PSO1	PSO2	PSO3	PSO4
C111	PSO1	PSO2	PSO3	2
C112	PSO1	PSO2	PSO3	PSO4
C113	PSO1	PSO2	PSO3	PSO4
C114	PSO1	PSO2	PSO3	PSO4
C115	PSO1	PSO2	PSO3	PSO4
C116	PSO1	PSO2	PSO3	2
C117	PSO1	PSO2	PSO3	PSO4

Print

C118	PSO1	PSO2	PSO3	PSO4
C121	PSO1	PSO2	PSO3	PSO4
C122	PSO1	PSO2	PSO3	PSO4
C123	PSO1	PSO2	PSO3	PSO4
C124	PSO1	PSO2	PSO3	PSO4
C125	PSO1	PSO2	PSO3	PSO4
C126	2	2	2	PSO4
C127	3	2	PSO3	PSO4
C128	PSO1	PSO2	PSO3	PSO4
C129	PSO1	PSO2	PSO3	PSO4
C211	3	2	1	PSO4
C212	3	1	PSO3	PSO4
C213	3	PSO2	2	PSO4
C214	PSO1	PSO2	PSO3	PSO4
C215	3	PSO2	1	PSO4
C216	PSO1	PSO2	PSO3	PSO4
C217	1	2	2	PSO4
C218	2	1	1	PSO4
C219	PSO1	PSO2	PSO3	PSO4
C221	2	PSO2	PSO3	PSO4
C222	3	3	3	PSO4
C223	2.8	PSO2	1.8	PSO4
C224	3	PSO2	2	PSO4
C225	PSO1	PSO2	3	PSO4
C226	2	2	2	PSO4
C227	2	2	2	PSO4
C228	2	1	1	PSO4
C229	PSO1	PSO2	PSO3	2
C22A	PSO1	PSO2	PSO3	PSO4
C311	3	PSO2	2.6	PSO4
C312	2	PSO2	2	PSO4
C313	3	1.5	1	PSO4
C314	PSO1	2	1	PSO4

C315	3	PSO2	PSO3	PSO4
C316	3	PSO2	3	PSO4
C317	3	1	1	PSO4
C318	3	PSO2	2.4	PSO4
C319	PSO1	PSO2	PSO3	PSO4
C31A	3	3	3	3
C321	PSO1	2.67	2	PSO4
C322	2	3	2	PSO4
C323	2	PSO2	2	PSO4
C324	2	3	2.4	PSO4
C325	3	PSO2	2	PSO4
C326	2.2	2.2	2.2	PSO4
C327	PSO1	2	2	PSO4
C328	2	PSO2	2	PSO4
C329	2.2	2.2	2.2	PSO4
C32A	PSO1	PSO2	PSO3	PSO4
C411	3	PSO2	1	PSO4
C412	3	PSO2	2	PSO4
C413	3	2	2	PSO4
C414	PSO1	2	3	PSO4
C415	3	PSO2	2	PSO4
C416	PSO1	PSO2	PSO3	PSO4
C417	3	3	3	3
C418	3	3	3	3
C421	2	2.17	2.33	2.33

3.2 Attainment of Course Outcomes (50)   Total Marks 50.00

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

Institute Marks : 10.00

A.List of Assessment processes (2)

Procedure for writing Cos: Faculty write CO's in Higher levels of Blooms Taxonomy to achieve Higher order thinking skills for all the courses and present to the committee,later gets accepted and audited by PAQIC Members during course file audit.All the faculty are encouraged to follow top down approach to write Cos .

S.NO	CO	COURSE OUTCOME	BL
1	C322.1	Demonstrate the IC Fabrication process and Design layouts of CMOS circuits.	Create
2	C322.2	Apply basic circuit concepts and scaling techniques on CMOS.	Apply
3	C322.3	Design basic building blocks in Analog IC design.	Create
4	C322.4	Design various CMOS logic circuits for design of Combinational logic circuits.	Create
5	C322.5	Apply FPGA design systems and synthesis techniques	Apply

Courses Out Comes	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P011	P012	PSO1	PSO2	PSO3	PSO4
C322 .1	2	2	3	-	2	-	-	-	-	-	-	3	2	3	-	-
C322 .2	3	-	3	-	2	-	-	-	-	-	-	2	2	3	-	-
C322 .3	3	2	3	-	-	-	-	-	-	-	-	2	2	3	-	-
C322 .4	3	-	2	-	2	-	-	-	-	-	-	-	2	3	-	-
C322 .5	3	-	2	-	2	-	-	-	-	-	-	2	2	3	2	3
AVG	2.8	2	2.6	-	2	-	-	-	-	-	-	2.25	2	3	2	3

The following Procedure is followed by the review committee to finalise the CO-PO Mapping.

Committee for finalizing CO, CO-PO Mapping

1.

2.

3.

4.

S.No	Year/ sem/ Branch	Name of Course	Faculty Name	Present ation date	No. of revisions to previous		Signature
					CO	CO-PO mapping	

B. The quality/relevance of assessment processes & tools used (8)

Procedure for Attainment of Cos
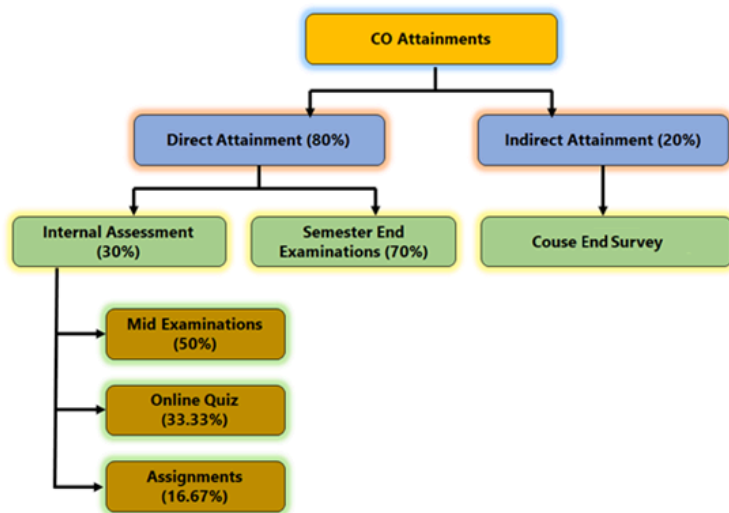
Procedure for COs Assessment:

Assessment Tools and Processes :

A. Course Outcome Assessment for Theory Courses

Assessment Methods	Weights		Final Course Outcome
Continuous Internal Examination	70%	80%	
Semester End Examination	30%		
Course End Survey (CO Feedback)	20%		

The attainment of course outcome (CO) is assessed through direct and indirect evaluations. The direct attainment is measured based on the performance of the students in the internal and external examinations. The Course end survey questionnaire is prepared by the Course instructor in consultation with the Program Coordinator. The indirect attainment is measured based on course end survey. The Course end survey questionnaire consisting of all course outcomes is distributed to the students at the end of everysemester.The Survey reports are assessed with a rating of 3 for excellent, 2 for Good, 1 for Poor.The average of the ratings obtained from course end survey will be taken on 3 points scale. By taking the weighted average of internal, external and course end survey the final co assessment is calculated.

For Theory & Mandatory Courses:

Direct Attainment for subjects:

S.No	Assessment Method	Marks Weightage
1	Mid	15(50%)
2	Assignment	5(10%)
3	Online	10(10%)
4	End Semester Exam	70(30%)

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Internal examinations. (Mid+Assignments+Quiz)	Twice per Semester	Examinations cell	Students scored >class average mark	3: >70% students 2: 50-60% students 1:40-50% students 0:<40% students	70%

University Examinations	Once per semester	Examinations cell	Students scored > class average mark	3: >60% students 2: 40-60% students 1: 20-40% students 0:<20% students	30%

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Name of the course: VLSI&D   Academic Year: 2023-24
Name of the Faculty: D.SRIDHAR   Year & Sem: III-II
Course Code: C322   Branch & Sec: ECE-A&B

S.No	Roll.No.	INTERNAL-1							INTERNAL-2							INTERI	GRADE
		Q1	Q2	Q3	Total	A	Q	Total	Q1	Q2	Q3	Total	A	Q	Total		
	Maximum Marks	5	5	5	15	5	10	30	5	5	5	15	5	10	30	30	
1	20MQ1A0401	5	5	5	15	5	4	24	4	4	4	12	5	2	19	23	E
2	20MQ1A0402	5	5	5	15	5	1	21	4	4	4	12	5	2	19	21	D
3	20MQ1A0403	5	0	5	10	5	1	16	5	5	2	12	5	3	20	20	F
4	20MQ1A0404	5	5	5	15	5	2	22	5	5	4	14	5	4	23	23	D
5	20MQ1A0405	0	0	0	0	5	A	5	5	5	4	14	5	4	23	20	C
6	20MQ1A0406	5	5	5	15	5	3	23	5	5	5	15	5	5	25	25	A+
7	20MQ1A0407	A	A	A	0	5	A	5	5	5	5	15	5	5	25	21	D
8	20MQ1A0408	5	5	5	15	5	3	23	4	5	5	14	5	5	24	24	D
9	20MQ1A0410	5	5	5	15	5	4	24	4	4	4	12	5	4	21	24	C
10	20MQ1A0411	5	5	5	15	5	3	23	4	4	3	11	5	4	20	23	F
11	20MQ1A0412	4	4	4	12	5	4	21	5	5	4	14	5	4	23	23	E
12	20MQ1A0413	4	5	5	14	5	3	22	5	5	5	15	5	4	24	24	D
13	20MQ1A0414	5	5	5	15	5	5	25	5	5	4	14	5	3	22	25	D
14	20MQ1A0415	A	A	A	0	5	A	5	4	5	5	14	5	7	26	22	B
15	20MQ1A0416	5	2	4	11	5	2	18	0	4	4	8	5	2	15	18	F
16	20MQ1A0417	4	2	4.5	10.5	5	2	18	5	5	5	15	5	3	23	22	D
17	20MQ1A0418	5	5	4	14	5	4	23	5	5	5	15	5	3	23	23	C
18	20MQ1A0419	4	4	4.5	12.5	5	4	22	5	3	5	13	5	2	20	22	E
19	20MQ1A0420	A	A	A	0	5	A	5	5	5	5	15	5	5	25	21	C
20	20MQ1A0421	1	0	0	1	5	2	8	5	4	4	13	5	3	21	19	E
21	20MQ1A0422	5	0	4	9	5	2	16	5	5	4	14	5	3	22	21	D
22	20MQ1A0423	2	0	0	2	5	2	9	4	5	2	11	5	3	19	17	E
23	20MQ1A0424	5	5	2	12	5	3	20	5	5	5	15	5	3	23	23	C
24	20MQ1A0425	5	4	4	13	5	2	20	5	5	3	13	5	3	21	21	D
25	20MQ1A0426	5	4	4	13	5	3	21	5	5	5	15	5	3	23	23	C

96	20MQ1A0492	A	A	A	0	5	A	5	1	0	0	1	5	AB	6	6	E
97	20MQ1A0493	5	5	4	14	5	4	23	3	3	3	9	5	3	17	22	F
98	20MQ1A0494	5	5	4	14	5	2	21	3	0	2	5	5	3	13	20	F
99	20MQ1A0495	5	5	5	15	5	5	25	0	3	2	5	5	3	13	23	F
100	20MQ1A0496	4	5	7	14	5	3	22	4	0	3	7	5	4	16	21	F
101	20MQ1A0497	5	5	5	15	5	3	23	4	0	2	6	5	AB	11	21	E
102	20MQ1A0498	4	5	4	13	5	3	21	3	0	0	3	5	6	14	20	D
103	20MQ1A04A0	4	4	4	12	5	3	20	5	5	5	15	5	7	27	26	D
104	20MQ1A04A2	4	4	4	12	5	2	19	4	5	4	13	5	5	23	23	D
105	20MQ1A04A3	5	5	5	15	5	3	23	2	2	1	5	5	5	15	22	E
106	20MQ1A04A4	5	5	4	14	5	2	21	4	3	1	8	5	5	18	21	D
107	21MQ5A0409	5	4	4	13	5	3	21	4	5	5	14	5	6	25	25	D
108	21MQ5A0410	4	4	3	11	5	2	18	5	4	5	14	5	6	25	24	C
109	21MQ5A0411	4	4	4	12	5	1	18	5	5	5	15	5	7	27	26	C
110	21MQ5A0412	5	5	5	15	5	2	22	5	5	5	15	5	4	24	24	C
111	21MQ5A0413	5	5	5	15	5	1	21	5	5	5	15	5	6	26	25	D
112	21MQ5A0414	5	5	5	15	5	5	25	5	5	5	15	5	6	26	26	C
113	21MQ5A0415	5	5	5	15	5	5	25	5	5	5	15	5	5	25	25	C
114	21MQ5A0416	2	5	5	12	5	4	21	5	5	5	15	5	5	25	25	C
115	21MQ5A0417	5	4	5	14	5	5	24	5	2	2	9	5	6	20	24	F
116	21MQ5A0418	5	5	5	15	5	5	25	4	5	5	14	5	3	22	25	D
Class Average		4.4	4.3	4.2	12.44	5	3.2	20	4	3.8	3.7	11.448	5	3.8	20.1	22.17	
above average		74	81	62	83	116	40	82	86	84	74	73	115	60	63	60	68
Students attempted		112	112	112	116	116	110	116	115	115	115	116	116	112	116	116	116
% students scored		66	72	55	71.55	100	36	71	75	73	64	62.931	99	54	54.3	51.72	58.62
Attainment level		2	3	2		3	1		3	3	2		3	1			2

CO	U1	U2	U3					U3	U4	U5			%of students	Internal	Univ Exam	Over all	Attained or Not
CO1	2				3	1							66	2	2	2	NO
CO2		3			3	1							72	2.333	2	2.23	YES
CO3			2		3	1		3			3	1	65	2.167	2	2.12	YES
CO4								3			3	1	73	2.333	2	2.23	YES

Indirect Attainment for subjects

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
CO Feedback	End of semester	Assessment committee coordinator	Average of entire class for each CO	Class Average on the scale of 1-3	100%

Overall course attainment = 0.8*Direct attainment+0.2*Indirect attainment.

Sample Course End Survey :

	Sri Vasavi Institute of Engineering and TechnologyNandamuru CourseEndSurvey		
ProgramName	B.Tech.in Electronics& Communication Engineering	AcademicYear:	2023-24
Class / Semester	II/I	Regulation:R20	
RatingScale:3-Excellent,2-Saticsfactory,1-Poor			
CourseCode	COStatement -ECA		Rating
C221.1	Analyze the amplifier circuits using small signal high frequency model		
C221.2	Analyze the different types of the coupled amplifiers and their performance characteristics		
C221.3	Describe and analyze the different types of feedback amplifiers.		
C221.4	Analyze and Design oscillator Circuits.		
C221.5	Analyze different types of power amplifiers and compare them in terms of efficiency		

B.Course outcomeAssessment for Laboratory courses

Assessment Methods	Weights		
Continuous Internal Examination	30%		Final Course Outcome
Semester End Examination	70%	80%	
Course End Survey	20%		

The attainment of course outcome is assessed through direct evaluations as follows:

The evaluation is done in two stages viz; continuous evaluation and end semester examination. The final marks awarded to a student are based on the following criteria.

- Continuous Evaluation (15marks)

  Internal Exam -5 marks

  Day to Day evaluation-5 marks

  Record -5 marks

- End Semester examination (35 marks)

Laboratories Direct method:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage

Internal Examination (Day to Day Evaluation + Record+Exam)	Once in Semester. (Day to day Evaluation & Record- During each lab session)	Lab Coordinator	Students scored > class average mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	30%
University Examinations	Once in Semester	University appointed Examiner	Students scored > class average mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	70%

Sample Lab Assement:

Indirect Method:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Lab Feedback	End of semester	Assessment committee coordinator	Average of entire class for each CO	Class Average on the scale of 1-3	100%

Overall course attainment = 0.8*Direct attainment+0.2*Indirect attainment.

Course End Survey (Lab):

	Sri Vasavi Institute of Engineering and Technology Nandamuru Course End Survey		
Program Name	B.Tech.in Electronics& Communication Engineering	Academic Year:	2023-24
Class / Semester	II/ii	Regulation:	R20
Course Code	CO Statement– Electronic Circuit Analysis Lab		Rating
C226.1	The ability to analyze and design single and multistage amplifiers at low, mid and high frequencies.		
C226.2	Designing and analyzing the transistor at high frequencies.		
C226.3	Designing the Oscillators using transistors		
C226.4	Determine the efficiencies of power amplifiers.		
C226.5	Able to Analyze all the circuits using simulation software and Hardware.		

C. Course outcome Assessment for Project Work & SRP:

As per curriculum, the students have to carry out a major project.Students are advised and encourage to identify their areas of interest in line with the recent research and development in the field of Mechanical Engineering. Projects are categorized based on their functional area and are assessed based on the content, quality, relevance and applicability. After categorizing, they will be mapped with program outcomes and programme specific outcomes and attainment levels are assessed. The marks for the individual members of the project group are awarded on the basis of evaluation done based on three presentations. The evaluation shall be done by a team of minimum three examiners including the project guide.

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Internal Reviews	Three reviews per Semester	Project Review Committee	Students scored > class average mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	12%
Day-to-day evaluation	During project execution (Thrice in week)	Project Guide	Batch marks	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	6%
External Viva	Once in Semester	University appointed Examiner	Students scored > class average mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	42%
Outcomes	End of Semester	Project coordinator	Count	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	40%

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PROJECT ATTAINMENTS
Department of Electronics and Communication Engineering
AY: 2023-24

NAME OF PROJECT : DESIGN OF HIGH SPEED FFT AND HIGH SPEED PARALLEL PREFIX MULTIPLIER

Name of the guide: N.Nagaraju, Asst.Prof   Batch Number: B9

S.NO.	Regd. No.	REVIEW 1 (15M)	REVIEW 2 (15M)	Guide (30M)	REVIEW 1 (15M)	REVIEW 2 (15M)	PRC Member (30M)	Total Internal (60M)	UNIVERSITY EXAMINATION GRADE
1	20MQ1A0430	15	15	30	15	14	29	59	S
2	21MQ5A0440	14	14	30	14	14	29	56	S
3	20MQ1A0442	14	15	27	14	13	27	54	S
4	20MQ1A0453	13	12	30	15	12	25	50	S
	Average Mark	14	13.5	29.25	14	13.25	27.25	54.75	S
	% Marks	93%	90%	9.2%	93%	100%	91%	91%	100%

CO Statement

CO1: Describe the abstract of the project
CO2: Collect the various information about various making VLSI applications and differentiate them
CO3: Develope the design solutions for a set of experiments
CO4: Implement and test the project code in SPICE/VERILOG in tools is useful to the society
CO5: Describe the necessary of the project and identify the impact of the project to the society
CO6: Demonstrate the project individual and/or group

D. Course outcome Assessment for COMMUNITY SERVICE PROJECT

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Internal Viva	Once in Semester	Internal Examiner	Students scored > class average mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0: <50%	100%

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT STATEMENT
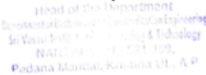
Name Of the Student: B.Eswara Govinda Rajulu
Programme of Study: B.Tech
Year of Study: 3rd Year
Group: ECE
Reg.No:20MQ1A0479
Name of the college: SVIET
University: JNTUK

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	20	10
2.	Community Service Project Implementation	30	15
3.	Mini Project Work	25	20
4.	Oral Presentation	25	20
	GRAND TOTAL	100	65

Date: 23/5/22

Signature of the Faculty Guide

Certified by

Date: 22/12/22

Signature of the Head of the Department/Principal
Seal:

Head of the Department
Instrumentation & Electronics Engineering
Sri Vasavi Institute of Engineering & Technology
NAAC ...
Pedana Mandal, Krishna Dt., A.P

E. Course outcomeAssessment for SUMMER INTERNSHIP

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
University Examinations	Once in Semester	University appointed Examiner	Students scored > class average mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	100%

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Course : Internship   A.Y:2023-24
Faculty: N.Nagaraju   YEAR:IV-I
COURSE : C418   ECE-A&B

Sl.NO	ROLL NUMBER	GRADE
1	20MQ1A0401	A
2	20MQ1A0402	A
3	20MQ1A0403	A+
4	20MQ1A0404	A
5	20MQ1A0405	A+
6	20MQ1A0406	A+
7	20MQ1A0407	A+
8	20MQ1A0408	A+
9	20MQ1A0410	A+
10	20MQ1A0411	A
11	20MQ1A0412	A+
12	20MQ1A0413	A
13	20MQ1A0414	A+
14	20MQ1A0415	A+
15	20MQ1A0416	A+
16	20MQ1A0417	A+
17	20MQ1A0418	A+
18	20MQ1A0419	A
19	20MQ1A0420	A
20	20MQ1A0421	A
21	20MQ1A0422	A
22	20MQ1A0423	A
23	20MQ1A0424	A+
24	20MQ1A0425	A+
25	20MQ1A0426	A+
26	20MQ1A0427	A
27	20MQ1A0428	A+
28	20MQ1A0429	A+
29	20MQ1A0430	A+
30	20MQ1A0431	A

109	21MQ5A0411	A+
110	21MQ5A0412	A+
111	21MQ5A0413	A+
112	21MQ5A0414	A+
113	21MQ5A0415	A
114	21MQ5A0416	A
115	21MQ5A0417	A
116	21MQ5A0418	A
Class Average Mark		**B**
No.of Students above average mark		**115**
No.of Students attempted the Exam		**116**
% students scored above avg		**99.14**
Attainment level		**3**

	Univ Exam
CO1	3
CO2	3
CO3	3
CO4	3
CO5	3
AVERAGE	**3**

CO1	Know comprehensions, generators in python
CO2	Know exception handling inpython
CO3	Know file I/O
CO4	Understand various data types like lists, tuples, strings etc
CO5	Know the usage of various pre-defined functions on the above data types

Rubrics:

>=70% studer level	3
51 to 69 studi level	2
<=50 % stude level	1

Faculty In-Charge

F. Course outcome Assessment for SKILL ORIENTED COURSES:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
University Examinations	Once in Semester	University appointed Examiner	Students scored > class average mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	100%

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COURSE: PPL   A Y 2023-24
Faculty: N Nagaraju   II =I
code:C219   ECE A&B

SI NO	ROLL NUMBER	GRADE
1	223 C1A0404	A
2	22MQ 1A0401	A+
3	22MQ 1A0402	A
4	22MQ 1A0403	A+
5	22MQ 1A0404	B
6	22MQ 1A0405	C
7	22MQ 1A0406	F
8	22MQ 1A0407	A
9	22MQ 1A0408	C
10	22MQ 1A0409	F
11	22MQ 1A0410	B
12	22MQ 1A0411	B
13	22MQ 1A0412	A+
14	22MQ 1A0413	A
15	22MQ 1A0414	D
16	22MQ 1A0415	F
17	22MQ 1A0416	A+
18	22MQ 1A0417	A
19	22MQ 1A0418	D
20	22MQ 1A0419	B
21	22MQ 1A0420	C
22	22MQ 1A0421	D
23	22MQ 1A0422	D
24	22MQ 1A0423	A+
25	22MQ 1A0424	A+
26	22MQ 1A0425	D
27	22MQ 1A0426	F
28	22MQ 1A0427	D
29	22MQ 1A0428	F
30	22MQ 1A0429	A+

109	23MQ5A0424	E
110	23MQ5A0425	C
111	23MQ5A0426	A
112	23MQ5A0427	B
113	23MQ5A0428	B
114	23MQ5A0429	A+
115	23MQ5A0430	A+
116	23MQ5A0431	A
117	23MQ5A0432	A
118	23MQ5A0433	B
119	23MQ5A0434	F
Class Average Mark		B
No.of Students above average mark		89
No.of Students attempted the Exam		119
% students scored above avg		74.79
Attainment level		3

	Univ Exam
CO1	3
CO2	3
CO3	3
CO4	3
CO5	3
AVERAGE	3

CO1	Know comprehensions, generators in python
CO2	Know exception handling inpython
CO3	Know file I/O
CO4	Understand various data types like lists, tuples, strings etc
CO5	Know the usage of various pre-defined functions on the above data types

Rubrics:

>=70% studer level	3
51 to 69 stude level	2
<=50 % stude level	1

Faculty In-Charge

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

Institute Marks : 40.00

Department of Electronics and Communication Engineering

CO Direct Attainments

Academic year: 2023-24 (Batch 2020-2024)

SI.No	COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	Overall Course
1	Commutative English	C111	2.15	2.15	2.15	2.27	1.92	2.13
2	Mathematics-1(Calculus)	C112	2.00	2.00	1.95	2.00	2.24	2.04
3	Applied Chemistry	C113	2.48	2.65	2.83	2.48	2.65	2.62
4	PPSC	C114	1.97	1.62	1.70	1.97	1.79	1.81
5	Engineering Drawing	C115	1.80	1.63	1.68	1.45	1.63	1.64
6	ECS Lab	C116	1.95	2.70	2.70	2.60	2.70	2.53
7	Applied Chemistry Lab	C117	0.70	2.80	2.80	2.81	2.80	2.38
8	PPSC Lab	C118	3.00	3.00	3.00	3.00	3.00	3.00
9	M-II (LA&NM)	C121	1.59	1.82	1.71	1.94	1.94	1.80
10	Applied Physics	C122	2.48	2.22	2.18	2.13	2.30	2.26
11	OOPS through JAVA	C123	2.44	2.62	2.27	2.36	2.09	2.35
12	NA	C124	2.23	1.82	1.94	2.17	2.20	2.07
13	BEE	C125	2.38	1.94	2.32	2.20	2.35	2.24
14	EWS Lab	C126	2.57	2.53	2.53	2.53	2.59	2.55
15	BE Lab	C127	3.00	2.53	2.65	2.77	2.53	2.70
16	Applied Physics Lab	C128	2.07	2.19	2.07	2.07	2.07	2.09
17	ES	C129	2.40	2.39	2.40	2.45	2.30	2.39
18	EDC	C211	1.68	1.59	1.76	1.50	1.59	1.62
19	STLD	C212	1.88	1.70	1.70	1.70	1.93	1.78
20	S&S	C213	1.85	1.85	1.81	1.68	1.85	1.81
21	M-III	C214	2.45	2.27	2.22	1.85	1.94	2.14
22	RVSP	C215	1.70	1.61	1.57	1.79	1.70	1.67
23	OOPS through JAVA Lab	C216	2.80	2.80	2.80	2.80	2.80	2.80
24	EDC LAB	C217	2.30	2.30	2.53	2.53	2.07	2.35
25	STLD LAB	C218	2.54	2.65	2.67	2.81	-	2.67
26	Python Programming	C219	3.00	3.00	3.00	3.00	3.00	3.00
27	ECA	C221	1.50	2.09	1.80	1.75	1.62	1.75
28	DICD	C222	1.82	1.82	1.72	1.82	1.93	1.82
29	AC	C223	2.38	2.12	2.11	1.85	1.76	2.04
30	LCS	C224	2.06	1.96	2.01	1.79	2.05	1.97

31	MOB	C225	2.50	2.42	2.15	2.29	2.04	2.28
32	ECA LAB	C226	2.38	2.14	2.07	2.22	2.30	2.22
33	AC LAB	C227	2.25	2.61	-	2.10	3.00	2.49
34	DICD LAB	C228	2.30	2.65	2.73	2.81	-	2.62
35	Soft Skills	C229	3.00	3.00	3.00	3.00	3.00	3.00
36	COI	C22A	3.00	3.00	3.00	3.00	3.00	3.00
37	AICA	C311	1.97	1.97	1.96	1.85	1.85	1.92
38	EMWTL	C312	2.29	2.20	2.20	2.20	2.12	2.20
39	DC	C313	2.50	2.50	2.65	2.45	2.60	2.54
40	COA	C314	1.62	1.88	1.70	1.93	1.93	1.81
41	EMI	C315	2.39	2.65	2.58	3.00	2.76	2.68
42	AICA Lab	C316	2.38	2.14	2.07	2.22	2.30	2.22
43	DC Lab	C317	2.40	2.50	2.50	2.60	2.50	2.50
44	DS Using Java Lab	C318	2.53	2.53	2.53	2.53	2.53	2.53
45	ITK	C319	3.00	3.00	3.00	3.00	3.00	3.00
46	Industrial/Research Internship	C31A	3.00	3.00	3.00	3.00	3.00	3.00
47	MP&MC	C321	1.70	1.60	1.75	1.70	1.82	1.71
48	VLSI Design	C322	2.17	2.28	1.98	2.12	2.28	2.16
49	DSP	C323	1.88	2.08	1.86	1.51	2.08	1.88
50	CN	C324	2.25	2.05	1.96	1.70	1.88	1.97
51	ES	C325	2.26	2.24	2.57	2.35	2.06	2.30
52	MP&MC Lab	C326	2.30	2.30	2.30	2.30	2.30	2.30
53	VLSI Design Lab	C327	2.52	2.46	2.70	2.46	2.50	2.53
54	DSP Lab	C328	2.11	2.10	2.29	1.79	2.18	2.09
55	ARM/Aurdino Lab	C329	2.29	2.28	2.29	2.29	2.50	2.33
56	Research Methodology	C32A	3.00	3.00	3.00	3.00	3.00	3.00
57	OC	C411	1.86	2.00	2.00	2.35	2.23	2.09
58	SC	C412	2.23	2.00	2.10	2.23	1.76	2.06
59	RE	C413	2.00	2.10	2.60	2.28	2.28	2.25
60	IOT	C414	2.60	2.40	2.64	2.64	2.64	2.58
61	CNS	C415	2.08	2.08	2.50	2.08	2.08	2.16
62	UHV	C416	2.62	2.47	2.62	2.47	2.38	2.51
63	DT Lab	C417	3.00	3.00	3.00	3.00	3.00	3.00
64	Industrial/Research Internship	C418	3.00	3.00	3.00	3.00	3.00	3.00

| 65 | Project work, seminar and internship in industry | C421 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |

Department of Electronics and Communication Engineering

CO Indirect Attainments

Academic year: 2023-24 (Batch 2020-2024)

Sl.No	COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	Overall Course
1	Commutative English	C111	2.44	2.26	2.54	2.40	2.64	2.45
2	Mathematics-1(Calculus)	C112	2.60	2.00	2.40	2.60	2.40	2.40
3	Applied Chemistry	C113	2.33	2.55	2.36	2.35	2.56	2.43
4	PPSC	C114	2.12	2.59	2.39	2.41	2.44	2.39
5	Engineering Drawing	C115	2.00	2.40	2.40	2.60	2.40	2.36
6	ECS Lab	C116	2.60	2.33	2.54	2.41	2.54	2.48
7	Applied Chemistry Lab	C117	2.51	2.48	2.64	2.41	2.53	2.51
8	PPSC Lab	C118	2.00	2.20	2.40	2.60	2.40	2.32
9	M-II (LA&NM)	C121	2.50	2.10	2.40	2.40	2.60	2.40
10	Applied Physics	C122	2.26	2.40	2.40	2.31	2.62	2.40
11	OOPS through JAVA	C123	2.06	2.50	2.40	2.51	2.42	2.38
12	NA	C124	2.60	2.45	2.59	2.41	2.57	2.52
13	BEE	C125	2.06	2.50	2.40	2.51	2.42	2.38
14	EWS Lab	C126	2.27	2.47	2.29	2.37	2.58	2.39
15	BE Lab	C127	2.30	2.38	2.54	2.50	2.50	2.44
16	Applied Physics Lab	C128	2.00	2.30	2.40	2.60	2.40	2.34
17	ES	C129	2.00	2.40	2.40	2.60	2.40	2.36
18	EDC	C211	2.31	2.34	2.37	2.43	2.28	2.35
19	STLD	C212	2.16	2.21	2.37	2.25	2.44	2.29
20	S&S	C213	2.22	2.30	2.28	2.28	2.26	2.27
21	M-III	C214	2.27	2.21	2.02	2.20	2.09	2.16
22	RVSP	C215	2.18	2.13	2.11	2.14	2.29	2.17
23	OOPS through JAVA Lab	C216	2.14	2.15	2.19	2.05	2.13	2.13
24	EDC LAB	C217	2.08	1.96	2.02	2.05	2.11	2.04
25	STLD LAB	C218	2.05	2.09	2.03	2.11	2.59	2.17
26	Python Programming	C219	3.00	3.00	3.00	3.00	3.00	3.00
27	ECA	C221	2.26	2.33	2.22	2.21	2.22	2.25

28	DICD	C222	2.29	2.21	2.20	2.31	2.32	2.27
29	AC	C223	2.44	2.36	2.33	2.29	2.41	2.37
30	LCS	C224	2.33	2.18	2.27	2.22	2.18	2.24
31	MOB	C225	2.28	2.24	2.29	2.28	2.44	2.31
32	ECA LAB	C226	2.02	2.06	1.92	2.23	2.11	2.07
33	AC LAB	C227	2.11	2.10	2.09	2.12	1.91	2.07
34	DICD LAB	C228	-	2.12	2.00	2.19	2.07	2.10
35	Soft Skills	C229	3.00	3.00	3.00	3.00	3.00	3.00
36	COI	C22A	3.00	3.00	3.00	3.00	3.00	3.00
37	AICA	C311	3.00	3.00	3.00	3.00	3.00	3.00
38	EMWTL	C312	3.00	3.00	3.00	3.00	3.00	3.00
39	DC	C313	3.00	3.00	3.00	3.00	3.00	3.00
40	COA	C314	3.00	3.00	3.00	3.00	3.00	3.00
41	EMI	C315	3.00	3.00	3.00	3.00	3.00	3.00
42	AICA Lab	C316	3.00	3.00	3.00	3.00	3.00	3.00
43	DC Lab	C317	3.00	3.00	3.00	3.00	3.00	3.00
44	DS Using Java Lab	C318	3.00	3.00	3.00	3.00	3.00	3.00
45	ITK	C319	3.00	3.00	3.00	3.00	3.00	3.00
46	Industrial/Research Internship	C31A	3.00	3.00	3.00	3.00	3.00	3.00
47	MP&MC	C321	3.00	3.00	3.00	3.00	3.00	3.00
48	VLSI Design	C322	3.00	3.00	3.00	3.00	3.00	3.00
49	DSP	C323	3.00	3.00	3.00	3.00	3.00	3.00
50	CN	C324	3.00	3.00	3.00	3.00	3.00	3.00
51	ES	C325	3.00	3.00	3.00	3.00	3.00	3.00
52	MP&MC Lab	C326	3.00	3.00	3.00	3.00	3.00	3.00
53	VLSI Design Lab	C327	3.00	3.00	3.00	3.00	3.00	3.00
54	DSP Lab	C328	3.00	3.00	3.00	3.00	3.00	3.00
55	ARM/Aurdino Lab	C329	3.00	3.00	3.00	3.00	3.00	3.00
56	Research Methodology	C32A	3.00	3.00	3.00	3.00	3.00	3.00
57	OC	C411	3.00	3.00	3.00	3.00	3.00	3.00
58	SC	C412	3.00	3.00	3.00	3.00	3.00	3.00
59	RE	C413	3.00	3.00	3.00	3.00	3.00	3.00
60	IOT	C414	3.00	3.00	3.00	3.00	3.00	3.00
61	CNS	C415	3.00	3.00	3.00	3.00	3.00	3.00
62	UHV	C416	3.00	3.00	3.00	3.00	3.00	3.00

63	DT Lab	C417	3.00	3.00	3.00	3.00	3.00	3.00
64	Industrial/Research Internship	C418	3.00	3.00	3.00	3.00	3.00	3.00
65	Project work, seminar and internship in industry	C421	3.00	3.00	3.00	3.00	3.00	3.00

Department of Electronics and Communication Engineering

Overall CO Attainments

Academic year: 2023-24 (Batch 2020-2024)

Sl. No.	Course Name	Course Code	Attainment Level		Overall Attainment Level	Set Target	Attained (Yes/No)
			Direct	Indirect			
1	Commutative English	C111	2.13	2.45	2.19	1.45	YES
2	Mathematics-1(Calculus)	C112	2.04	2.40	2.11	1.80	YES
3	Applied Chemistry	C113	2.62	2.43	2.58	1.71	YES
4	PPSC	C114	1.81	2.39	1.92	2.18	NO
5	Engineering Drawing	C115	1.64	2.36	1.78	1.58	YES
6	ECS Lab	C116	2.53	2.48	2.52	1.37	YES
7	Applied Chemistry Lab	C117	2.38	2.51	2.41	2.25	YES
8	PPSC Lab	C118	3.00	2.32	2.86	2.49	YES
9	M-II (LA&NM)	C121	1.80	2.40	1.92	1.80	YES
10	Applied Physics	C122	2.26	2.40	2.29	1.69	YES
11	OOPS through JAVA	C123	2.35	2.38	2.36	2.18	YES
12	NA	C124	2.07	2.52	2.16	2.10	YES
13	BEE	C125	2.24	2.38	2.27	2.21	YES
14	EWS Lab	C126	2.55	2.39	2.52	2.21	YES
15	BE Lab	C127	2.70	2.44	2.64	1.95	YES
16	Applied Physics Lab	C128	2.09	2.34	2.14	1.80	YES
17	ES	C129	2.39	2.36	2.38	1.46	YES
18	EDC	C211	1.62	2.35	1.77	1.83	NO
19	STLD	C212	1.78	2.29	1.88	2.14	NO
20	S&S	C213	1.81	2.27	1.90	1.89	YES
21	M-III	C214	2.14	2.16	2.15	1.80	YES
22	RVSP	C215	1.67	2.17	1.77	2.25	NO
23	OOPS through JAVA Lab	C216	2.80	2.13	2.67	1.99	YES

24	EDC LAB	C217	2.35	2.04	2.29	1.47	YES
25	STLD LAB	C218	2.67	2.17	2.57	2.10	YES
26	Python Programming	C219	3.00	3.00	3.00	1.80	YES
27	ECA	C221	1.75	2.25	1.85	2.25	NO
28	DICD	C222	1.82	2.27	1.91	1.98	NO
29	AC	C223	2.04	2.37	2.11	1.98	YES
30	LCS	C224	1.97	2.24	2.03	1.98	YES
31	MOB	C225	2.28	2.31	2.28	2.13	YES
32	ECA LAB	C226	2.22	2.07	2.19	2.40	NO
33	AC LAB	C227	2.49	2.07	2.41	2.12	YES
34	DICD LAB	C228	2.62	2.10	2.52	2.10	YES
35	Soft Skills	C229	3.00	3.00	3.00	2.10	YES
36	COI	C22A	3.00	3.00	3.00	1.44	YES
37	AICA	C311	1.92	3.00	2.13	2.12	YES
38	EMWTL	C312	2.20	3.00	2.36	2.03	YES
39	DC	C313	2.54	3.00	2.63	2.23	YES
40	COA	C314	1.81	3.00	2.05	1.35	YES
41	EMI	C315	2.68	3.00	2.74	2.41	YES
42	AICA Lab	C316	2.22	3.00	2.38	2.70	NO
43	DC Lab	C317	2.50	3.00	2.60	1.80	YES
44	DS Using Java Lab	C318	2.53	3.00	2.62	1.82	YES
45	ITK	C319	3.00	3.00	3.00	2.25	YES
46	Industrial/Research Internship	C31A	3.00	3.00	3.00	2.70	YES
47	MP&MC	C321	1.71	3.00	1.97	1.95	YES
48	VLSI Design	C322	2.16	3.00	2.33	2.10	YES
49	DSP	C323	1.88	3.00	2.10	2.02	YES
50	CN	C324	1.97	3.00	2.17	2.02	YES
51	ES	C325	2.30	3.00	2.44	1.93	YES
52	MP&MC Lab	C326	2.30	3.00	2.44	2.06	YES
53	VLSI Design Lab	C327	2.53	3.00	2.62	2.16	YES
54	DSP Lab	C328	2.09	3.00	2.27	2.02	YES
55	ARM/Aurdino Lab	C329	2.33	3.00	2.46	1.80	YES
56	Research Methodology	C32A	3.00	3.00	3.00	2.25	YES
57	OC	C411	2.09	3.00	2.27	2.08	YES
58	SC	C412	2.06	3.00	2.25	1.87	YES

59	RE	C413	2.25	3.00	2.40	1.84	YES
60	IOT	C414	2.58	3.00	2.67	1.55	YES
61	CNS	C415	2.16	3.00	2.33	1.70	YES
62	UHV	C416	2.51	3.00	2.61	2.25	YES
63	DT Lab	C417	3.00	3.00	3.00	2.70	YES
64	Industrial/Research Internship	C418	3.00	3.00	3.00	2.70	YES
65	Project work, seminar and internship in industry	C421	3.00	3.00	3.00	2.11	YES

3.3 Attainment of Program Outcomes and Program Specific Outcomes (50)   Total Marks 50.00

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

Institute Marks : 10.00

3.3.1 A.List of Assessment tools & processes (5)

PO Assessment Procedure:

Assessment Tools and Processes

Programme outcome attainment process has been done by takingdirect and indirect assessment tools.

        80% of direct attainment and 20% of indirect attainment is considered for calculation of PO attainment. Direct attainment of programme outcomes and programme specific outcomes are based

on the logical mapping of levels of course outcomes with programme outcomes and programme specific outcomes.

The following programme outcome assessment methods have been adopted for calculating the PO/PSO attainment

1	Assessment of COs & their Contribution to PO/PSO Attainment	80%
2	Students' Exit Survey(10%) Alumni feedback(5%) Employer feedback(5%)	20%
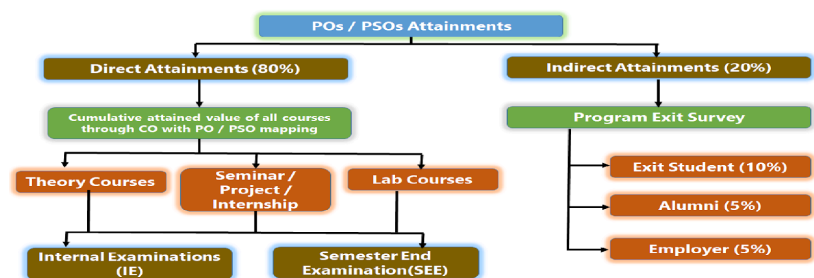
Direct PO Attainment Procedure:

        Attainment of each PO is calculated by using the below formula

PO ATTAINMENT

        Name of the Course: VLSID   Academic Year: 2022-23   Course Code:C322   Name of the Faculty: D.Sridhar   Year & Semester: III-II

Section:A&B

Gaps Identified:

Gap	Gap Identified	CO	PO/PSO
G1	**Design for Testability Layout Diagrams of MOS Circuits**	C322.2	3, 5/2

Revised CO-PO mapping considering the gaps:

Courses Out Comes	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P011	P012	PSO1	PSO2	PSO3	PSO4
C322 .1	2	2	3	-	2	-	-	-	-	-	-	3	2	3	-	-
C322 .2	2	-	3	-	3	-	-	-	-	-	-	-	2	3	-	-
C322 .3	3	2	3	-	-	-	-	-	-	-	-	2	2	3	-	-
C322 .4	3	-	2	-	2	-	-	-	-	-	-	-	2	3	-	-
C322 .5	2	-	-	-	1	-	-	-	-	-	-	-	2	3	2	-
C322	2.4	2	2.75	-	2	-	-	-	-	-	-	2.5	PO AVG 2.33			

TARGET=0.9*PO AVG= 2.09												
PA	2.36	1.97	2.70	-	1.97	-	-	-	-	-	-	2.46

PO ATTAINMENT(PA)=(INDIVIDUAL PO AVERAGE *CO ATTAINMENT)/PO AVG

Course attainment: from Course Assessment Sheet

	CO1	CO2	CO3	CO4	CO5
OVERALL LEVEL	2.00	2.33	2.16	2.33	2.00
% OF STUDENTS INTERNAL	66	72	65	73	64
% OF STUDENTS EXTERNAL	58.62				
Direct Assesment					2.117
In Direct Assesment					3
COURSE ATTAINMENT(0.8* Direct Assesment+0.2* In Direct Assesment)					2.296

B. The quality/relevance of assessment tools / processes used (5)

Programme outcomes and programme specific outcomes Assessment process

- In each course, course outcomes are framed.
- Logical mapping of cognitive levels of course outcomes with programme outcomes and programme specific outcomes are done.
- The weighted average correlation level is calculated for all programme outcomes and programme specific outcomes for each course based on the COs, and rounded off to nearest whole number 1, 2 or 3.
- Indirect programme outcome and programme specific outcome attainment values are estimated from exit survey
- Total programme outcome and programme specific outcome attainment value is the weighted sum of direct attainment and indirect attainment values.

Indirect POAttainment Procedure:

1.Exit Student Feedback Form Sample Format
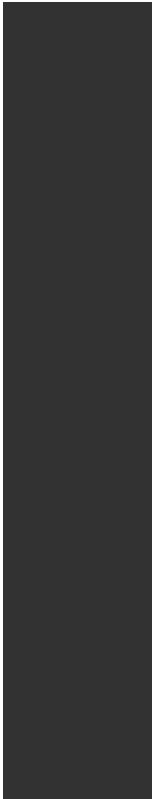
Exit Survey Filled form

27. The course/program of studies carries sufficient number of option

1	2	3
○	◉	○

28. Innovative teaching methodologies to improve the competence *

1	2	3
○	◉	○

29. Fulfilling expectations and need of industry *

1	2	3
○	◉	○

*

30.Satisfaction of your expectation from the Department

1	2	3
○	◉	○

FEEDBACK ON TEACHING-LEARNING-EVALUATION PROCESS

NOTE: Please write appropriate levels1, 2, 3 as defined below for each param
Points (1 to 3) scale... (Poor-1, Good-2, Excellent-3)

31. Overall Academic Performance of students *

	1	2	3
	○	◉	○

32. Learning interest generated by the teachers through innovative teaching methods *

	1	2	3
	○	◉	○

33. Conducting of student seminars for improving confident levels *

	1	2	3
	○	◉	○

34. Guidance given by the faculty on laboratories *

	1	2	3
	○	◉	○

35. Arranging of Industrial Visits/field trips *

	1	2	3
	○	◉	○

36. Allowing of students to do internships, workshops *

	1	2	3
	○	◉	○

37. Quality of projects-Technology, Social Relevance and Industry based *

	1	2	3
	○	◉	○

38. Department Association Activities *

	1	2	3
	○	◉	○

39. Extracurricular activities *

	1	2	3
	○	◉	○

40. Regular advancement of the department *

	1	2	3
	○	◉	○

41. Student peer Learning opportunities *

	1	2	3
	○	◉	○

42. Carrier guidance provided by the Faculty members *

	1	2	3
	○	◉	○

43. Training courses beyond the University/autonomous syllabus-Soft skills/CRT/CRA *

	1	2	3
	○	◉	○

44. Additional topics taught in the courses *

	1	2	3
	○	◉	○

45. Additional experiments conducted in the Laboratories *

	1	2	3
	○	◉	○

46. Fairness of Exam papers Evaluation by the University *

	1	2	3
	○	◉	○

47. Fairness of Mid exam papers evaluation by the College *

	1	2	3
	○	◉	○

48. Implementation of analysis of student feedbacks *

	1	2	3
	○	◉	○

49. Syllabus and its relevance to meet the objectives *

	1	2	3
	○	◉	○

50. Interest created on Annual Project Exhibition *

	1	2	3
	○	◉	○

51. Technical student presentations done by the students in the Department *

	1	2	3
	◯	◉	◯

52. Effectiveness of Remedial classes its results *

	1	2	3
	◯	◉	◯

53. Syllabus creates interest to pursue higher studies in the particular subject *

	1	2	3
	◯	◉	◯

FEED BACK ON FACULTY, STAFF & ADMINISTRATION

NOTE: Please write appropriate levels 1, 2, 3 as defined below for each parameter: The Score is on a 3-Points (1 to 3) scale... (Poor-1, Good-2, Excellent-3)

54. Sincerity/Commitment of the teachers in the Department *

	1	2	3
	◯	◉	◯

2.Alumni feedback form:

Sample format

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Accredited by NBA (CSE, ECE & ME) & NAAC 'A' Grade
Approved by AICTE, New Delhi & Affiliated to JNTUK Kakinada, An ISO 9001:2015 Certified Institute
Nandamuru, Pedana Mandal, Krishna Dist – 521369.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ALUMNI FEEDBACK AY:: 2023-2024
OBE, FACILITIES and CURRICULUM

Name of the Alumni: Branch:
Year of graduation: Phone no:
Organization name: Designation /Occupation:
Email: Joined year:

Dear Alumni,

      We shall be thankful to and appreciate you if you can spare some of your valuable time to fill up this feedback form and give us your valuable suggestions for further improvement of the Institute. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of the Institute. Hence your feedback on Institute will help us to improve our approach in Academics.

      The rating is on a 3-Points (1 to 3) scale... (Excellent-3, Good-2, Poor-1)

S.No.	FACILITIES	Score
1	How teaching and mentoring process in the college facilitated to you for your overall development.	
2	How our college Infrastructure & Lab facilities helped you to enhance your knowledge	
3	Usage of teaching aids and ICT in the class by faculty to facilitate teaching.	
4	Facilities regarding sports and games	
5	How can you grade your Training & Placement activities	
6	Availability of reading material (Library /Internet/Others)	
7	The college provides adequate opportunities and support to the students for upgrading. Their skills and knowledge.	
8	Grade your Hostel & Canteen Facilities	
9	Grade your Co-curricular and Extracurricular Activities	
10	How college provides multiple opportunities to learn and grow.	
	CURRICULUM DESIGN & DEVELOPMENT	
11	Grade your Curriculum and Syllabi of the Courses	
12	Is it College takes efforts to engage students in monitoring, reviewing and improving quality of Teaching – Learning Process?	
13	How teachers are informing expected competencies, course outcomes and program outcomes	
14	Timely announcement of examination results	
15	Opportunities for out of classroom learning (guest lectures, seminars, workshop, value added programs, conferences, competitions)	

Any Other suggestions:

Filled format

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ALUMNI FEEDBACK AY:: 2023-2024
OBE, FACILITIES and CURRICULUM

Name of the Alumni: G meghana   Branch: ECE
Year of graduation: 2020   Phone no: 7082194248
Organization name: LTI MINDTREE   Designation /Occupation: Software engineer.
Email: Joined year: 2020 Dec

Dear Alumni,

We shall be thankful to and appreciate you if you can spare some of your valuable time to fill up this feedback form and give us your valuable suggestions for further improvement of the Institute. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of the Institute. Hence your feedback on Institute will help us to improve our approach in Academics.

The rating is on a 3-Points (1 to 3) scale... (Excellent-3, Good-2, Poor-1)

S.No.	FACILITIES	Score
1	How teaching and mentoring process in the college facilitated to you for your overall development.	3
2	How our college Infrastructure & Lab facilities helped you to enhance your knowledge	3
3	Usage of teaching aids and ICT in the class by faculty to facilitate teaching.	3
4	Facilities regarding sports and games	3
5	How can you grade your Training & Placement activities	3
6	Availability of reading material (Library /Internet/Others)	3
7	The college provides adequate opportunities and support to the students for upgrading. Their skills and knowledge.	3
8	Grade your Hostel & Canteen Facilities	3
9	Grade your Co-curricular and Extracurricular Activities	3
10	How college provides multiple opportunities to learn and grow.	3
	CURRICULUM DESIGN & DEVELOPMENT	
11	Grade your Curriculum and Syllabi of the Courses	3
12	Is it College takes efforts to engage students in monitoring, reviewing and improving quality of Teaching – Learning Process?	3
13	How teachers are informing expected competencies, course outcomes and program outcomes	3
14	Timely announcement of examination results	3
15	Opportunities for out of classroom learning (guest lectures, seminars, workshop, value added programs, conferences, competitions)	3

Any Other suggestions:

S.No.	PROGRAM OUTCOMES	Score
1	The study of basic sciences and core engineering helped you in analyzing the problems at your workplace?	3
2	How you are grading to identify and define the computing requirements for a given problem which are appropriate to its solution	3
3	How are you capable to develop algorithms, and/or techniques that contribute to the software solution?	3
4	How college provides opportunity in the decision-making process of your project	3
5	Type of modern tools used in your project	3
6	Grade the impact of your final year project on society	3
7	Capability of a student to implement global, security and safety issues at your career	3
8	In what way are you collaborating with your team members to deliver the task at your workplace	3
9	Roll of yours working with multidisciplinary teams	3
10	How are you supporting your team on design and present documents using the presentation tools	3
11	How capable you are to exceed the timelines allocated for the work	3
12	Grade your interest to pursue any higher education/undertaken certification/short-term courses for furtherance of your professional career?	3
	PROGRAM SPECIFIC OUTCOMES	
13	Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing	3
14	Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.	3
15	Able to identify problems in the society and solve by designing projects.	3
16	Able to improve personality development life skills and make them to be industry ready	3

Any Other suggestions: No Comments.

Signature of the Alumni

3.Employer feedback form:

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Nandamuru, Pedana Mandal, Krishna Dist – 521369.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EMPLOYER FEEDBACK AY:: 2023-2024

Name of the Employer: Organization Name:
Designation: Mobile No:
Email ID :   Address:

Dear Employer,
　　　　Many graduates of our College are already working in your organization. We are thankful to you for providing them employment with your prestigious Company/Organization. We shall very much appreciate and be grateful to you if you can spare some of your valuable time to fill up this feedback form. It will help us to improve the Institute further and give you better employees in future.

The Score is on a 3-Points (1 to 3) scale... (Excellent-3, Good-2, Poor-1)

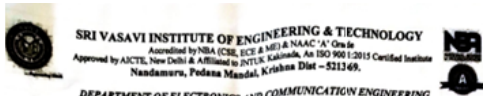| S.No.	FEEDBACK GENERAL	Score
1	How you found our graduate(s) with respect to their Technical skills?	
2	How you rate our graduate(s) with respect to their Ethical and Moral Values?	
3	How you rate our graduate(s) with respect to Team work?	
4	How you find the curriculum with respect to Industry Requirements?	
5	How you rate our graduate(s) with respect to their Communication Skills?	
6	How you rate our graduate(s) with respect to being open to new ideas and learning new techniques/technologies?	
7	Do you feel our graduate(s) is able to plan, organize & complete assigned task?	
Any Other suggestions:		
	FEEDBACK ON CURRICULUM, TEACHING LEARNING & EVALUATION	
8	Score the level of Curriculum suitability for your industry / company / Organization	
9	How is Syllabus suitable for the current trends in the market	
10	Add on Courses offered by the institution matches with the demands of the job market	
11	How can you grade the knowledge, learning skills of our students	
12	Communication and aptitude levels of the student is	
13	How is balance between theory and practical's of core subjects according to your expectations	
14	The courses offered in the program are really increasing the perspective area of the student.	
15	Grade on Evaluation and transparency	
16	The course/program of studies carries enough optional papers related to your industry	
Any Other suggestions:		

FACILITIES		
17	How can you grade the hospitality of the Institute at the time of your visit	
18	How can you grade the support extended by our Training and placement cell staff	
19	Is the college providing required infrastructure for your recruitment process	
20	Timeliness services offered by our faculty	
21	Please give an overall rating of the custodial services (like clean of the rest rooms, other rooms, deliveries, events set-up, etc.)	
Any Other suggestions:		

OUTCOMEBASED EDUCATION

S.No.	QUESTIONNARE - POs	Score
1	Knowledge on engineering fundamentals is used in analyzing the problems at your workplace?	
2	Able to identify, formulate, research literature and analyses complex engineering problems?	
3	Good in designing the solutions for complex engineering problems and design system components at your workplace	
4	Ability to use the research-based knowledge, interpretations of data and synthesis of information to provide valid conclusions	
5	Ability to use modern tool usages	
6	Ability to apply reasoning informed by the contextual knowledge to the professional engineering practice	
7	Level of understanding the impact of the professional engineering solutions for sustainable development.	
8	Ethical principles and commitment towards the work	
9	Ability to work individually and to work with teams	
10	Level of communication among their team members and the officials	
11	Knowledge on understanding the management principles and implement them as an individual and as a leader	
12	Interest to upgrade their skills	

S.No.	QUESTIONNARE - PSOs	Score
1	Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing	
2	Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.	
3	Able to identify problems in the society and solve by designing projects.	
4	Able to improve personality development life skills and make them to be industry ready	
Any Other suggestions:		

Date: **Employer Signature**

Filled Format

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EMPLOYER FEEDBACK AY:: 2023-2024

Name of the Employer: Divya .   Organization Name: Techana Enterprises
Designation: HR   Mobile No: 8185785386.
Email ID: Hrmanager@surya tech Solutions   Address: Hyd.

Dear Employer,

   Many graduates of our College are already working in your organization. We are thankful to you for providing them employment with your prestigious Company/Organization. We shall very much appreciate and be grateful to you if you can spare some of your valuable time to fill up this feedback form. It will help us to improve the Institute further and give you better employees in future.

The Score is on a 3-Points (1 to 3) scale... (Excellent-3, Good-2, Poor-1)

S.No.	FEEDBACK GENERAL	Score
1	How you found our graduate(s) with respect to their Technical skills?	2
2	How you rate our graduate(s) with respect to their Ethical and Moral Values?	2
3	How you rate our graduate(s) with respect to Team work?	2
4	How you find the curriculum with respect to Industry Requirements?	2
5	How you rate our graduate(s) with respect to their Communication Skills?	2
6	How you rate our graduate(s) with respect to being open to new ideas and learning new techniques/technologies?	2
7	Do you feel our graduate(s) is able to plan, organize & complete assigned task?	2
Any Other suggestions:		

	FEEDBACK ON CURRICULUM, TEACHING LEARNING & EVALUATION	
8	Score the level of Curriculum suitability for your industry / company / Organization	3
9	How is Syllabus suitable for the current trends in the market	3
10	Add on Courses offered by the institution matches with the demands of the job market	3
11	How can you grade the knowledge, learning skills of our students	3
12	Communication and aptitude levels of the student is	3
13	How is balance between theory and practical's of core subjects according to your expectations	3
14	The courses offered in the program are really increasing the perspective area of the student.	3
15	Grade on Evaluation and transparency	3
16	The course/program of studies carries enough optional papers related to your industry	3
Any Other suggestions:		

Overall PO Attainment:

Final POs Attainment (PO1 – PO12) = (0.8* POs Direct attainment)+(0.2* POs Indirect attainment)

3.3.2 Provide results of evaluation of PO&PSO (40)   Institute Marks : 40.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	PO1	PO2	PO3	PO4	PO5	1.36	1.36	2.04	2.26	3	PO11	2.72
C112	3	2.11	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.05
C113	1.36	2.72	2.72	PO4	PO5	2.72	3	PO8	PO9	PO10	PO11	PO12
C114	2.19	1.99	1.59	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C115	3	2.04	1.02	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.02
C116	1.66	PO2	PO3	PO4	PO5	2.21	2.49	PO8	PO9	3	PO11	PO12
C117	1.93	1.93	PO3	PO4	PO5	2.89	2.89	PO8	PO9	PO10	PO11	PO12
C118	3	2.90	2.59	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C121	2.87	1.92	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.96

C122	3	2.44	PO3	1.83	PO5	PO6	PO7	PO8	1.22	PO10	PO11	PO12
C123	2.68	2.44	1.95	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C124	2.41	2.22	1.85	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C125	2.59	2.40	1.85	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2.22
C126	2.90	PO2	PO3	PO4	2.05	PO6	PO7	PO8	3	PO10	PO11	2.05
C127	3	2.44	1.22	PO4	PO5	PO6	PO7	PO8	2.44	2.44	PO11	3
C128	2.14	1.07	PO3	2.14	2.14	PO6	PO7	PO8	3	PO10	PO11	PO12
C129	1.47	PO2	1.47	PO4	PO5	2.93	3	PO8	PO9	PO10	PO11	PO12
C211	2.61	1.92	1.74	1.74	0.87	PO6	PO7	PO8	PO9	1.74	PO11	1.74
C212	1.90	1.90	1.85	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C213	1.99	1.99	PO3	PO4	1.81	PO6	PO7	PO8	1.81	PO10	PO11	PO12
C214	3	2.15	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.07
C215	1.42	2.13	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C216	2.41	3	3	3	1.81	PO6	PO7	PO8	1.20	PO10	PO11	2.41
C217	3	2.79	2.79	1.40	3	PO6	1.40	1.40	1.40	1.40	1.40	2.79
C218	3	3	2.20	2.20	PO5	PO6	PO7	PO8	2.20	PO10	PO11	2.20
C219	3	3	PO3	PO4	3	PO6	PO7	PO8	PO9	PO10	PO11	3
C221	1.48	1.48	2.22	2.22	1.85	PO6	PO7	PO8	1.48	PO10	PO11	2.22
C222	1.74	2.60	1.74	1.74	1.74	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C223	2.87	1.92	PO3	PO4	0.96	2.87	PO7	PO8	PO9	PO10	PO11	1.92
C224	2.76	1.84	1.84	1.84	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.84
C225	2.21	2.21	PO3	2.41	PO5	2.41	PO7	2.41	2.41	PO10	1.93	PO12
C226	2.47	PO2	1.64	PO4	2.47	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C227	3	PO2	2.04	1.53	2.55	PO6	PO7	PO8	2.71	PO10	PO11	2.55
C228	3	3	2.16	2.16	PO5	PO6	PO7	PO8	2.16	PO10	PO11	2.16
C229	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2.57	PO9	2.57	PO11	3
C22A	1.88	PO2	PO3	PO4	PO5	1.88	3	3	PO9	PO10	PO11	3
C311	2.72	2.18	1.82	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.82
C312	2.10	3	2.10	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2.10
C313	2.97	2.76	2.12	PO4	3	PO6	PO7	PO8	PO9	PO10	PO11	2.12
C314	2.73	2.05	1.37	PO4	1.37	PO6	PO7	PO8	PO9	PO10	PO11	2.73
C315	2.86	2.66	3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2.04
C316	2.38	2.38	2.38	2.38	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C317	2.60	PO2	PO3	2.60	2.60	PO6	PO7	PO8	2.60	2.60	PO11	PO12
C318	2.34	2.60	2.93	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

C319	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	3	PO11	2.40
C31A	3	3	3	3	3	3	3	3	3	3	3	3
C321	2.36	2.04	1.82	PO4	1.82	PO6	PO7	PO8	PO9	PO10	PO11	1.82
C322	2.40	2	2.75	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	2.50
C323	2.06	1.88	1.88	1.88	2.82	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C324	2.32	1.93	1.93	2.90	2.25	PO6	PO7	PO8	PO9	PO10	1.93	1.93
C325	2.50	2.85	2.28	PO4	2.28	PO6	PO7	PO8	PO9	PO10	PO11	2.28
C326	2.49	PO2	2.49	2.14	2.67	PO6	PO7	PO8	2.67	2.14	PO11	2.49
C327	3	PO2	2.19	PO4	3	PO6	PO7	PO8	PO9	1.09	PO11	3
C328	2.23	2.03	2.03	2.03	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C329	2.46	PO2	2.46	2.46	2.46	PO6	PO7	PO8	PO9	PO10	PO11	2.46
C32A	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2.40	PO9	3	PO11	PO12
C411	2.56	2.21	1.97	1.97	2.95	PO6	PO7	PO8	PO9	PO10	PO11	1.97
C412	2.60	2.60	PO3	1.08	PO5	1.81	PO7	PO8	PO9	3	PO11	2.17
C413	2.82	2.82	2.12	2.12	2.12	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C414	3	1.55	2.33	3	2.33	3	3	PO8	PO9	PO10	PO11	2.72
C415	3	2.96	2.47	PO4	2.06	2.06	PO7	PO8	PO9	PO10	PO11	1.23
C416	PO1	PO2	PO3	PO4	PO5	PO6	PO7	3	PO9	2.09	PO11	PO12
C417	3	3	3	3	3	3	3	3	3	3	3	3
C418	3	3	3	3	3	3	3	3	3	3	3	3
C421	3	2.81	2.81	3	3	2.81	2.81	2.88	2.77	2.77	3	2.77
PO Attainment	2.61	2.47	2.34	2.41	2.46	2.61	2.72	2.68	2.46	2.61	2.58	2.40

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.52	2.36	2.18	2.28	2.34	2.53	2.66	2.61	2.33	2.52	2.47	2.26
InDirect Attainment	2.97	2.925	2.97	2.91	2.925	2.925	2.985	2.955	2.97	2.985	3	2.985

PSO Attainment

Course	PSO1	PSO2	PSO3	PSO4
C111	PSO1	PSO2	PSO3	2.19
C112	PSO1	PSO2	PSO3	PSO4
C113	PSO1	PSO2	PSO3	PSO4
C114	PSO1	PSO2	PSO3	PSO4
C115	PSO1	PSO2	PSO3	PSO4

C116	PSO1	PSO2	PSO3	2.52
C117	PSO1	PSO2	PSO3	PSO4
C118	PSO1	PSO2	PSO3	PSO4
C121	PSO1	PSO2	PSO3	PSO4
C122	PSO1	PSO2	PSO3	PSO4
C123	PSO1	PSO2	PSO3	PSO4
C124	PSO1	PSO2	PSO3	PSO4
C125	PSO1	PSO2	PSO3	PSO4
C126	2.52	2.52	2.52	PSO4
C127	3	2.12	PSO3	PSO4
C128	PSO1	PSO2	PSO3	PSO4
C129	PSO1	PSO2	PSO3	PSO4
C211	2.65	1.77	0.88	PSO4
C212	2.82	0.94	PSO3	PSO4
C213	2.28	PSO2	1.52	PSO4
C214	PSO1	PSO2	PSO3	PSO4
C215	2.66	PSO2	0.89	PSO4
C216	PSO1	PSO2	PSO3	PSO4
C217	1.37	2.74	2.74	PSO4
C218	3	1.93	1.93	PSO4
C219	PSO1	PSO2	PSO3	PSO4
C221	1.85	PSO2	PSO3	PSO4
C222	1.91	1.91	1.91	PSO4
C223	2.57	PSO2	1.65	PSO4
C224	2.43	PSO2	1.62	PSO4
C225	PSO1	PSO2	2.28	PSO4
C226	2.19	2.19	2.19	PSO4
C227	2.41	2.41	2.41	PSO4
C228	3.00	1.89	1.89	PSO4
C229	PSO1	PSO2	PSO3	3.00
C22A	PSO1	PSO2	PSO3	PSO4
C311	2.29	PSO2	1.98	PSO4
C312	2.36	PSO2	2.36	PSO4
C313	3	2.15	1.44	PSO4
C314	PSO1	2.73	1.37	PSO4

C315	2.74	PSO2	PSO3	PSO4
C316	2.38	PSO2	2.38	PSO4
C317	3	1.56	1.56	PSO4
C318	2.92	PSO2	2.33	PSO4
C319	PSO1	PSO2	PSO3	PSO4
C31A	3.00	3.00	3.00	3
C321	PSO1	2.25	1.69	PSO4
C322	2	3	2	PSO4
C323	2.10	PSO2	2.10	PSO4
C324	1.76	2.64	2.11	PSO4
C325	2.92	PSO2	1.95	PSO4
C326	2.44	2.44	2.44	PSO4
C327	PSO1	2.62	2.62	PSO4
C328	2.27	PSO2	2.27	PSO4
C329	2.46	2.46	2.46	PSO4
C32A	PSO1	PSO2	PSO3	PSO4
C411	3.00	PSO2	1.14	PSO4
C412	2.70	PSO2	1.80	PSO4
C413	3	2.06	2.06	PSO4
C414	PSO1	2.13	3	PSO4
C415	2.80	PSO2	1.86	PSO4
C416	PSO1	PSO2	PSO3	PSO4
C417	3.00	3.00	3.00	3
C418	3	3.00	3.00	3
C421	2.77	2.94	3	3
PSO Attainment	2.63	2.45	2.24	2.83

PSO Attainment Level

Course	PSO1	PSO2	PSO3	PSO4
Direct Attainment	2.56	2.34	2.09	2.82
InDirect Attainment	2.927	2.87	2.857	2.855

4 STUDENTS' PERFORMANCE (150)   Total Marks 102.60

:

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23(CAYm2)	2021-22(CAYm3)	2020-21(CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
Sanctioned intake of the program(N)	120	120	120	120	120	120	120
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus No. of students migrated to this program (N1)	112	120	108	103	104	62	80
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	12	12	12	18	57	42
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	112	132	120	115	122	119	122

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	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
2024-25 (CAY)	112	0	0	0	0
2023-24 (CAYm1)	132	27	0	0	0
2022-23 (CAYm2)	120	22	29	0	0
2021-22 (CAYm3)	115	21	27	26	0
2020-21 (LYG)	122	80	69	45	35
2019-20 (LYGm1)	119	45	36	30	27
2018-19 (LYGm2)	122	32	28	26	25

Table 4.3

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	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
2024-25 (CAY)	112	0	0	0	0
2023-24 (CAYm1)	132	118	0	0	0
2022-23 (CAYm2)	120	104	116	0	0
2021-22 (CAYm3)	115	99	111	107	0
2020-21 (LYG)	122	102	118	116	81
2019-20 (LYGm1)	119	59	111	109	75
2018-19 (LYGm2)	122	80	119	117	70

4.1 Enrolment Ratio (20)

Total Marks 20.00

Institute Marks : 20.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)	120	112	93.33
2023-24 (CAYm1)	120	120	100.00
2022-23 (CAYm2)	120	108	90.00

Average [(ER1 + ER2 + ER3) / 3] : 94.44

Assessment : 20.00

4.2 Success Rate in the stipulated period of the program (40)

Total Marks 15.30

4.2.1 Success rate without backlogs in any semester / year of study (25)

Institute Marks : 6.00

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)	Latest Year of Graduation minus 2 LYGm2 (2018-19)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	122.00	119.00	122.00
Y Number of students who have graduated without backlogs in the stipulated period	35.00	27.00	25.00
Success Index [SI = Y / X]	0.29	0.23	0.20

Average SI [(SI1 + SI2 + SI3) / 3] : 0.24

Assessment [25 * Average SI] : 6.00

4.2.2 Sucess rate in stipulated period (15)

Institute Marks : 9.30

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)	Latest Year of Graduation minus 2 LYGm2 (2018-19)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	122.00	119.00	122.00
Y Number of students who have graduated in the stipulated period	81.00	75.00	70.00
Success Index [SI = Y / X]	0.66	0.63	0.57

Average SI[(SI1 + SI2 + SI3) / 3]: 0.62

Assessment [15 * Average SI] : 9.30

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 Third Year (15)

Total Marks 11.62

Institute Marks : 11.62

Academic Performance	CAYm3 (2021-22)	LYG (2020-21)	LYGm1 (2019-20)
Mean of CGPA or mean percentage of all successful students(X)	7.88	7.81	8.12
Total number of successful students(Y)	107.00	116.00	109.00
Totalnumber of students appeared in the examination(Z)	111.00	118.00	111.00
API [X*(Y/Z)]:	7.60	7.68	7.97

Average API [(AP1 + AP2 + AP3)/3] : 7.75

Assessment [1.5 * AverageAPI] : 11.62

4.4 Academic Performance in Second Year (15)   Total Marks 11.68

Institute Marks : 11.68

Academic Performance	CAYm2 (2022-23)	CAYm3 (2021-22)	LYG (2020-21)
Mean of CGPA or mean percentage of all successful students(X)	7.89	7.66	7.93
Total number of successful students (Y)	116.00	111.00	118.00
Total number of students appeared in the examination (Z)	116.00	111.00	120.00
API [X * (Y/Z)]	7.89	7.66	7.80

Average API [(AP1 + AP2 + AP3)/3] : 7.78

Assessment [1.5 * AverageAPI] : 11.68

4.5 Placement, Higher Studies and Entrepreneurship (40)   Total Marks 24.00

Institute Marks : 24.00

Item	LYG (2020-21)	LYGm1 (2019-20)	LYGm2 (2018-19)
Total No of Final Year Students(N)	116.00	109.00	117.00
No of students placed in the companies or government sector(X)	49.00	75.00	78.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	1.00	1.00	0.00
No of students turned entrepreneur in engineering/technology (Z)	0.00	0.00	0.00
x + y + z =	50.00	76.00	78.00
Placement Index [(X+Y+Z)/N] :	0.43	0.70	0.67

Average Placement [(P1 + P2 + P3)/3] : 0.60

Assessment [40 * Average Placement] : 24.00

Program Name : Mechanical Engineering
Assessment Year Name : CAYm1

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	VUYYURU NAGA VAMSI	20MQ1A04A4	Manjha Technologies pvt ltd	MTPL/2024/364
2	RAJULAPATI KALPANA	21MQ5A0413	Manjha Technologies pvt ltd	MTPL/2024/735
3	GOLI MAHESH	21MQ5A0417	SURYATECH SOLUTIONS	SVIET/ECE/PLACEMENTS/23-24/001
4	CH N K V PRASAD	20MQ1A0482	SURYATECH SOLUTIONS	SVIET/ECE/PLACEMENTS/23-24/002
5	KOTHAPALLI KONDA BABU	20MQ1A0489	SURYATECH SOLUTIONS	SVIET/ECE/PLACEMENTS/23-24/003
6	NAGULLA SUDHEER KUMAR	20MQ1A0493	SURYATECH SOLUTIONS	SVIET/ECE/PLACEMENTS/23-24/004
7	Akurathi Akshaya	20MQ1A0455	Techona Enterprises	SVIET/ECE/PLACEMENTS/23-24/005
8	Lingam Jaya Navya Sri	20MQ1A0465	Techona Enterprises	SVIET/ECE/PLACEMENTS/23-24/006
9	Balla Deepthi	21MQ5A0401	Techona Enterprises	SVIET/ECE/PLACEMENTS/23-24/007
10	Chittajallu Swarna Latha	21MQ5A0402	Techona Enterprises	SVIET/ECE/PLACEMENTS/23-24/008
11	Puli Nikhitha	21MQ5A0404	Techona Enterprises	SVIET/ECE/PLACEMENTS/23-24/009
12	AKURI SUHASINI	21MQ5A0409	Palle Technologies	SVIET/ECE/PLACEMENTS/23-24/0010
13	Bellamkonda Tirumalasri Devi	21MQ5A0410	Techona Enterprises	SVIET/ECE/PLACEMENTS/23-24/0011
14	Kagitha Likhitha	21MQ5A0411	Palle Technologies	SVIET/ECE/PLACEMENTS/23-24/0012
15	S.Sandhyarani	21MQ5A0412	Techona Enterprises	SVIET/ECE/PLACEMENTS/23-24/0013
16	Vasana Kusuma	21MQ5A0414	Palle Technologies	SVIET/ECE/PLACEMENTS/23-24/0014
17	M Deveena Kumari	20MQ1A0415	CHANG YI INTERCONNECT TECHNOLOGY(INDIA)Pvt. Ltd	SVIET/ECE/PLACEMENTS/23-24/0015
18	GOLLA SAI MANIKANTA	21MQ5A0408	Efftronics	SVIET/ECE/PLACEMENTS/23-24/0016
19	MADHIRI LIDHIN KUMAR	21MQ5A0416	Efftronics	SVIET/ECE/PLACEMENTS/23-24/0017
20	PNS Satya	20MQ1A0444	Datalynx	SVIET/ECE/PLACEMENTS/23-24/0018
21	P Swathi	20MQ1A0418	CHANG YI INTERCONNECT TECHNOLOGY(INDIA)PVT Ltd	SVIET/ECE/PLACEMENTS/23-24/0019
22	A Usha Rani	20MQ1A0402	Wipro	SVIET/ECE/PLACEMENTS/23-24/0020
23	KODATI KARTHIK	20MQ1A0436	Efftronics	SVIET/ECE/PLACEMENTS/23-24/0021
24	P KANAKA DURGA	20MQ1A0462	Resolute	SVIET/ECE/PLACEMENTS/23-24/0022
25	V CHANDRIKA	20MQ1A0474	Resolute	SVIET/ECE/PLACEMENTS/23-24/0023
26	K PRERITHA	20MQ1A0463	Resolute	SVIET/ECE/PLACEMENTS/23-24/0024
27	T MADHU	20MQ1A04A1	Resolute	SVIET/ECE/PLACEMENTS/23-24/0025
28	T.C KALYANI	20MQ1A0470	Resolute	SVIET/ECE/PLACEMENTS/23-24/0026
29	CH SWAPNA	21MQ5A0457	Resolute	SVIET/ECE/PLACEMENTS/23-24/0027
30	P MANIKANTA	20MQ1A0446	Scala Automation Solutions	SVIET/ECE/PLACEMENTS/23-24/0028
31	Ch.Sai Krishna	20MQ1A0432	Scala Automation Solutions	SVIET/ECE/PLACEMENTS/23-24/0029
32	Ch.Hari Naga Babu	20MQ1A0483	Surya Tech Solutions	SVIET/ECE/PLACEMENTS/23-24/0030
33	BOMMASANI GOWTHAMI	20MQ1A0404	BIST Technologies P.V.T L.T.D	BIST/2024/159
34	D D SRI VENKATA KALKI	20MQ1A0407	BIST Technologies P.V.T L.T.D	BIST/2024/459

35	GULE NIKHAT	20MQ1A0408	Criztone Technology Private Limited	CTPL/2024/987
36	KAGITHA LAKSHMI HARIKA	20MQ1A0411	Criztone Technology Private Limited	CTPL/2024/354
37	KODE SAHITYA NAGA DIVYA	20MQ1A0413	upstartix innovations private limited	UIPL/2024/654
38	PUPPALA YAMINI JYOTHI	20MQ1A0420	upstartix innovations private limited	UIPL/2024/123
39	VEMURI S L S R DURGA LAKSHMI	20MQ1A0424	upstartix innovations private limited	UIPL/2024/651
40	YARLAGADDA LAVANYA	20MQ1A0426	upstartix innovations private limited	UIPL/2024/021
41	AVULA SAI DINESH	20MQ1A0428	upstartix innovations private limited	UIPL/2024/320
42	G G VENKATA SAI NAGA RAJU	20MQ1A0433	upstartix innovations private limited	UIPL/2024/625
43	KOKKERA SIVA NAGA CHANDRA	20MQ1A0437	upstartix innovations private limited	UIPL/2024/498
44	KONATHAM RAJESH	20MQ1A0439	upstartix innovations private limited	UIPL/2024/652
45	MANNEM SWAMI	20MQ1A0441	upstartix innovations private limited	UIPL/2024/795
46	INKOLLU SRI SAI SAJANA	20MQ1A0460	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2024/465
47	KUNAPAREDDY BHANU SRI	20MQ1A0464	ALIEN INNOVATIONS Private limited	AIPL/2024/985
48	NALLAGANCHU KIRANMAYI	20MQ1A0466	upstartix innovations private limited	UIPL/2024/135
49	VANNEMREDDY MANIKANTA KUMAR	20MQ1A04A2	upstartix innovations private limited	UIPL/2024/485

Assessment Year Name : CAYm2

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	PONNURI NAVYA	19MQ1A0446	criztone technology private limited	CTPL/2023/759
2	DIMMATE SRAVAN KISHORE	19MQ1A0452	criztone technology private limited	CTPL/2023/459
3	LANKE RAKESH BABU	19MQ1A0454	criztone technology private limited	CTPL/2023/153
4	NALLURI SIVA KIRSHNA BABU	19MQ1A0456	criztone technology private limited	CTPL/2023/254
5	P L VENKATA NAGA GOWTHAM	19MQ1A0459	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/950
6	Y SHANMUKHA TRISULA PANI	19MQ1A0461	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/023
7	KOTARI LEELAVATHI	19MQ1A0462	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/520
8	BORRA KONDALAMMA	19MQ1A0404	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/650
9	KODURU DEEPTHI SAI DURGA	19MQ1A0439	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/759
10	M P VARA NAGA LAKSHMI	19MQ1A0442	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/895
11	A KOKILA	20MQ5A0401	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/695
12	B VENU MADHAVI	20MQ5A0403	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/652
13	B USHA NAGA RANI	20MQ5A0404	ALIEN INNOVATIONS Private limited	AIPL/2023/159
14	BOPPANA HEMA	20MQ5A0405	ALIEN INNOVATIONS Private limited	AIPL/2023/875
15	B VASUDHA RANI	20MQ5A0406	ALIEN INNOVATIONS Private limited	AIPL/2023/165
16	M TEJASWI	20MQ5A0408	ALIEN INNOVATIONS Private limited	AIPL/2023/963
17	G AKHILA	20MQ5A0409	ALIEN INNOVATIONS Private limited	AIPL/2023/456
18	J DEEPTHI	20MQ5A0410	ALIEN INNOVATIONS Private limited	AIPL/2023/654
19	J T VENKATA TEJA	20MQ5A0411	ALIEN INNOVATIONS Private limited	AIPL/2023/798
20	K V B BHAGYA LAKSHMI	20MQ5A0413	ALIEN INNOVATIONS Private limited	AIPL/2023/888
21	K RUPA DEVI	20MQ5A0414	ALIEN INNOVATIONS Private limited	AIPL/2023/326
22	K A HIMANYA	20MQ5A0415	Manjha Technologies pvt ltd	MTPL/2023/002
23	M LAVANYA	20MQ5A0417	Manjha Technologies pvt ltd	MTPL/2023/156
24	NEKKANTI SOMA PRIYA	20MQ5A0430	Manjha Technologies pvt ltd	MTPL/2023/956
25	PUPPALA VINEELA	20MQ5A0433	Manjha Technologies pvt ltd	MTPL/2023/687
26	SAMUDRALA TEJASWI	20MQ5A0435	Manjha Technologies pvt ltd	MTPL/2023/786
27	UDATHA DIVYA	20MQ5A0439	Manjha Technologies pvt ltd	MTPL/2023/327
28	VALISETTI BHAVANI	20MQ5A0440	Manjha Technologies pvt ltd	MTPL/2023/932
29	Bade keerthi	19MQ1A0402	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/001
30	EEDE BHANUSRI	19MQ1A0408	Concentrix	SVIET/ECE/PLACEMENTS/22-23/002
31	Metla Akhila	19MQ1A0409	Intellipaat	SVIET/ECE/PLACEMENTS/22-23/003
32	Manikonda Bhargavi	19MQ1A0410	Concentrix	SVIET/ECE/PLACEMENTS/22-23/004
33	Ramya Bhargavi Prathi	19MQ1A0413	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/005
34	PUPPALA PRASANNA SRAVANI	19MQ1A0414	Jhaishna technologies	SVIET/ECE/PLACEMENTS/22-23/006

35	Tanneru.Sai Ramya	19MQ1A0416	Intellipaat	SVIET/ECE/PLACEMENTS/22-23/007
36	V.N.V.S.Pavan Kumar	19MQ1A0428	suryatech Solutions	SVIET/ECE/PLACEMENTS/22-23/008
37	V SASI VARMA	19MQ1A0429	criztone technology private limited	SVIET/ECE/PLACEMENTS/22-23/009
38	Adapala Nikhila Gayathri	19MQ1A0430	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/0010
39	Gelli Naga Venkata Sushma	19MQ1A0435	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/0011
40	Jogi.Anitha	19MQ1A0438	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/0012
41	M. Ramya sri	19MQ1A0440	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/0013
42	M.J.N.V.Deepika	19MQ1A0441	Concentrix	SVIET/ECE/PLACEMENTS/22-23/0014
43	Tejaswi Nagula	19MQ1A0444	Intellipaat	SVIET/ECE/PLACEMENTS/22-23/0015
44	Peddireddy Satya Veera venkata sirisha	19MQ1A0448	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/0016
45	Kundurthi Bhoga Lakshmi Phani kumar	19MQ1A0453	Concentrix	SVIET/ECE/PLACEMENTS/22-23/0017
46	M.Chandu Manikanta	19MQ1A0455	Concentrix	SVIET/ECE/PLACEMENTS/22-23/0018
47	SRI NAGA CHANDRIKA CHITTURI	20MQ5A0407	Savantis Solutions India Pvt Ltd	SA/TA/HYD/2023/4871
48	Bogireddy Bala Subrahmanyam	20MQ5A0419	suryatech Solutions	202309482
49	Battu.Dheera Venkata Sai	20MQ5A0420	suryatech Solutions	SVIET/ECE/PLACEMENTS/22-23/0019
50	Suresh Dasari	20MQ5A0424	Savantis Solutions India Pvt Ltd	SA/TA/HYD/2023/4872
51	Nikhil kumpati	20MQ5A0428	Surya Tech Solutions	SVIET/ECE/PLACEMENTS/22-23/0020
52	Pinnenti Geetha Venkata Saraswathi	20MQ5A0431	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/0021
53	Palanchu Naga Sailaja	20MQ5A0432	Savantis Solutions India Pvt Ltd	SA/TA/HYD/2023/4873
54	Rani Akuri	20MQ5A0434	Savantis Solutions India Pvt Ltd	SA/TA/HYD/2023/4874
55	Sogani Lakshmi Prasanna	20MQ5A0436	Savantis Solutions India Pvt Ltd	SA/TA/HYD/2023/4876
56	Sonti Teena Sri	20MQ5A0437	Techona enterprises	SVIET/ECE/PLACEMENTS/22-23/0022
57	Puppala Mani Babu	20MQ5A0450	Surya Tech Solutions	202309474
58	Remalli William Raju	20MQ5A0451	Surya Tech Solutions	202309475
59	Akhila Bale	20MQ5A0457	Concentrix	SVIET/ECE/PLACEMENTS/22-23/0023
60	V.VENNELA	20MQ5A0441	Unistring Tech Solutions	UTS/offer letter/may-23/03
61	P V K SUBRAMANYAM	20MQ5A0448	QUEST GLOBAL ENGG.SERVICES Pvt.Ltd	SVIET/ECE/PLACEMENTS/22-23/0024
62	T HEMASREE	19MQA0450	VIRTUAL VOICE TECHNOLOGIES	VVT/PERS/021
63	CH.HEMA	19MQ1A0406	BIST Technologies P.V.T L.T.D	BIST/2023/125
64	CH.SRAVANI NAG	19MQ1A0407	BIST Technologies P.V.T L.T.D	BIST/2023/480
65	P V BHANU PRASANNA	19MQ1A0412	BIST Technologies P.V.T L.T.D	BIST/2023/785
66	SRIPATHI VIJAYA	19MQ1A0415	BIST Technologies P.V.T L.T.D	BIST/2023/741
67	BUSAM DHANUSH	19MQ1A0418	BIST Technologies P.V.T L.T.D	BIST/2023/123
68	BEJAVADA SAI DURGA VAMSI	19MQ1A0419	BIST Technologies P.V.T L.T.D	BIST/2023/025
69	K NIKIL SAI	19MQ1A0422	BIST Technologies P.V.T L.T.D	BIST/2023/456

70	K JAY SAI	19MQ1A0423	BIST Technologies P.V.T L.T.D	BIST/2023/963
71	PAMARTHI KUMAR SAI	19MQ1A0426	BIST Technologies P.V.T L.T.D	BIST/2023/951
72	PARASA NAGA YASWANTH	19MQ1A0427	criztone technology private limited	CTPL/2023/652
73	CHEBOINA SANDHYA DEVI	19MQ1A0433	criztone technology private limited	CTPL/2023/985
74	MUNNAM GNANA SRI	19MQ1A0443	criztone technology private limited	CTPL/2023/753
75	PUPPALA NAGA KAVYA	19MQ1A0445	criztone technology private limited	CTPL/2023/654
76	B SIRISHA	20MQ5A0402	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2023/459

Assessment Year Name : CAYm3

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	GOPISETTI YOGI	18MQ1A0469	Wipro	SVIET/ECE/PLACEMENTS/21-22/001
2	CH.N.V.DHANESH	19MQ5A0435	SILICONOUS	SVIET/ECE/PLACEMENTS/21-22/002
3	B.THISHITHA	18MQ1A0444	Capgemini	SVIET/ECE/PLACEMENTS/21-22/003
4	MAVULETI JAYA SREE	18MQ1A0453	Capgemini	SVIET/ECE/PLACEMENTS/21-22/004
5	P.SARIKA	18MQ1A0461	Capgemini	SVIET/ECE/PLACEMENTS/21-22/005
6	R RAMU	18MQ1A0476	SiliconuS	SVIET/ECE/PLACEMENTS/21-22/006
7	R SIVA PRIYA	18MQ1A0417	TCS	TCSL/DT20218467221/HYDERABAD
8	APPIKATLA NAGA PHANINDRA	18MQ1A0424	Infosys	HRD/3T/1003216281/22-23
9	S SUMANTH	18MQ1A0438	Wipro	SVIET/ECE/PLACEMENTS/21-22/007
10	SRILEKHA BATHINA	18MQ1A0442	Wipro	SVIET/ECE/PLACEMENTS/21-22/008
11	K.ANANTHA NAGA LEELA	18MQ1A0448	Wipro	SVIET/ECE/PLACEMENTS/21-22/009
12	L.ESHITHA	18MQ1A0449	Capgemini	SUPERSET ID:1643182
13	MVVE RISHITHA	18MQ1A0452	Wipro	SVIET/ECE/PLACEMENTS/21-22/0010
14	MEDISETTI KUSUMANJALI	18MQ1A0454	Wipro	SVIET/ECE/PLACEMENTS/21-22/0011
15	M.JYOTHIRMAI	18MQ1A0455	TCS	TCSL/DT20218105562/HYDERABAD
16	M.LEELA CHANDRIKA	18MQ1A0456	Capgemini	SUPERSET ID:1691212
17	B.RAVI SANKAR GUPTA	18MQ1A0467	Infosys	SVIET/ECE/PLACEMENTS/21-22/0012
18	CH GANESH	18MQ1A0468	Wipro	SVIET/ECE/PLACEMENTS/21-22/0013
19	K SURYA	18MQ1A0471	Wipro	SVIET/ECE/PLACEMENTS/21-22/0014
20	D.BALA KOTESWARARAO	19MQ5A0418	Foxlink india	FLKIN/AP/HR/OFR/2022/87
21	Y.N.S.PAVAN KUMAR	19MQ5A0441	Capgemini	SUPERSET ID:1588297
22	CHAKKA UHA	18MQ1A0403	Wipro	SVIET/ECE/PLACEMENTS/21-22/0015
23	KUMBHAMDEVI MOUNIKA	18MQ1A0411	Wipro	SVIET/ECE/PLACEMENTS/21-22/0016
24	M SIVA SIVANI	18MQ1A0413	Wipro	SVIET/ECE/PLACEMENTS/21-22/0017
25	SK SIMRAN	18MQ1A0418	Wipro	SVIET/ECE/PLACEMENTS/21-22/0018
26	S SAI POOJITHA	18MQ1A0419	Infosys	SVIET/ECE/PLACEMENTS/21-22/0019
27	YNS HARIPRIYA	18MQ1A0422	Wipro	SVIET/ECE/PLACEMENTS/21-22/0020
28	A.SAI TARUN	18MQ1A0423	Capgemini	SVIET/ECE/PLACEMENTS/21-22/0021
29	K YESWANTH	18MQ1A0432	wipro	SVIET/ECE/PLACEMENTS/21-22/0022
30	TPVG BHARADWAJ	18MQ1A0440	IDS	IDSL/HR/22-23/0FF-026/2022-23
31	B.SINDHURA	18MQ1A0445	IDS	IDSL/HR/22-23/0FF-025/2022-23
32	MATTA YASWANTHI	18MQ1A0451	Wipro	SVIET/ECE/PLACEMENTS/21-22/0023
33	N MADHU PRANATHI	18MQ1A0457	Wipro	SVIET/ECE/PLACEMENTS/21-22/0024
34	P NAGA HINDHU SRI	18MQ1A0458	Wipro	SVIET/ECE/PLACEMENTS/21-22/0025

35	P.DHARANI DEVI	18MQ1A0462	IDS	IDSL/HR/22-23/0FF-024/2022-23
36	V.SUPRIYA	18MQ1A0465	Wipro	SVIET/ECE/PLACEMENTS/21-22/0026
37	GORU JAI SAI RAJ KUMAR	18MQ1A0470	Mindtree	SVIET/ECE/PLACEMENTS/21-22/0027
38	TUTHIKA SHIVA SAI	18MQ1A0478	Infosys	SVIET/ECE/PLACEMENTS/21-22/0028
39	V LOHITH SRI HARSHA	18MQ1A0479	Capgemini	SVIET/ECE/PLACEMENTS/21-22/0029
40	YADLA.VENKATESH	18MQ1A0480	Capgemini	SVIET/ECE/PLACEMENTS/21-22/0030
41	CH. CHANDRIKA	19MQ5A0403	Wipro	SVIET/ECE/PLACEMENTS/21-22/0031
42	J.N.V.LAKSHMI	19MQ5A0404	Infosys	SVIET/ECE/PLACEMENTS/21-22/0032
43	K GANA SIVA PRIYA	19MQ5A0405	Infosys	SVIET/ECE/PLACEMENTS/21-22/0033
44	M SAI DEEPIKA	19MQ5A0409	IDS	IDSL/HR/22-23/0FF-023/2022-23
45	P.KONDA DURGA	19MQ5A0413	Infosys	HRD/3T/1003501774/22-23
46	V.DEVIKA	19MQ5A0414	Wipro	SVIET/ECE/PLACEMENTS/21-22/0034
47	K PAVANI	19MQ5A0423	Wipro	SVIET/ECE/PLACEMENTS/21-22/0035
48	K PAVANI	19MQ5A0424	Moschip	SVIET/ECE/PLACEMENTS/21-22/0036
49	Rayapureddy Bhavana	19MQ5A0426	Modernize Chip	SVIET/ECE/PLACEMENTS/21-22/0037
50	S.BALA JYOTHI	19MQ5A0427	Wipro	SVIET/ECE/PLACEMENTS/21-22/0038
51	YARLAGADDA LAKSHMI TEJASWI	19MQ5A0432	Infosys	SVIET/ECE/PLACEMENTS/21-22/0039
52	A.ANILA	18MQ1A0401	Intech Additive Solutions	IASPL/HR/IE0333/2023-24
53	N.B V SAI KRISHNA	18MQ1A0474	EFKONIndia Pvt. Ltd.	SVIET/ECE/PLACEMENTS/21-22/0040
54	YARLAGADDA KUSUMA	19MQ5A0442	Infosys	SVIET/ECE/PLACEMENTS/21-22/0041
55	P RAM CHARAN	18MQ1A0475	Infosys	SVIET/ECE/PLACEMENTS/21-22/0042
56	P V SUMANTH	18MQ1A0436	LOGICIEL GLOBAL SERVICES Pvt.Ltd	SVIET/ECE/PLACEMENTS/21-22/0043
57	B N ANJANI DEVI	18MQ1A0402	BIST Technologies P.V.T L.T.D	BIST/2022/568
58	G VENKATA MOUNIKA	18MQ1A0405	BIST Technologies P.V.T L.T.D	BIST//2022/456
59	GUDAVALLI RAJESWARI	18MQ1A0406	BIST Technologies P.V.T L.T.D	BIST/2022/356
60	JONNALA RENUKA MAHA LAKSHMI	18MQ1A0407	BIST Technologies P.V.T L.T.D	BIST/2022/695
61	KODEBOYINA HEMA LATHA	18MQ1A0408	BIST Technologies P.V.T L.T.D	BIST/2022/156
62	PAPANI SUNAYANI	18MQ1A0415	Criztone Technology Private Limited	CTPL/2022/468
63	PASUPULETI KRISHNA PRIYA	18MQ1A0416	Criztone Technology Private Limited	CTPL/2022/359
64	BUBATHINA GURU PAVAN KUMAR	18MQ1A0425	Criztone Technology Private Limited	CTPL/2022/498
65	CHENNAMSETTY CHAITANYA SAI	18MQ1A0427	Criztone Technology Private Limited	CTPL/2022/759
66	D S SATEESH KUMAR	18MQ1A0430	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2022/628
67	KANCHARLAPALLI CHANDU	18MQ1A0431	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2022/698
68	RAJULAPATI SAI	18MQ1A0437	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2022/498
69	GOPARAJU SANJANA	18MQ1A0446	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2022/894

70	MATTA ASWINI	18MQ1A0450	NIYO FARM TECH PRIVATE LIMITED	NFTPL/2022/789
71	PEKETI TEJA DURGA BHAVANI	18MQ1A0460	ALIEN INNOVATIONS Private limited	AIPL/2022/468
72	M.VENKATA VAISHNAVI	19MQ5A0410	ALIEN INNOVATIONS Private limited	AIPL/2022/458
73	A.SAI TEJA	19MQ5A0417	ALIEN INNOVATIONS Private limited	AIPL/2022/658
74	CHINTA DEJIMMA	19MQ5A0421	ALIEN INNOVATIONS Private limited	AIPL/2022/985
75	K DURGA BHAVANI	19MQ5A0422	Manjha Technologies Pvt Ltd	MTPL/2022/745
76	V K RADHA	19MQ5A0430	Manjha Technologies Pvt Ltd	MTPL/2022/523
77	G N S PAVAN KUMAR	19MQ5A0436	Manjha Technologies Pvt Ltd	MTPL/2022/325
78	K RAJESH	19MQ5A0439	Manjha Technologies Pvt Ltd	MTPL/2022/125

4.6 Professional Activities (20)   Total Marks 20.00

4.6.1 Professional socities/ chapters and organizing engineering events (5)

<div align="right">Institute Marks : 5.00</div>

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

Table 4.6.1.1:Professional Society Membership Details

S. No	Academic Year	No. of Student Memberships
		IETE
1	2024–25	47
2	2023–24	46
3	2022–23	45

Table 4.6.1.2:List of Students in IETE Professional Body Members AY: 2024-25

S. No	Roll Number	Nameof the Student	Class
1	23MQ5A0412	KAGITHA SRI NAGA VENKATA SUKANYA	IIIECE
2	23MQ5A0405	DUSANAPUDI POOJITHA	IIIECE
3	22MQ1A0464	GUMPINA VEERA VENKATA SIVA SANKAR	IIIECE
4	22MQ1A0473	KOPPANATHI LOKESH	IIIECE
5	23MQ5A0402	BUSAM NAGASHARMI	IIIECE
6	23MQ5A0413	KATAKAM JYOTHSNA	IIIECE
7	23MQ5A0403	DASARI NARENDRA SAI KUMAR	IIIECE
8	23MQ5A0410	KAGITHA HEMA	IIIECE
9	23MQ5A0407	GEDELA JAHNAVI	IIIECE
10	23MQ5A0408	GUNUPUDI JEEVAN SAI	IIIECE
11	23MQ5A0401	BOMMINEEDU PURNA SAI	IIIECE
12	23MQ5A0404	DEEVI TEJO VAMSI KRISHNA	IIIECE
13	23MQ5A0422	MEKA. NAVEEN	IIIECE
14	22MQ1A0471	KATAKAM SIRISHA	IIIECE
15	22MQ1A0466	JOGI SAI PUJITHA	IIIECE
16	22MQ1A0476	NAGISETTI AAKASHBABU	IIIECE
17	22MQ1A0475	MOVVA VENKATA SUBHASHINI	IIIECE
18	22MQ1A0470	KASA. RENUKA	IIIECE
19	22MQ1A0462	GOPISETTY GAYATHRI	IIIECE
20	22MQ1A0451	AVULA .SAI VENKATA HARIKA	IIIECE
21	22MQ1A0479	PARIM MOHITHA	IIIECE
22	23MQ5A0420	MANNEM MUTTESWARI	IIIECE
23	22MQ1A0467	JUNGA SANDHYA SREE	IIIECE
24	22MQ1A0469	KANCHARLAPALLI MAHALAKSHMI	IIIECE
25	22MQ1A0474	METLA JYOTHSNA UMA VENKTA NAGA SAI	IIIECE

26	23MQ5A0409	GUTTI DONTHU NAGA SAHITHI	IIIECE
27	22MQ1A0460	EDE SAI NAGA DURGA ALEKHYA	IIIECE
28	22MQ1A0472	KODURU. VINODINI	IIIECE
29	22MQ1A0457	CHAPALA HARITHA SAI	IIIECE
30	23MQ5A0418	LUKKA MANSA	IIIECE
31	22MQ1A0463	GUDIVADA SHARMILI KRISHNA	IIIECE
32	22MQ1A0461	GOLI NAVYA	IIIECE
33	223C1A0404	RAJULAPATI VENKATA SIRISHA	IIIECE
34	23MQ5A0406	GAMIDI YASASWIN KASI	IIECE
35	24MQ5A0413	LAKSHMISRESHTI BHANU SAI DURGA BHAVANI	IIECE
36	24MQ5A0420	TADINADA ESWAR NAGA SAI GANESH	IIECE
37	23MQ1A04B9	YALAVARTHI.HARSHITHA	IIECE
38	23MQ1A0477	GOLLA SRAVANA SRUTHI	IIECE
39	24MQ5A0415	MANDA VARUN NAGA VENKATA KRISHNA	IIECE
40	23MQ1A0491	MUCHERLA BHAVYA	IIECE
41	23MQ1A0498	POTHANA GANA NAGA VENKATA SAI KRISHNA	IIECE
42	24MQ5A0414	LAVURI JEEVANA TEJA	IIECE
43	24MQ5A0410	GANTA SAISRAVANI	IIECE
44	23MQ1A0432	MUPPIRI GRISHMA GAYATHRI	IIECE
45	23MQ1A0462	YARALAGADDA SAI DURGA	IIECE
46	23MQ1A04C0	YARLAGADDA SHANMUKHA SOBHANADRI	IIECE
47	24MQ5A0417	NAIDU PAVAN KALYAN	IIECE

Table 4.6.1.3: List of Students in IETE Professional Body Members AY: 2023-24

S. No	Roll Number	Name of the Student	Class
1	22MQ1A0401	ANUMUKONDA GANGA BHAVANI	IIECE
2	22MQ1A0402	BANDARU CHARISHMA KEERTHI	IIECE
3	22MQ1A0403	BHOGADHI KAVITHA	IIECE
4	22MQ1A0404	BODICHERLA BHANU SAI PRAKASH	IIECE
5	22MQ1A0405	BOTLA BHARGAVI	IIECE
6	22MQ1A0406	BUDDANA PAVAN SANDEEP	IIECE
7	22MQ1A0407	BUSAM PAVANI	IIECE
8	22MQ1A0408	CHALAMALASETTY KIRAN	IIECE
9	22MQ1A0409	CHALAMALASETTY NAGA VENKATA SAI MUKESH	IIECE
10	22MQ1A0410	CHALAMKURTHI VENKATA RAMANA	IIECE

11	22MQ1A0411	CHANDANA SAI KEERTHI	IIECE
15	22MQ1A0412	DEVARAKONDA NAGA VENKATA SWATHI	IIECE
16	22MQ1A0413	DINTAKURTHI SAI KUMAR	IIECE
17	22MQ1A0414	DUSANAPUDI SOWJANYA	IIECE
18	22MQ1A0416	GAJULA MOKSHAGNA	IIECE
19	22MQ1A0417	GANTYADA YESODA	IIECE
20	22MQ1A0418	GOPU PRAISE PRAVEEN	IIECE
15	22MQ1A0419	GORIPARTHI SRI LAKSHMI DURGA	IIECE
16	22MQ1A0420	GORIPARTHI SUPRAJA	IIECE
17	22MQ1A0421	JALLURI KOMALIKA	IIECE
18	22MQ1A0422	KATAKAM LEELA DURGA PRASAD RAO	IIECE
19	22MQ1A0423	KEERTHI MEGHANA	IIECE
20	22MQ1A0424	KOLLATI VIDHYA	IIECE
21	22MQ1A0429	MADASU NAGA SAI GREESHMA	IIECE
22	22MQ1A0430	MADIVADA ANJALI	IIECE
23	22MQ1A0434	PATTAPU GAYATHRI	IIECE
24	22MQ1A0436	PUTTI BINDU PAVANI	IIECE
25	22MQ1A0441	SOMISETTI NAGA NAVYA SRI	IIECE
26	22MQ1A0443	TAMMIREDDY SIRISHA	IIECE
27	22MQ1A0444	THOPULA HEMA SRI	IIECE
28	22MQ1A0445	THOTA KAVYA	IIECE
29	23MQ5A0419	MAMILLAPALLI NAGA SAI VAMSI	IIECE
30	23MQ5A0421	MATTA MOHAN PHANI KUMAR	IIECE
31	23MQ5A0423	METLA SAIJYOTHI	IIECE
32	23MQ5A0424	NALAM DHEERAJ	IIECE
33	23MQ5A0425	NERUSU NAGA SAI SRIVALLI	IIECE
34	23MQ5A0426	PALLA RAJESH	IIECE
35	23MQ5A0427	PAMARTHI VENKAT	IIECE
36	23MQ5A0428	PEDDAPALLI TANUJA	IIECE
37	23MQ5A0429	PUPPALA ENEESHA	IIECE
38	23MQ5A0430	PUVALA LAKSMI DURGA	IIECE
39	23MQ5A0431	SAMUDRALA DINESH	IIECE
40	23MQ5A0411	GADE SRIHAS	IIECE
41	23MQ5A0412	KAGITHA SRI NAGA VENKATA SUKANYA	IIECE
42	22MQ1A0450	AREPALLI DEVI VENKATESWARAMMA	IIECE

43	22MQ1A0452	BADINA KAVERI	IIECE
44	22MQ1A0452	BADINA KAVERI	IIECE
45	22MQ1A0453	BALIJEPALLI TEJASWI SAI MANIDEEP	IIECE
46	22MQ1A0454	BOGADI SURESH	IIECE

Table 4.6.1.4:List of Students in IETE Professional Body Members AY: 2022-23

S. No	Roll Number	Name of the Student	Class
1.	21MQ1A0459	R.SANGEETHA	IIECE
2.	21MQ1A0458	R.NAGAMANI	IIECE
3.	21MQ1A0465	Y.NAGA PADMAJA	IIECE
4.	21MQ1A0455	O.DEEPTHI	IIECE
5.	21MQ1A0449	K.NAGA POOJITHA	IIECE
6.	21MQ1A0415	P.LAVANYA	IIECE
7.	21MQ1A0411	M.BHAVANI	IIECE
8.	21MQ1A0483	S.NUTHAN	IIECE
9.	21MQ1A0471	D.V.N.DATTA GEETHIK	IIECE
10.	21MQ1A0470	CH. LAKSHMI JANARDHAN	IIECE
11.	22MQ5A0419	V.SRAVANI	IIECE
12.	22MQ5A0418	S.LAHARISA	IIECE
13.	21MQ1A0463	V.ASWINI	IIECE
14.	21MQ1A0480	P.LOKESH KUMAR	IIECE
15.	22MQ5A0426	V.VENU MADHAV	IIECE
16.	21MQ1A0467	A.GOPI RAJU	IIECE
17.	22MQ5A0416	M.MOUNIKA	IIECE
18.	21MQ1A0447	D.PUJITHA	IIECE
19.	21MQ1A0474	M.DURGA RAO	IIECE
20.	21MQ1A0477	N.SASI VAMSI KRISHNA	IIECE
21.	22MQ5A0423	P.NAGENDRAM	IIECE
22.	21MQ1A0486	V.PUNEESH KUMAR	IIECE
23.	21MQ1A0401	AREPALLI PAVANI	IIECE
24.	21MQ1A0402	DASARI GAYATHRI	IIECE
25.	21MQ1A0403	DIVI NAGA HARSHITHA	IIECE
26.	21MQ1A0404	ELURI VEERA MAHESWARI	IIECE
27.	21MQ1A0405	GANJALA SAI SNEHA SRI	IIECE
28.	21MQ1A0406	GOPU PRASANNA ANJANA	IIECE
29.	21MQ1A0407	KAGITHA JAYA HARSHITHA	IIECE

30.	21MQ1A0408	KOMMU SRI HEMA	IIECE
31.	21MQ1A0409	KROVI SAI SRI	IIECE
32.	21MQ1A0410	KUNAPAREDDY SHANMUKHA SAI PRIYANKA	IIECE
33.	21MQ1A0412	PRUDHVI MAHATHI	IIECE
34.	21MQ1A0413	PUPPALA BABY HARSHA	IIECE
35.	21MQ1A0414	PUPPALA DIVYA JYOTHI	IIECE
36.	21MQ1A0422	CHINNAM ANIL KUMAR	IIECE
37.	21MQ1A0423	CHITTIBOMMA AKASH	IIECE
38.	21MQ1A0424	DANDASI PHANI SHANKAR VENKATA SURYADEEP	IIECE
39.	21MQ1A0425	DEVANABOIANA PUNNAIAH	IIECE
40.	21MQ1A0426	GOPISETTI AJAY	IIECE
41.	21MQ1A0427	GURAJA MANOJ KUMAR	IIECE
42.	21MQ1A0428	JOGI MAHENDRA	IIECE
43.	21MQ1A0429	KAGITHA NITHIN	IIECE
44.	21MQ1A0433	METLA THIRU VENKAT	IIECE
45.	21MQ1A0434	MODUGUMUDI DHARMA TEJA	IIECE

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

Table 4.6.1.5:Activities Summary for 3 Assessment Years

Academic Year	No. of Events	No. of Participants	Remarks
2024-25	8	755	Department level
2023-24	15	1426	Department level
2022-23	11	1158	Department level

Table 4.6.1.6:Events Conducted in the Department AY:2024-25

S. No	Date	Name of the Event	Name of the coordinator/s	Resource person Details	No. of Students
1	29.07.2024	One-Day Work Shop On High Performance Computing	Dr. SK. Khadar Zelani/ D. Sridhar	Mr. Majji Venkata Kishore, HPC Master Traine AICTE	177
2	02.08.2024	Guest Lecture on ASK,FSK,QPSK wave analysis using MATLAB	J. Jyothi Swaroop/ K. sowmya Sree	G.Kanaka Rao, Assistant Professor, Sasi Tadepalligudem	108

3	03.09.2024	Guest Lecture on Concept of micro satellites	Karuna Gone	Ch. Venkateswara Rao, Assistant Professor	110
4	19.11.2024	Webinar on Coherent Optical Fiber Communications	J. S. Deepika	K. Pullarao, Assistant Professor, SASI Eng. College, Tadepalligudem	106
5	1.03.2025	Industrial Visit to Keynes Technologies, Mysore	D. Sridhar/ S. Rajeswari	Mr. Srinivasulu, Managing Director, JSpiders Pvt. Ltd, Bangloore	40
6	4.03.2025	Industrial Visit to Hindustan Aircraft Limited	D. Sridhar/ S. Rajeswari	Hal, Bangalore	40
7	24.3.2025	Guest Lecture on on layout diagrams for MOS circuits	D. Sridhar	Dr. B. Naga Jyothi, Professor, DMSSVH, MTM	102
8	11.03.2025, To 13.03.2025	Three-Days Work Shop On Image Processing Open CV	J. S. Deepika/R.Tulasi	Mr. R Upendar Rao Director BIST TECHNOLOGIES PRIVATE LIMITED Vijayawada	132

Table 4.6.1.7:Events Conducted in the Department AY:2023-24

S. No	Date	Name of the event	Name of the coordinator	Resource person details	No. of Students
1	02.08.2023	Guest Lecture on Integrated circuit	D. Sridhar	Mr. S. Sreedhar Babu Assoc. Prof, VKR VNB&AGK College of engg. Gudiwada	89
2	03.08.2023	Guest Lecture on ASK,FSK,QPSK wave analysis using MATLAB	Dr. N Vijaya Ratnam	Mr. T. Subhasini, Assistant Professor, GEC, Gudlavalleru	108
3	30.08.2023	Seminar on Zener diode as voltage regulator, series and shunt regulator	D. Sridhar	P.Srinivas Assistant professor,SASI eng. College ,Tadepalligudem	74
4	13.10.2023	Guest Lecture on introduction to realization of digital filters by using linear differential equations.	M.Suneel	K. Pradeep, Application Engineer, Apply Volt, Vijayawada	89

5	04.09.2023	Guest Lecture on Satellite Communications: micro satellites	G. Karuna	Dr T. Sandhya, Professor, KG Reddy College of Engineering & Technology, Hyderabad.	118
6	18.10.2023 To 19.10.2023	Two-Day Work Shop On PCB Designing & Circuit Simulation using protous software	D. Sridhar	Mr. C Sudhakar, Embedded system developer, SAR e-solutions, Vijayawada	110
7	02.11.2023	Guest Lecture on Introduction to VLSI on IC Technology	G. Karuna	Mr. Sampath Rayudu Adabala, Physical Design Engineer, Lemon Flip Solutions Pvt.Ltd.	118
8	10.11.2023	Webinar on Coherent Optical Fiber Communications	J. Jyothi Swaroop	P. Sekhar, Sr. Assistant Professor, DMS SVH College of Engineering	98
9	18.11.2023	Guest Lecture on Future of ECE	G. Karuna	Mr. TEJA B, Co-Founder and Director at Siliconous Technologies Pvt. Ltd.	105
10	19.01.2024	Industrial Visit to Andra Pradesh MedTech Zone Ltd(AMTZ)	D. Sridhar/S. Rajeswari	Mr. Nitturi Naresh Kumar, Scientist-D, Quality& Regulatory Affairs	36
11	29.01.2024	Guest Lecture on layout diagrams for MOS circuits	D. Sridhar	S. Sreedhar Babu, Assoc. Prof, VKR, VNB & AGK College of Engg, Gudivada	102
12	03.02.2024	Guest Lecture on Low Power VLSI Design	D. Sridhar	Mr. K. Pradeep Application Engineer, Apply Volt, Vijayawada	95
13	22.02.2024	Guest Lecture on active loaded single stage amplifier	P. Jyothi	Mrs. J.S. Deepika, Associate Professor, DMS SVH CE, MTM	98

| 14 | 03.04.2024 | SAMVEDA National Level Tech Fest | D. Sridhar/ K. Sowmya sree | Mr C. Pakirraihai, Mr K. Sai Sudheer, Mr M. Suneel | 90 |
| 15 | 04.04.2024 | Guest Lecture on applications of pulse systems | J. Jyothi Swaroop | P.Malleswari, Associate Professor, SASI eng. college | 96 |

Table 4.6.1.8:Events Conducted in the Department AY:2022-23

S. No	Date	Name of the event	Name of the coordinator	Resource person details	No. of Students
1	23.09.2022	Guest Lecture on ASK,FSK,QPSK wave analysis using MATLAB	J. Jyothi Swaroop	Mr. T. Subhasini, Assistant Professor, GEC, Gudlavalleru	92
2	17.10.2022	Industrial Visit at Dooradarshan Kendra	D. Sridhar	INDIA'S PUBLIC SERVICE BROADCASTER	40
3	27.10.2022	Guest Lecture on measurement of dispersion optical links	J. Jyothi Swaroop	B. Phanindra Kumar, Assistant Professor	89
4	26.10.2022	Seminar on Zener diode as voltage regulator, series and shunt regulator	M. Sivaji	A. Avinash, Associate Professor, Ramachandra College of Engineering, Eluru	102
5	27.11.2022	Guest Lecture on active loaded single stage amplifier.	Dr. N. Vijaya Ratnam	Dr. M. Srinivasulu, Professor	104
6	12.12.2022	Guest Lecture on MAT Lab Programming	N. Nagaraju	Dr. J Prasanth Kumar, Professor, Ramachandra College of Engineering	98
7	27.01.2023	Guest Lecture on Advanced 5G technology	P. Jyothi	S. Sreedhar Babu, Associate Professor, VKR, VNB & AGK College of ENG, Gudivada	108
8	07.02.2023	Guest Lecture on on layout diagrams for MOS circuits	D. Sridhar	N. Chandra Sekar Reddy, Assistant Professor	95

9	15.12.2022	Guest Lecture on introduction to realization of digital filters by using linear differential equations.Communication	K. Saisudheer	Mrs.L.SreeLakshmi Assistant Professor DMSSVH,MTM	102
10	23.03.2023 To 24.03.2023	Two-Day Work Shop On Machine Learning	M.Suneel/ K. Sowmya Sree	Mr. R. Upender Rao, Sr. excutive engineer Mr SK Ashraf Ali, Sr. Excutive engineer.	240
11	13.05.2023	Guest Lecture on applications of pulse systems	D. Sridhar	K. Rama Rao, Assistant Professor, Andhra Loyola College, Vijayawada	88

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

Institute Marks : 5.00

Department Publication

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

B. Participation of Students from the program (2)

ELITE Magazine

The Department of Electronics & Communication Engineering has a Quarter yearly magazine with the name "ELITE". This magazine is initiated in September 2016 and is continuously emerged as a platform to represent departmental Half yearly contribution from students and faculty. The department follows well-defined guidelines for the magazine "ELITE". The magazine consists of original technical articles, poetry, stories, literary articles and trending information, knowing new technologies, quizzes and buzz words, interactive stories from the students and faculty, which are selected by the editor. The magazine is published for every Three months in an academic year. The magazine committee consists of a chief editor, an editor and an editorial board out of which chief editor and editor remains from the faculty and editorial board consists of 4th and 3rd year students of the department.

Table4.6.2.1: Details of ELITE Magazine

S. No	Name of the Magazine	Volume No., Month &Year	Frequency/ Year	Name of the Faculty Editor	Name of the Student Editors
1	ELITE	Volume7, Issue 1 AY: 2022-2023 July to December	Half yearly	Dr. N Vijaya Ratnam Mr. J Jyothi Swaroop	Mr. P Mani Babu Mr. Ch Naveen Ms. Ch. S N Chandrika Ms. L J Navya Sri Mr. P Manikanta
2	ELITE	Volume7, Issue 2 AY: 2022-2023 Jan to June	Half yearly	Dr. K Murali Babu Ms. K. Naga Divya Bhargavi	Mr. P Mani Babu Mr. Ch Naveen Ms. Ch. S N Chandrika Ms. L J Navya Sri Mr. P Manikanta
3	ELITE	Volume8, Issue 1 AY: 2023-2024 July to Dec	Half yearly	Dr. K Murali Babu Ms. K. Sowmya Sri	Ms. L J Navya Sri Mr. P Manikanta
4	ELITE	Volume8, Issue 2 AY: 2023-2024 Jan to June	Half yearly	Dr. K Murali Babu Ms. K. Sowmya Sri	Ms. L J Navya Sri Mr. P Manikanta
5	ELITE	Volume9, Issue 1 AY: 2024-2025 July to Dec	Half yearly	Dr. K Murali Babu Mrs. S. Rajeswari	Mr. V Venu Madhav Ms. M S Sai Srija Ms. G Yesoda Mr. S Dinesh

Figure4.6.2.1: Cover Page of ELITE Magazine

IGNITE Newsletter

The department newsletter "IGNITE" Volume-1 was launched in September 2016. It is published quarterly in an academic year. It focuses mainly on the major events organized, student and faculties publications, achievements, campus placement, industrial interactions, visits, higher studies details and many more in the department semester wise. The newsletter committee is same as that of Magazine.

Table4.6.2.2: Details of IGNITE Newsletters

S. No	Name of the News Letter	Volume Number, Month & Year	Frequency	Name of the Faculty Editor	Name of the Student Editors
1	IGNITE	Volume7, Issue 1 AY: 2022-2023 July to September	Quarterly	Dr. N Vijaya Ratnam Mr. J Jyothi Swaroop	Mr. P Mani Babu Mr. Ch Naveen Ms. Ch. S N Chandrika Ms. L J Navya Sri Mr. P Manikanta
2	IGNITE	Volume7, Issue 2 AY: 2022-2023 Oct to December	Quarterly	Dr. N Vijaya Ratnam Mr. J Jyothi Swaroop	Mr. P Mani Babu Mr. Ch Naveen Ms. Ch. S N Chandrika Ms. L J Navya Sri Mr. P Manikanta
3	IGNITE	Volume7, Issue 3 AY: 2022-2023 Jan to March	Quarterly	Dr. K Murali Babu Ms. K. Naga Divya Bhargavi	Mr. P Mani Babu Mr. Ch Naveen Ms. Ch. S N Chandrika Ms. L J Navya Sri Mr. P Manikanta
4	IGNITE	Volume7, Issue 4 AY: 2022-2023 April to June	Quarterly	Dr. K Murali Babu Ms. K. Naga Divya Bhargavi	Mr. P Mani Babu Mr. Ch Naveen Ms. Ch. S N Chandrika Ms. L J Navya Sri Mr. P Manikanta
5	IGNITE	Volume8, Issue 1 AY: 2023-2024 July to September	Quarterly	Dr. K Murali Babu Ms. K. Naga Divya Bhargavi	Ms. L J Navya Sri Mr. P Manikanta Mr. V Venu Madhav Ms. M S Sai Srija
6	IGNITE	Volume8, Issue 2 AY: 2023-2024 Oct to December	Quarterly	Dr. K Murali Babu Ms. K. Sowmya Sri	Ms. L J Navya Sri Mr. P Manikanta Mr. V Venu Madhav Ms. M S Sai Srija
7	IGNITE	Volume8, Issue 3 AY: 2023-2024 Jan to March	Quarterly	Dr. K Murali Babu Ms. K. Sowmya Sri	Ms. L J Navya Sri Mr. P Manikanta Mr. V Venu Madhav Ms. M S Sai Srija

8	IGNITE	Volume8, Issue 4 AY: 2023-2024 April to June	Quarterly	Dr. K Murali Babu Mrs. S. Rajeswari	Ms. L J Navya Sri Mr. P Manikanta Mr. V Venu Madhav Ms. M S Sai Srija
9	IGNITE	Volume9, Issue 1 AY: 2024-2025 July to September	Quarterly	Dr. K Murali Babu Mrs. S. Rajeswari	Mr. V Venu Madhav Ms. M S Sai Srija Ms. G Yesoda Mr. S Dinesh
10	IGNITE	Volume9, Issue 2 AY: 2024-2025 Oct to December	Quarterly	Dr. K Murali Babu Mrs. S. Rajeswari	Mr. V Venu Madhav Ms. M S Sai Srija Ms. G Yesoda Mr. S Dinesh
11	IGNITE	Volume9, Issue 3 AY: 2024-2025 Jan to March	Quarterly	Dr. K Murali Babu Mrs. S. Rajeswari	Mr. V Venu Madhav Ms. M S Sai Srija Ms. G Yesoda Mr. S Dinesh

IGNITE

CATCH THE TECHNOLOGY

DEPARTMENT OF ELECTRINICS AND COMMUNICATION ENGINEERING
SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
NANDAMURU. PEDANA. 521 36

Volume8, Issue3	March 2024	Page1

Chief Editor:

Dr. B. Raghavaiah,

Editors:

1. Dr. K. Murali Babu

2. Ms. K. Sowmya Sri

FacultyCoordinators:

1. D Sridhar

2. K Sai Sudheer

3. N Naga Raju

4. S Rajeswari

5. P Jyothi

Student Coordinators:

1. L J Navya Sri
2. P Manikanta

Message from
Dr. B. Rghavaiah,
HoD, ECE Dept

The ECE Dept newsletter is a platform for sharing educational information, activities and events related to the ECE Department. I hope that the news letter will provide useful and relevant information. It is the intent of the department to make it a Quarterly publication to keep in touch with the departmental activities and achievements. This is a platform to share information and you can participate by sharing your thoughts on the Departmental activities or by contributing information on the events that you have organized.

Figure 4.6.2.3: Cover Page of IGNITE Newsletter

Department Vision:

To become centre of excellence in Electronics and Communication Engineering to meet the challenges of industry and the society

Department Mission:

DM1: Impart high quality education to enable students to face challenges Of Electronics and Communication Engineering.

DM2: Provide all possible support to promote activities in the related areas of VLSI, Communications, Signal Processing, and Micro Processors & Micro Controllers.

DM3: Inculcate ethical, professional values and life-long learning skills to address the societal needs.

ACHIVEMENTS:

On 16th March, 2024 our ECE Asst. Professor Mr. C. Pakkiraiah has won the ICRE 2024. The Inter National Best Researcher Award on Electronics Very Large Scale Integration, Oeganized by ASIA RESEARCH AWARD at Tamilnadu.

Figure 4.6.2.3: Cover Page of IGNITE Newsletter

Institute News Letter - VIBES

VOLUME -15 DECEMBER – 2024 ISSUE-15

EDITORIAL BOARD

Editor in chief: Dr. B.Raja Srinivasa Reddy, M.Tech, Ph.D, Principal
Editor: Dr. A.V Raghuram, MA,P.G.D.T.E. Professor (CSS)
Members:
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Mr. SVC.Gupta ,Prof. & Controller of Examinations

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Dr. A.Chadra Suresh, Assoc Prof. & HOD (ECE)

Dr. Abid Ali, Assoc Prof. & HOD (MECH)

Mr.Ch.Giri Phani Kumar, Asst.Prof. & HOD (CE)

Dr KN Swamy ,Msc,PhD,HoD(S&H)

Mr D.Adithya Kumar.Mtech,MBA,(PhD),HoD(CSS)

4.6.3 Participationininter-institute events by students of the program of study (10)

Institute Marks : 10.00

Paper Presentation & Poster Presentation: Summary–Activities **Attended for 3 Years**

Table4.6.3.1: Summary of student participation within the state and outside the state during assessment period

Academic Year	Total No.of Events	Students Participation & Awards within the State				Students Participation & Awards outside the State			
		No. of Events	No. of Students Attended	No. of Participations	No. of Awards	No. of Events	No. of Students Attended	No. of Participations	No. of Awards
2022-23	12	11	50	5	45	3	7	0	7
2023–24	11	10	35	9	26	1	2	0	2
2024–25	15	14	61	12	49	1	1	1	0

Table 4.6.3.1.1 Summary of Students participation within the state and outside the state during assessment period

Assessment Year	No. of Events	No. of Students Attended	No. of Participations	No. of Awards
2022–23	12	57	5	52
2023–24	11	37	9	28
2024–25	15	62	13	49

A. Events within the State (2)

Table 4.6.3.1.2 Summary of Students participation within the state (State Level)during assessment period

Assessment Year	No. of Events	No. of Students Attended	No. of Participations	No. of Awards
2022–23	11	50	5	45
2023–24	10	35	9	26
2024–25	14	61	12	49

B. Events outside the state (3)

Table 4.6.3.1.3Summary of Students participation outside the state(NationalLevel)during assessment period

Assessment Year	No. of Events	No. of Students Attended	No. of Participations	No. of Awards
2022–23	3	7	0	7
2023–24	1	2	0	2
2024–25	1	1	1	0

C. Prizes/awards received in such events (5)
Academic Year: 2022-23(CAYm2) Prize Winner

Table 4.6.3.2: List of student won awards at inter-institute event in the academic year 2022–23.

S. No	Name of the Students	Name of the Event	Topic	Venue	Date	Award/ Reward
1	V. Vennela	SMART INDIA HACKTON 2022	PHOENIX	AICTE, NEW DELHI Pondicherry	25/08/2022 to 26/08/2022	First
2	L Rakesh	SMART INDIA HACKTON 2022	PHOENIX	AICTE, NEW DELHI Pondicherry	25/08/2022 to 26/08/2022	First
3	N Tejaswi	SMART INDIA HACKTON 2022	PHOENIX	AICTE, NEW DELHI Pondicherry	25/08/2022 to 26/08/2022	First
4	T Kavya	Khelothsav	Disc Throw	Gokaraju Ranga Raju Institute of Engineering & Technology	26th and 27th april 2023	Second
5	D.Veneela	Khelothsav	Shotput	Gokaraju Ranga Raju Institute of Engineering & Technology	26th and 27th april 2023	Second
6	T Kavya	Khelothsav	Disc Throw	Gokaraju Ranga Raju Institute of Engineering & Technology	26th and 27th april 2023	Second
7	D.Veneela	Khelothsav	Shotput	Gokaraju Ranga Raju Institute of Engineering & Technology	26th and 27th april 2023	Second
8	N Krishna Mohan	Institutions' innovation Council	Poster presentation	Velagapudi Ramakrishna Siddhartha Engineering College,Vijayawada	15/10/2022	Second
9	M Harshitha	Institutions' innovation Council	Poster presentation	Velagapudi Ramakrishna Siddhartha Engineering College,Vijayawada	15/10/2022	First
10	N Tejaswi	DHANUSH-2K23	Paper presentation	Dhanukela Institute of Engineering &Technology	02/04/2023	Second
11	V Venu Madhav	VKR-FEST	Paper presentation	V.K.R,V.N.B., &A.G.K. College of Engineering	03-03-2023	First

12	L Jaya Navya Sri	VEDA Association	Essay Writing	Sri Vasavi Institute of Engineering And Technology	21/02/2023	First
13	M Harshitha	VEDA Association	Essay Writing	Sri Vasavi Institute of Engineering And Technology	21/02/2023	Second
14	N Tejaswi	VEDA Association	Essay Writing	Sri Vasavi Institute of Engineering And Technology	21/02/2023	Third
15	J Venkata Teja	VEDA Association	Eloction	Sri Vasavi Institute of Engineering And Technology	22/02/2023	First
16	D Vineela	VEDA Association	Eloction	Sri Vasavi Institute of Engineering And Technology	22/02/2023	Second
17	V Venu Madhav	VEDA Association	Eloction	Sri Vasavi Institute of Engineering And Technology	22/02/2023	Third
18	B B Subrahmanyam	VEDA Association	PPT Presentation	Sri Vasavi Institute of Engineering And Technology	23/02/2023	First
19	V N V S Pavan Kumar	VEDA Association	PPT Presentation	Sri Vasavi Institute of Engineering And Technology	23/02/2023	First
20	N Somapriya	VEDA Association	PPT Presentation	Sri Vasavi Institute of Engineering And Technology	23/02/2023	Second
21	V Vennela	VEDA Association	PPT Presentation	Sri Vasavi Institute of Engineering And Technology	23/02/2023	Second
22	P M N RADHA KRISHNA	VEDA Association	PPT Presentation	Sri Vasavi Institute of Engineering And Technology	23/02/2023	Third
23	L Navya Sree	VEDA Association	Poster Presentation	Sri Vasavi Institute of Engineering And Technology	24/02/2023	First
24	T Vamsi Krishna	VEDA Association	Poster Presentation	Sri Vasavi Institute of Engineering And Technology	24/02/2023	Second
25	N Somapriya	VEDA Association	Poster Presentation	Sri Vasavi Institute of Engineering And Technology	24/02/2023	Third

26	V Vennela	VEDA Association	Poster Presentation	Sri Vasavi Institute of Engineering And Technology	24/02/2023	Third
27	N Soma Priya	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	25/02/2023	First
28	V Sravani	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	25/02/2023	First
29	Md Rehaman	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	25/02/2023	First
30	V Vennela	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	25/02/2023	Second
31	M Sindhu	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	25/02/2023	Second
32	K Karthik	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	25/02/2023	Second
33	P Venu Sai Ram	VEDA Association	Technical Quiz	Sri Vasavi Institute of Engineering And Technology	02/03/2023	First
34	B Tirumala Sri Devi	VEDA Association	Technical Quiz	Sri Vasavi Institute of Engineering And Technology	02/03/2023	First
35	P Ramya Bhargvi	VEDA Association	Technical Quiz	Sri Vasavi Institute of Engineering And Technology	02/03/2023	First
36	P M N Radha Krishna	VEDA Association	Technical Quiz	Sri Vasavi Institute of Engineering And Technology	02/03/2023	Second
37	P Swathi	VEDA Association	Technical Quiz	Sri Vasavi Institute of Engineering And Technology	02/03/2023	Second
38	V N V S Pavan Kumar	VEDA Association	Technical Quiz	Sri Vasavi Institute of Engineering And Technology	02/03/2023	Second
39	N Soma Priya	VEDA Association	Project Expo	Sri Vasavi Institute of Engineering And Technology	06/03/2023	First

40	V Vennela	VEDA Association	Project Expo	Sri Vasavi Institute of Engineering And Technology	06/03/2023	First
41	P V K Subrahmanyam	VEDA Association	Project Expo	Sri Vasavi Institute of Engineering And Technology	06/03/2023	Second
42	B Hema	VEDA Association	Project Expo	Sri Vasavi Institute of Engineering And Technology	06/03/2023	Second
43	M Naveen	VKR FEST 2K24	Project Expo	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023	First
44	S Harish	VKR FEST 2K24	Project Expo	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023	First
45	K Renuka	VKR FEST 2K24	Project Expo	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023	First
46	A Devi	VKR FEST 2K24	Project Expo	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023	First
47	S Harish	VKR FEST 2K24	General & Technical Quiz	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023	First
48	M Sesha Sai Srija	VKR FEST 2K24	Paper Presenttion	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023	Second
49	T Kavya	Fresher's Day	Disc Throw	Sri Vasavi Institute of Engineering And Technology	2022-2023	First
50	M Harshitha	VEDA Association	Essay Writing	Sri Vasavi Institute of Engineering And Technology	21/02/2023	Second
51	N Tejaswi	VEDA Association	Essay Writing	Sri Vasavi Institute of Engineering And Technology	21/02/2023	Third
52	J Venkata Teja	VEDA Association	Eloction	Sri Vasavi Institute of Engineering And Technology	22/02/2023	First

Academic Year: 2022-23(CAYm2) Participation

Table 4.6.3.3: List of student participated at inter-institute event in the academic year 2022– 23.

S. No	Name of the Students	Name of the Event	Topic	Venue	Date
1	T Vamsi Krishna	Institutions Innovation Council(IIC)	Poster	VR Siddhartha Engineering College	15-10-2022
2	M Sesha Sai Srija	VKR FEST 2K24	Quiz	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023
3	Md Tasleem Fathema	VKR FEST 2K24	Quiz	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023
4	Md Tasleem Fathema	VKR FEST 2K24	Paper	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023
5	Md Tasleem Fathema	VKR FEST 2K24	Mock Press	VKR & VNB College of Engineering, Gudiwada	22/03/2023 To 23/03/2023

Academic Year: 2023-24(CAYm1) Prize Winner

Table 4.6.3.4: List of student won awards at inter-institute event in the academic year 2023–24

S. No	Name of the Students	Name of the Event	Topic	Venue	Date	Award/ Reward
1	K Likitha	VEDA Association	Technical Quitz	Sri Vasavi Institute of Engineering And Technology	12th Oct 2023	First
2	M S S Srija	VEDA Association	Technical Quitz	Sri Vasavi Institute of Engineering And Technology	12th Oct 2023	First
3	Y Niharika	VEDA Association	Technical Quitz	Sri Vasavi Institute of Engineering And Technology	12th Oct 2023	First
4	B T Sri Devi	VEDA Association	Technical Quitz	Sri Vasavi Institute of Engineering And Technology	12th Oct 2023	Second
5	B Nandini	VEDA Association	Technical Quitz	Sri Vasavi Institute of Engineering And Technology	12th Oct 2023	Second

6	V Anand Sree Ram	VEDA Association	Technical Quitz	Sri Vasavi Institute of Engineering And Technology	12th Oct 2023	Second
7	T Kavya	DISCUS THROW(WOMEN)	DISCUS THROW(WOMEN)	Seshadri Rao Gudlawalleru Engineering College	18th -20th Nov 2023	Second
8	T Kavya	DISCUS THROW(WOMEN)	DISCUS THROW(WOMEN)	JNTUK	16th -17th Dec 2023	Second
9	M Naveen	AFOSEC-2024	Voltage Quest	VR Sidhartha Engineering College	28th -29th Feb 2024	Second
10	D Narendra Sai Kumar	AFOSEC-2024	Voltage Quest	VR Sidhartha Engineering College	28th -29th Feb 2024	Second
11	M Naveen	AFOSEC-2024	Electronic Project Exhibition	VR Sidhartha Engineering College	28th -29th Feb 2024	Second
12	D Narendra Sai Kumar	AFOSEC-2024	Project Expo	VR Sidhartha Engineering College	28th -29th Feb 2024	Second
13	S Dinesh	Eyantra Innovation Challenge	Eyantra Innovation Challenge	PSG Institute of Technology and Applied Reasearch, Coimbatore	7th March,2024	Cash Prize 20,000/-
14	M Mohan Phani Kumar	Eyantra Innovation Challenge	Eyantra Innovation Challenge	PSG Institute of Technology and Applied Reasearch, Coimbatore	7th March,2024	Cash Prize 20,000/-
15	T Kavya	KABADDI	KABADDI	Nehru Yuva Kendra- NTR & Krishna District,AP	12th March,2024	Second
16	D Veneela	SAMVEDA 2K24	Paper Presentation	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	First
17	S Srija	SAMVEDA 2K24	Paper Presentation	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	Second
18	S Harish Manikanta	SAMVEDA 2K24	Poster Presentation	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	First
19	T Vamsi Krishna	SAMVEDA 2K24	Poster Presentation	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	Second

20	S Dinesh	SAMVEDA 2K24	Project Presentation	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	First
21	D Deekshitha	SAMVEDA 2K24	Project Presentation	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	Second
22	N Krishna Mohan	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	First
23	P Venu Sai Ram	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	First
24	V Anand Sree Ram	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	Second
25	D N Sai Kumar	VEDA Association	Circuit Debugging	Sri Vasavi Institute of Engineering And Technology	3rd April 2024	Second
26	M Bhavya	Sri Satya Sai State Level Essay Writing	State Level Essay Writing	Sri Satya Sai Seva Organisations	2023	First
27	M Naveen	AFOSEC-2024	Quiz	VR Sidhartha Engineering College	28th -29th Feb 2024	Second
28	D Narendra Sai Kumar	AFOSEC-2024	Quiz	VR Sidhartha Engineering College	28th -29th Feb 2024	Second

Academic Year: 2023-24(CAYm1) Participation

Table4.6.3.5: List of student participated at inter-institute event in the academic year 2023– 24.

S. No	Name of the Students	Name of the Event	Topic	Venue	Date
1	S Navya Sri	SITAR-2K24	Technical Quiz	Prasad V. Potluri Siffhartha Institute of Technology	06-03-2024
2	P Bindu Pavani	SITAR-2K24	Technical Quiz	Prasad V. Potluri Siffhartha Institute of Technology	06-03-2024
3	G Sri Lakshmi Durga	SITAR-2K24	Technical Quiz	Prasad V. Potluri Siffhartha Institute of Technology	06-03-2024

4	S Navya Sri	SITAR-2K24	Circuit Debugging	Prasad V. Potluri Siffhartha Institute of Technology	06-03-2024
5	P Bindu Pavani	SITAR-2K24	Circuit Debugging	Prasad V. Potluri Siffhartha Institute of Technology	06-03-2024
6	G Sri Lakshmi Durga	SITAR-2K24	Circuit Debugging	Prasad V. Potluri Siffhartha Institute of Technology	06-03-2024
7	S Dinesh	Innovation Fair	Project Expo	JNTUK	27-03-2024 To 28-03-2024
8	M M Phani Kumar	Innovation Fair	Project Expo	JNTUK	27-03-2024 To 28-03-2024
9	S Harish	Innovation Fair	Project Expo	JNTUK	27-03-2024 To 28-03-2024

Academic Year: 2024-25(CAY) Prize Winner

Table 4.6.3.6: List of student won awards at inter-institute event in the academic year 2024–25.

S. No	Name of the Students	Name of the Event	Topic	Venue	Date	Award/ Reward
1	S Dinesh	Project Expo	Voice-GuidedRobotic limb manipulator	Siddartha Academy of higher education ,Vijayawada	21-02-25	Second
2	S.Sai kumar	Project Expo	Voice-GuidedRobotic limb manipulator	Siddartha Academy of higher education ,Vijayawada	21-02-25	Second
3	S Dinesh	Project Expo	Voice-GuidedRobotic limb manipulator	Vignan University ,Vadlmudi	12-04-2025	Second
4	S.Sai kumar	Project Expo	Voice-GuidedRobotic limb manipulator	Vignan University Vadlmudi	12-04-2025	Second
5	S Lohith Sai	National Sports Day	Long Jump	Sri Vasavi Institute of Engineering And Technology	29-08-2024	First
6	T Kavya	National Sports Day	Shot Put	Sri Vasavi Institute of Engineering And Technology	29-08-2024	First
7	T Kavya	National Sports Day	Long Jump	Sri Vasavi Institute of Engineering And Technology	29-08-2024	Third

8	B Durga Srivalli	National Sports Day	Long Jump	Sri Vasavi Institute of Engineering And Technology	29-08-2024	Second
9	B. Kaveri	National Sports Day	Throw Ball	Sri Vasavi Institute of Engineering And Technology	29-08-2024	Second
10	V. Venu Madhav	VEDA Association	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	4-10-2024	First
11	D.N. Sai Kumar	VEDA Association	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	4-10-2024	First
12	G. Bala Sai Surya	VEDA Association	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	4-10-2024	First
13	Md.TasleemFathema	VEDA Association	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	4-10-2024	Second
14	G. Yeshoda	VEDA Association	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	4-10-2024	Second
15	L. Jeevana Teja	VEDA Association	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	4-10-2024	Second
16	N. Dheeraj	VEDA Association	CIRCUIT DEBUGGING	Sri Vasavi Institute of Engineering And Technology	5-10-2024	First
17	K. Lokesh	VEDA Association	CIRCUIT DEBUGGING	Sri Vasavi Institute of Engineering And Technology	5-10-2024	First
18	A. Gopi Raju	VEDA Association	CIRCUIT DEBUGGING	Sri Vasavi Institute of Engineering And Technology	5-10-2024	Second
19	V. Anand Sreeram	VEDA Association	CIRCUIT DEBUGGING	Sri Vasavi Institute of Engineering And Technology	5-10-2024	Second
20	M.Greeshma	VEDA Association	POSTER PRESENTATION	Sri Vasavi Institute of Engineering And Technology	7-10-2024	First
21	K. Vidhya	VEDA Association	POSTER PRESENTATION	Sri Vasavi Institute of Engineering And Technology	7-10-2024	First
22	K. Jyothsna	VEDA Association	POSTER PRESENTATION	Sri Vasavi Institute of Engineering And Technology	7-10-2024	First

23	K. Sirisha	VEDA Association	POSTER PRESENTATION	Sri Vasavi Institute of Engineering And Technology	7-10-2024	First
24	T. Joshika	VEDA Association	POSTER PRESENTATION	Sri Vasavi Institute of Engineering And Technology	7-10-2024	Second
25	J. Tejaswi	VEDA Association	POSTER PRESENTATION	Sri Vasavi Institute of Engineering And Technology	7-10-2024	Second
26	P Bindu Pavni	VEDA Association	JAM(Just A Minute)	Sri Vasavi Institute of Engineering And Technology	17-12-2024	First
27	V Udaya Kranthi	VEDA Association	JAM(Just A Minute)	Sri Vasavi Institute of Engineering And Technology	17-12-2024	Second
28	B T S Mani Deep	VEDA Association	JAM(Just A Minute)	Sri Vasavi Institute of Engineering And Technology	17-12-2024	Third
29	S H V Manikanta	VEDA Association	Paper Presentation	Sri Vasavi Institute of Engineering And Technology	18-12-2024	First
30	J Naga Sri Lakshmi	VEDA Association	Paper Presentation	Sri Vasavi Institute of Engineering And Technology	18-12-2024	Second
31	M Naveen	VEDA Association	Project Expo	Sri Vasavi Institute of Engineering And Technology	20-12-2024	First
32	S H V Manikanta	VEDA Association	Project Expo	Sri Vasavi Institute of Engineering And Technology	20-12-2024	First
33	V Anand Sree Ram	VEDA Association	Project Expo	Sri Vasavi Institute of Engineering And Technology	20-12-2024	Second
34	D N Sai Kumar	VEDA Association	Project Expo	Sri Vasavi Institute of Engineering And Technology	20-12-2024	Second
35	M Naveen	VEDA Association	Robo Race	Sri Vasavi Institute of Engineering And Technology	21-12-2024	First
36	S H V Manikanta	VEDA Association	Robo Race	Sri Vasavi Institute of Engineering And Technology	21-12-2024	First
37	A Devi	VEDA Association	Robo Race	Sri Vasavi Institute of Engineering And Technology	21-12-2024	First

38	G Srihas	VEDA Association	Robo Race	Sri Vasavi Institute of Engineering And Technology	21-12-2024	First
39	S Dinesh	VEDA Association	Robo Race	Sri Vasavi Institute of Engineering And Technology	21-12-2024	Second
40	M Mohan Phani Kumar	VEDA Association	Robo Race	Sri Vasavi Institute of Engineering And Technology	21-12-2024	Second
41	K Sai Rajesh	VEDA Association	Robo Race	Sri Vasavi Institute of Engineering And Technology	21-12-2024	Second
42	M N S Vamsi	VEDA Association	Robo Race	Sri Vasavi Institute of Engineering And Technology	21-12-2024	Second
43	G Yeshodha	VEDA Association	Gate Paper Solving	Sri Vasavi Institute of Engineering And Technology	23-12-2024	First
44	S H V Manikanta	VEDA Association	Gate Paper Solving	Sri Vasavi Institute of Engineering And Technology	23-12-2024	Second
45	K Mahendra	VEDA Association	Gate Paper Solving	Sri Vasavi Institute of Engineering And Technology	23-12-2024	Third
46	S Dinesh	SUPRAGNA-2025	Project Arena	Siddhartha Academy of Higher Education	21-02-2025 To 22-02-2025	Second
47	M Mohan Phani Kumar	SUPRAGNA-2025	Project Arena	Siddhartha Academy of Higher Education	21-02-2025 To 22-02-2025	Second
48	S Dinesh	E-Jigyasa-2025	Project	Vignan university Guntur	12/04/2025	Second
49	M Mohan Phani Kumar	E-Jigyasa-2025	Project	Vignan university Guntur	12/04/2025	Second

Academic Year: 2024-25(CAY) Participation

Table4.6.3.7: List of student participated at inter-institute event in the academic year 2024– 25.

S. No	Name of the Students	Name of the Event	Topic	Venue	Date
1	S Dinesh	24-Hour National Level Hackathon1.0	24-Hour National Level Hackathon1.0	P S C M R College Of Engineering and Technology	30-08-2024 To 31-08-2024

2	M Mohan Phani Kumar	24-Hour National Level Hackathon1.0	24-Hour National Level Hackathon1.0	P S C M R College Of Engineering and Technology	30-08-2024 To 31-08-2024
3	B Kaveri	Central Zone Kabbdi	Kabbadi	JNTUK	15-11-2024 To 16-11-2024
4	V Manikanta Kumar	PowerPoint Presentation	PowerPoint Presentation	Vijaya Engineering College, Khammam	22-12-2024
5	Sk Rasool	Criket	Criket	VIT	14-02-2025
6	Sk Rakkib	Criket	Criket	VIT	14-02-2025
7	S Dinesh	SUPRAGNA-2025	PCB Design Challenge	Siddhartha Academy of Higher Education	21-02-2025 To 22-02-2025
8	M Mohan Phani Kumar	SUPRAGNA-2025	PCB Design Challenge	Siddhartha Academy of Higher Education	21-02-2025 To 22-02-2025
9	D Narendra Sai Kumar	Torque'25	Robo Race	JNTUK	15-03-2025 To 16-03-2025
10	S Dinesh	Torque'25	Robo Race	JNTUK	15-03-2025 To 16-03-2025
11	D Narendra Sai Kumar	Torque'25	Project Expo	JNTUK	15-03-2025 To 16-03-2025
12	S Dinesh	Torque'25	Project Expo	JNTUK	15-03-2025 To 16-03-2025
13	K.Poojitha	SUPRAGNA-2025	PCB Design Challenge	Siddhartha Academy of Higher Education	21-02-2025 To 22-02-2025

Academic Year: 2023-24 Participation

Table4.6.3.8: List of students completed online moocs in NPTEL in the academic year 2023– 24.

S. No	Course Name	Name of the student	Regd.No	Timeline	Certificate Type
1	CMOS Digital VLSI Design	Appikatla Gopiraju	21MQ1A0467	Jan-Mar 2024	Elite
2	CMOS Digital VLSI Design	Oruganti Deepthi	21MQ1A0455	Jan-Mar 2024	Elite
3	CMOS Digital VLSI Design	Appikatla Dinesh Kumar	21MQ1A0466	Jan-Mar 2024	Elite
4	CMOS Digital VLSI Design	Gundaboyina Satya Pavan	21MQ1A0473	Jan-Mar 2024	Successfully completed
5	CMOS Digital VLSI Design	Majeti Harshitha	21MQ1A0452	Jan-Mar 2024	Successfully completed
6	CMOS Digital VLSI Design	Kokku Naga Poojitha	21MQ1A0449	Jan-Mar 2024	Successfully completed
7	CMOS Digital VLSI Design	Pedasanaganti Mukteswar Naga Radhakrishna	21MQ1A0479	Jan-Mar 2024	Successfully completed
8	CMOS Digital VLSI Design	Pamarthi Venu Sai Ram	21MQ1A0478	Jan-Mar 2024	Successfully completed

Academic Year: 2022-23 Participation

Table4.6.3.9: List of students completed online moocs in NPTEL in the academic year 2022– 23

S.No	Course Name	Name of the student	Regd.No	Timeline	Certificate Type
1	Evolution Of Air Interface Towards 5G	Metla Akhila	19MQ1A0409	Jan-Apr 2023	Successfully completed
2	Evolution Of Air Interface Towards 5G	Puppula Prasanna Sravani	19MQ1A0414	Jan-Apr 2023	Successfully completed
3	Evolution Of Air Interface Towards 5G	Suresh Dasari	20MQ5A0424	Jan-Apr 2023	Successfully completed
4	Evolution Of Air Interface Towards 5G	Vemula Hema Sri	20MQ5A0443	Jan-Apr 2023	Successfully completed
5	Evolution Of Air Interface Towards 5G	Vannemareddy vennela	20MQ5A0441	Jan-Apr 2023	Successfully completed
6	The Joy of Computing using Python	Tadepalli Vamsi Krishna	21MQ1A0440	Jan-Apr 2023	Successfully completed
7	Evolution Of Air Interface Towards 5G	Puppala Vineela	20MQ5A0433	Jan-Apr 2023	Successfully completed
8	Evolution Of Air Interface Towards 5G	Akhila Bale	20MQ5A0457	Jan-Apr 2023	Successfully completed

9	The Joy of Computing using Python	kruthiventi Sai Siva Abhingna	21MQ1A0451	Jan-Apr 2023	Elite
10	Evolution Of Air Interface Towards 5G	Alapati Sai Sowmya	19MQ1A0401	Jan-Apr 2023	Successfully completed
11	The Joy of Computing using Python	Oruganti Deepthi	21MQ1A0455	Jan-Apr 2023	Successfully completed
12	Evolution Of Air Interface Towards 5G	Bogireddy Bala Subrahmanyam	20MQ5A0419	Jan-Apr 2023	Successfully completed
13	The Joy of Computing using Python	G G V S Nagaraju	20MQ1A0433	Jan-Apr 2023	Successfully completed
14	The Joy of Computing using Python	K Jaya Harshitha	21MQ1A0407	Jan-Apr 2023	Successfully completed
15	The Joy of Computing using Python	Dasari vineela	20MQ1A0406	Jan-Apr 2023	Successfully completed
16	The Joy of Computing using Python	Kokku Naga Poojitha	21MQ1A0449	Jan-Apr 2023	Successfully completed
17	Evolution Of Air Interface Towards 5G	Eede Bhanusri	19MQ1A0408	Jan-Apr 2023	Successfully completed
18	The Joy of Computing using Python	M Sesha Sai Srija	21MQ1A0453	Jan-Apr 2023	Elite
19	The Joy of Computing using Python	MD Tasleem Fathima	21MQ1A0454	Jan-Apr 2023	Elite
20	Evolution Of Air Interface Towards 5G	Konakalla Anka Himanya	20MQ5A0415	Jan-Apr 2023	Successfully completed
21	The Joy of Computing using Python	Kodati Karthik	20MQ1A0436	Jan-Apr 2023	Successfully completed
22	CMOS Digital VLSI Design	Talupula Naga Sai Narasimha Rao	20MQ1A04A0	Jan-Mar 2023	Elite+Silver
23	CMOS Digital VLSI Design	Chalamalasetty Phanindra Manoj	20MQ1A0481	Jan-Mar 2023	Successfully completed
24	CMOS Digital VLSI Design	Kode Sahitya Naga Divya	20MQ1A0413	Jan-Mar 2023	Successfully completed
25	CMOS Digital VLSI Design	N Vijaya Lakshmi	20MQ1A0417	Jan-Mar 2023	Successfully completed
26	CMOS Digital VLSI Design	Simhadri D S N S Manikanta	20MQ1A0449	Jan-Mar 2023	Successfully completed
27	CMOS Digital VLSI Design	Desu Dedeepya sri venkata kalki	20MQ1A0407	Jan-Mar 2023	Elite
28	CMOS Digital VLSI Design	Ch S Harini Nag	20MQ1A0405	Jan-Mar 2023	Successfully completed
29	CMOS Digital VLSI Design	Kokkera Siva Naga Chandra	20MQ1A0437	Jan-Mar 2023	Successfully completed

30	CMOS Digital VLSI Design	V S L S R Durga Lakshmi	20MQ1A0424	Jan-Mar 2023	Elite
31	CMOS Digital VLSI Design	R V Nandini	20MQ1A0421	Jan-Mar 2023	Successfully completed
32	CMOS Digital VLSI Design	Gule Nikhat	20MQ1A0408	Jan-Mar 2023	Elite
33	CMOS Digital VLSI Design	Perumalla Venkata Siva Durga	20MQ1A0419	Jan-Mar 2023	Successfully completed
34	CMOS Digital VLSI Design	A S Dinesh	20MQ1A0428	Jan-Mar 2023	Successfully completed
35	CMOS Digital VLSI Design	S Hema Kumari	20MQ1A0422	Jan-Mar 2023	Successfully completed

Fig 4.6.3.1 e-Eyantra Semi finals at PSG College of Engineering Coimbatore

Fig 4.6.3.2 Won second prize at Vignan University Guntur

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)   Total Marks 174.50

Institute Marks :

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof/Assoc. Prof.).	Initial Date of Joining	Association Type	At present working with the Institution(Yes/No)	In case of NO, Date of Leaving	IS HOD?
Dr A Chandra Suresh	AJRPA1632L	ME/M. Tech and PhD	16/10/2024	ANTENNAS	6	0	0	Professor	01/11/2024	03/06/2013	Regular	Yes		Yes
K.P.R.Ratna Raju	BNPPP4988K	M.E/M.Tech	01/09/2011	Communication systems	2	0	0	Assistant Professor		03/03/2017	Regular	Yes		No
D. Sridhar	ARHPD6750A	M.E/M.Tech	20/04/2010	Very Large-Scale Integration Systems Design	6	0	0	Assistant Professor		01/08/2022	Regular	Yes		No
Y. R .K. Paramahamsa	AAEPY2391Q	M.E/M.Tech	27/10/2005	Digital systems and computer Electronics	3	0	0	Assistant Professor		01/08/2022	Regular	Yes		No
K. Sai Sudheer	CBIPS3929M	M.E/M.Tech	20/06/2012	Very Large-Scale Integration Systems Design	5	0	0	Assistant Professor		25/04/2015	Regular	Yes		No
K.G.V.Nageswara Rao	BZJPK4548N	M.E/M.Tech	22/07/2015	Very Large-Scale Integration Systems Design	0	0	0	Assistant Professor		05/06/2017	Regular	Yes		No
G.N.P. Jyothi	CFXPG1931C	M.E/M.Tech	23/09/2017	Very Large-Scale Integration Design	0	0	0	Assistant Professor		02/01/2019	Regular	Yes		No
J.Jyothi Swaroop	AXSPJ1267H	M.E/M.Tech	01/10/2018	Very Large-Scale Integration Systems Design	4	0	0	Assistant Professor		01/06/2019	Regular	Yes		No
K . Mounika	DZEPK9434E	M.E/M.Tech	22/08/2018	Digital Electronics and Communication Sstems	0	0	0	Assistant Professor		24/12/2019	Regular	Yes		No
B.Sujatha	BTSPB2014B	M.E/M.Tech	22/11/2012	Very Large Scale Integration Systems Design	4	0	0	Assistant Professor		13/06/2016	Regular	Yes		No
K.SowmyaSree	BWQPK8100A	M.E/M.Tech	12/02/2015	Very Large-Scale Integration Systems Design	5	0	0	Assistant Professor		13/07/2022	Regular	Yes		No
N. Nagaraju	ATXPN2842H	M.E/M.Tech	07/08/2018	VLSI & Embedded Systems	3	0	0	Assistant Professor		22/07/2022	Regular	Yes		No
P Jyothi	APMPA2001E	M.E/M.Tech	16/12/2015	Digital systems and computer Electronics	3	0	0	Assistant Professor		08/08/2022	Regular	Yes		No
G.Karuna	AMPBG0950C	M.E/M.Tech	22/10/2010	Very Large Scale Integration Systems Design	1	0	0	Assistant Professor		05/07/2022	Regular	Yes		No

Name	PAN	Qualification	Date1	Specialization	V1	V2	V3	Designation	Date2	Date3	Nature	Assoc1	Date4	Assoc2
Ch.Amala	BCNPC4521L	M.E/M.Tech	11/12/2013	Communication Systems	0	0	0	Assistant Professor		21/08/2019	Regular	Yes		No
S.Rajeswari	JQPPS7581L	M.E/M.Tech	09/12/2020	Very Large Scale Integration Systems Design	1	0	0	Assistant Professor		03/07/2023	Regular	Yes		No
J.S.Deepika	APVPJ5936L	M.E/M.Tech	23/12/2010	Computers and Communications	0	0	0	Assistant Professor		01/07/2024	Regular	Yes		No
R.Tulasi	BUIPR6846N	M.E/M.Tech	21/09/2017	Embedded Systems	0	0	0	Assistant Professor		08/07/2024	Regular	Yes		No
L.J.N.Sri Laksmi	AFEPL8939G	M.E/M.Tech	25/07/2024	VLSI Design & Embedded Systems	0	0	0	Assistant Professor		29/08/2024	Regular	Yes		No
Dr. Shaik Khadar Zelani	BAEPK4686D	ME/M. Tech and PhD	21/12/2023	Antenna and Signal Processing	1	0	0	Professor	15/04/2024	15/04/2024	Regular	Yes		No
M. Suneel	BMJPM0364H	M.E/M.Tech	22/09/2011	Embedded Systems	7	0	0	Assistant Professor		28/09/2021	Regular	No	30/11/2024	No
Dr C.Pakkiraiah	AVNPC5697H	ME/M. Tech and PhD	20/05/2024	Very Large Scale Integration Systems Design	2	0	0	Associate Professor	01/06/2024	13/07/2020	Regular	No	27/08/2024	No
Dr.N.Vijaya Ratnam	AYPPN3621B	ME/M. Tech and PhD	31/05/2022	Communication & Networks Engineering	3	0	0	Associate Professor	01/06/2022	04/10/2021	Regular	Yes		No
Dr.B.Raghavaiah	APVPB6409A	ME/M. Tech and PhD	08/08/2019	Very Large-Scale Integration Systems Design	9	0	0	Professor	12/05/2022	12/05/2020	Regular	No	19/07/2024	No
M. Sivaji	CGMPM6796D	M.E/M.Tech	31/12/2016	Embedded Systems	2	0	0	Assistant Professor		01/08/2022	Regular	No	22/06/2024	No
K N Divya Bhargavi	EPFPK3863B	M.E/M.Tech	31/03/2017	Digital Electronics and Communication Systems	5	0	0	Assistant Professor		08/10/2021	Regular	No	30/11/2023	No
Dr R.Sambasiva Nayak	AUGPR0330L	ME/M. Tech and PhD	07/11/2020	Electronics & Communication Engineering	0	0	0	Associate Professor	06/07/2021	08/07/2019	Regular	Yes		No
Dr MuraliBabu K	BEGPK5272R	ME/M. Tech and PhD	30/09/2014	ELECTRONICS AND COMMUNICATION ENGINEERING	0	0	0	Professor	06/06/2022	06/06/2022	Regular	Yes		No

5.1 Student-Faculty Ratio (20)

Total Marks 16.00

Institute Marks : 16.00

UG

No. of UG Programs in the Department 1

Electronics & Communication Engineering						
Year of Study	**CAY**		**CAYm1**		**CAYm2**	
	(2024-25)		**(2023-24)**		**(2022-23)**	
	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	120	12	120	12	120	12
3rd Year	120	12	120	12	120	12
4th Year	120	12	120	12	120	12
Sub-Total	**360**	**36**	**360**	**36**	**360**	**36**
Total	**396**		**396**		**396**	
Grand Total	396		396		396	

PG

No. of PG Programs in the Department 1

VLSI System Design			
Year of Study	**CAY(2024-25)**	**CAYm1(2023-24)**	**CAYm2 (2022-23)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	9	9	9
2nd Year	9	9	9
Total	**18**	**18**	**18**
Grand Total	18	18	18

SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 1

Description	CAY(2024-25)		CAYm1 (2023-24)		CAYm2 (2022-23)	
Total No. of Students in the Department(S)	414	Sum total of all (UG+PG) students	414	Sum total of all (UG+PG) students	414	Sum total of all (UG+PG) students
No. of Faculty in the Department(F)	23	F1	23	F2	23	F3
Student Faculty Ratio(SFR)	18.00	SFR1=S1/F1	18.00	SFR2=S2/F2	18.00	SFR3=S3/F3
Average SFR	18.00	SFR=(SFR1+SFR2+SFR3)/3				
F=Total Number of Faculty Members in the Department (excluding first year faculty)						

Note: All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:

1. Shall have the AICTE prescribed qualifications and experience.

2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.

3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit

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(2024-25)	23	0
CAYm1(2023-24)	23	0
CAYm2(2022-23)	23	0

Average SFR for three assessment years :   18.00

Assessment SFR :   16

5.2 Faculty Cadre Proportion (25)   Total Marks 24.00

Institute Marks : 24.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2024-25)	2.00	2.00	4.00	2.00	13.00	19.00
CAYm1(2023-24)	2.00	2.00	4.00	2.00	13.00	19.00
CAYm2(2022-23)	2.00	2.00	4.00	2.00	13.00	19.00
Average Numbers	2.00	2.00	4.00	2.00	13.00	19.00

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 12.5 :   24.00

5.3 Faculty Qualification (25)

Total Marks 14.50

Institute Marks : 14.50

	X	Y	F	FQ = 2.5 x [(10X + 4Y) / F)]
2024-25(CAY)	4	19	20.00	14.50
2023-24(CAYm1)	4	19	20.00	14.50
2022-23(CAYm2)	4	19	20.00	14.50

Average Assessment :   14.50

5.4 Faculty Retention (25)

Total Marks 25.00

Institute Marks : 25.00

Description	2023-24	2024-25
No of Faculty Retained	22	18
Total No of Faculty	20	20
% of Faculty Retained	110	90

Average :   100.00

Assessment Marks :   25.00

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

Total Marks 20.00

Institute Marks : 20.00

Innovations by the Faculty in Teaching and Learning(20)

The Work Must Be Made Available on Institute Website(4)

Table 5.5.1: Summary of Innovative Teaching learning brought in by the Faculty for Academic Year: 2023 – 24

S. No	Faculty Name	Class - Year	Course	topics	Methodology/AID
1	Mr. Y R K Paramahamsa	II-I	STLD	Combinational circuits	Vlab
2	Mr. N Nagaraju	II-II	RVSP	Review of probability theory	Problem solving and exercises
3	Mrs. K Sowmya Sree	II-II	DICD	VHDL and Verilog	Lab based
4	Mr. M Suneel	III-1	AICA	Operational Amplifiers	Lab based
5	Mrs. G N P Jyothi	III-II	CN	Routing algorithms	Think-Pair-Share
6	Mr. K Sai Sudheer	III-II	DSP	DSP processors	Differentiation
7	Mr. J Jyothi Swaroop	IV-I	OC	Overview of optical fiber communication	Brain storming
8	Mrs. Karuna Gone	IV-I	SC	Introduction to satellite communication	Animation video

Pedagogical initiatives

The faculty members of the department adopted the following innovative teaching and learning methodologies to create the best learning environment for the students:

Small group activity(Role Play)

Reciprocal Learning(Brain Storming)

Group problem-solving(Mind Mapping)

Poster Presentation

Flipped classroom

Procedure for the above activities:

The students are formed into groups of 3-5 members, and roles are assigned.

The objective and outcomes of the project or problem are explained clearly.

The students are monitored during the activity.

The students are evaluated and assessed according to their involvement in the activity.

The results are analyzed by the faculty members, and appropriate feedback is given to them.

Availability of Pedagogical Initiatives (4)

Table 5.5.2: List of Pedagogical Initiatives by the Faculty Members Academic Year: 2024-25

S. No	Name of the Faculty	No. of Teaching Learning methodologies used	Link of webpage/blog/Google classroom/LMS etc.
1	Mr.D.Sridhar	1	https://classroom.google.com/c/NjU3MjU5NTUzNzAw/m/NzM2NTQxNzE3NzMy/details (https://classroom.google.com/c/NjU3MjU5NTUzNzAw/m/NzM2NTQxNzE3NzMy/details)
2	Mrs.P.Jyothi	1	https://classroom.google.com/c/NjI0NTg5OTYzMzc1?cjc=mpj4a5d (https://classroom.google.com/c/NjI0NTg5OTYzMzc1?cjc=mpj4a5d)
3	Mrs.J.S.Deepika	1	https://classroom.google.com/c/NzIzNjU0MDY2Nzg4?cjc=vyqm2gk (https://classroom.google.com/c/NzIzNjU0MDY2Nzg4?cjc=vyqm2gk)
4	Mrs.L.J.N.Sree Lakshmi	1	https://classroom.google.com/c/NzM2OTUxODE2OTM5?cjc=lfavp33 (https://classroom.google.com/c/NzM2OTUxODE2OTM5?cjc=lfavp33)
5	Mr. N Nagaraju	1	https://classroom.google.com/c/NzUzMTk5MTg1ODAw?cjc=6rqtaqed (https://classroom.google.com/c/NzUzMTk5MTg1ODAw?cjc=6rqtaqed)
6	Mrs. K Sowmya Sri	1	https://classroom.google.com/c/NzU2MzkyNjc5OTA1?cjc=pyz3wcl (https://classroom.google.com/c/NzU2MzkyNjc5OTA1?cjc=pyz3wcl)
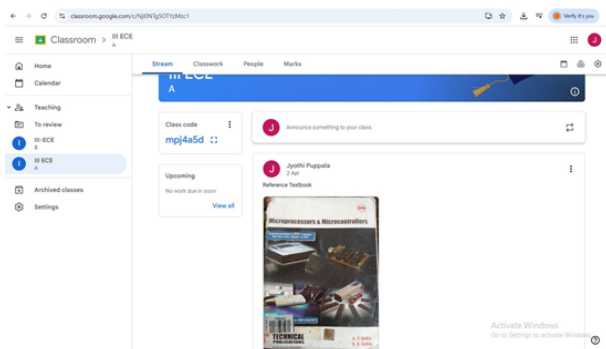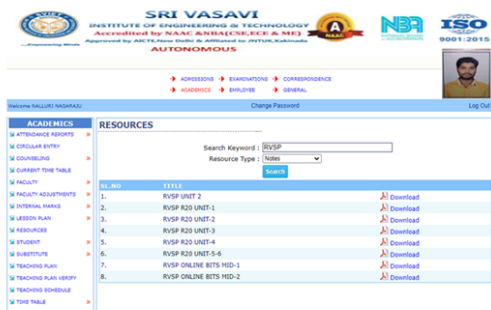
Fig 5.5.1 Images of LMS/Google classroom utilization

The Work Must Be Available For Peer Review and Critique(4)

Environmental Ethics and Climate changes
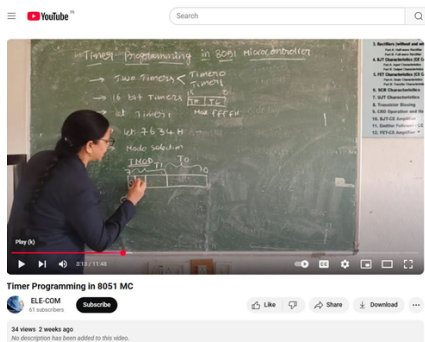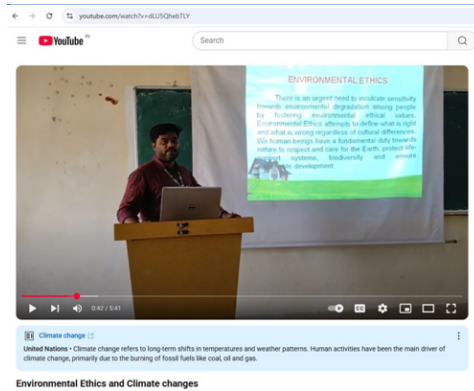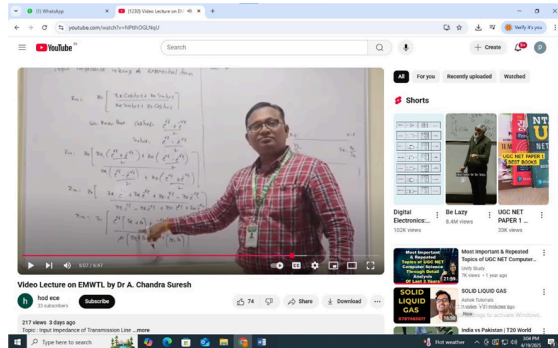
March 28, 2025

zelani shaik   Subscribe
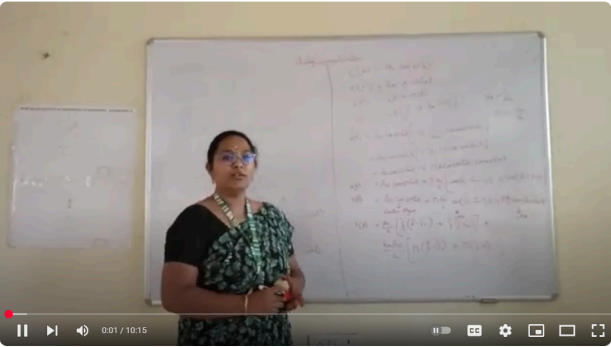
17 March 2025

k sowmya sri   Subscribe

Fig 5.5.2 Images of faculty videos in Youtube and reviews on them

The Work Must Be Reproducible and Developed Further By Other Scholars(2)
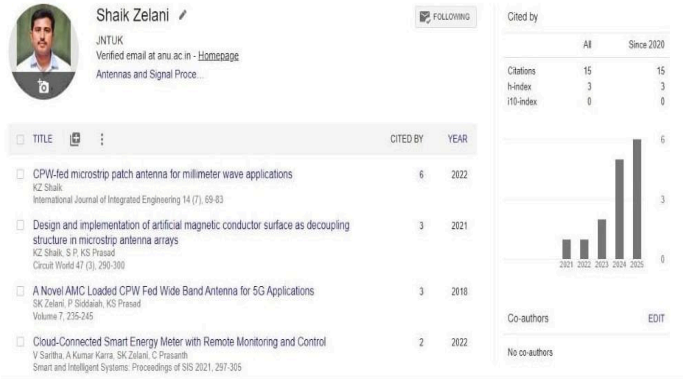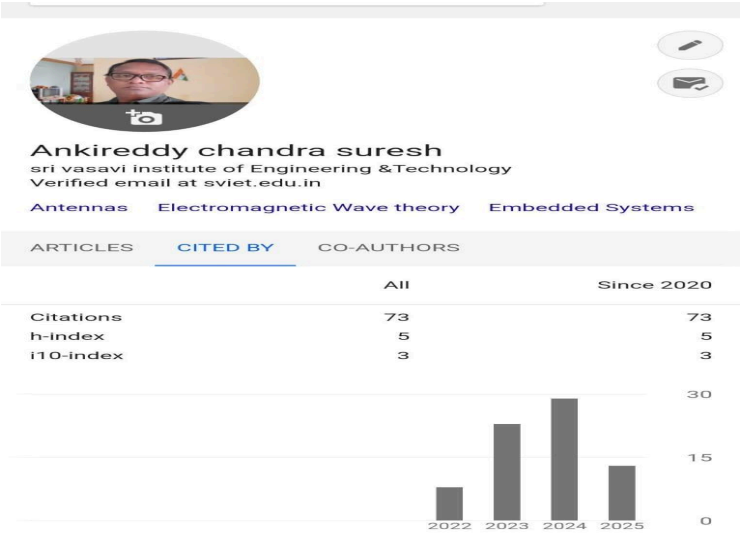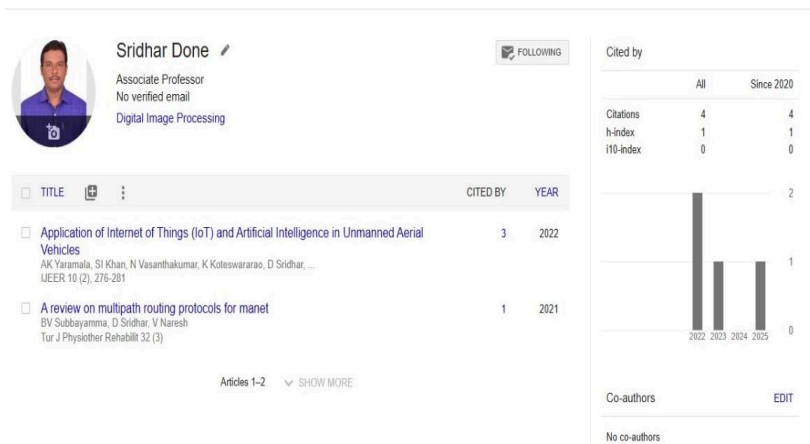
Fig 5.5.3 Images of Citations of faculty in Google Scholar

Statement of Clear Goals, Use of Appropriate Methods, Significance of Results, Effective Presentation and Reflective Critique (10)

Table5.5.3: Faculty Innovations use of appropriate methods & reflective critique

SVIET Faculty YouTube Lecture Videos		
1	Dr.Sk.K.Zelani	https://youtu.be/H4mDV8ChYT0?si=ZnvH1xqQUuc1CVew (https://youtu.be/H4mDV8ChYT0?si=ZnvH1xqQUuc1CVew)
2	Mr. K Sai Sudheer	https://youtu.be/FsCVnZxzH6g?si=FhAe25w4j_oXs20Q (https://youtu.be/FsCVnZxzH6g?si=FhAe25w4j_oXs20Q)
3	Mrs. K Sowmya Sree	https://youtu.be/3-IG0x5cnvw?si=YLewloiIXPTg3hXs (https://youtu.be/3-IG0x5cnvw?si=YLewloiIXPTg3hXs)
4	Mrs.L.J.N.Sree Lakshmi	https://youtu.be/7ICD8fyczT0?si=g2kRo_pKyUto1p1f (https://youtu.be/7ICD8fyczT0?si=g2kRo_pKyUto1p1f)
5	Mrs.J.S.Deepika	https://youtu.be/eoIVqmeyOtc?si=ecLx89O9JiW2y159 (https://youtu.be/eoIVqmeyOtc?si=ecLx89O9JiW2y159)
6	Ms.R.Tulasi	https://youtu.be/WNKDDa_nzQU?si=yKayis2LPiQloX7w (https://youtu.be/WNKDDa_nzQU?si=yKayis2LPiQloX7w)
7	Mr. N Nagaraju	https://youtu.be/dLU5QhebTLY?si=fvMIpK9FDHUf-4hR (https://youtu.be/dLU5QhebTLY?si=fvMIpK9FDHUf-4hR)
8	Mrs. Karuna Gone	https://youtu.be/hZVMDSIQHVo?si=PyiEwUxUrwpies5W (https://youtu.be/hZVMDSIQHVo?si=PyiEwUxUrwpies5W)
9	Mrs. P Jyothi	https://youtube.com/@jyothipuppala74?si=0Y1mUP5n3k6A3Ggs (https://youtube.com/@jyothipuppala74?si=0Y1mUP5n3k6A3Ggs)
10	Mrs. S.Rajeswari	https://youtu.be/wMvWeFnit8g?si=O8gdYiVfiDnn8snr (https://youtu.be/wMvWeFnit8g?si=O8gdYiVfiDnn8snr)
11	Dr A.Chandra Suresh	https://youtu.be/NPtlhOGLNqU?si=tV4E1YiroG-ZfYAc (https://youtu.be/NPtlhOGLNqU?si=tV4E1YiroG-ZfYAc)

Goal and Objective of the Innovative teaching in the Department :
As a department, in our view, teaching is a significant and rewarding part of education. In our research-driven careers, mostly it is overlooked that our future legacy is as much in our contributions to the progression of science as educationalists. Though occasionally regarded as related but dissimilar tasks, research and teaching are two faces of the same coin. We believe that great in research makes exciting things to share; and that expertise in teaching

so that things we share sound stimulating and compelling. We attempt to be sensitive to the fact that students come to a course with different backgrounds and skill levels. The challenge in teaching is to coach weaker students while not losing the attention of quicker students without squandering their initial enthusiasm for higher-level discussions. The Faculty at the Department of ECE always strive to provide the perception behind the techniques and theories being presented and draw the students' attention to the fundamental concepts underlying the materials taught. Besides, when presenting basic mathematical concepts or abstractions, we seek to identify the potential applications of these concepts in the solution of real-world problems. It helps us attract and support students' interest, and that, in our view, is a crucial element of effective teaching. One of our goals as educators is to get students to think critically, instilling a taste for challenging what they are taught. As engineers, we spend most of our time challenging established or perceived facts, and this is arguably the way we mature and manage to solve problems. Furthermore, we favor an accessible and interactive teaching style that invites student participation. Guided class discussions that encourage the students to think of possible solutions to a given problem is an excellent tool for us. We do not think this is a coincidence but a manifestation of the fact that it takes years to become an excellent educator. We understand our limitations and strive to become better in teaching and Learning. It is always a positive experience to address their concerns and make changes as needed. We put significant effort into creating an enjoyable classroom environment and usually develop friendly relationships with students, which helps get valuable feedback. We firmly believe in wedding research with the university's educational vision at both in graduate and the undergraduate levels. Even though undergraduates have to be inculcated with the fields core concepts in the short span of four years, we think they greatly benefit from closer interaction with faculty.
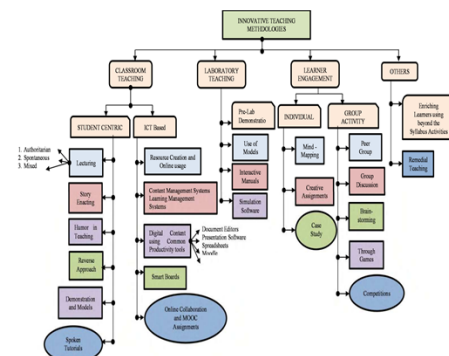
Fig 5.5.4 Various teaching methodologies used for teaching electronics engineering in the Department

The Department has effective practices and teaching methods for efficient use with computer-based technology solutions and integration with conventional methods. As each method results distinctly in the teaching-learning process at Higher Education; therefore, we believe that the innovative teaching methods not only organize the teacher's assignment but also significantly impact the student learning towards the engineering courses. It becomes crucial to develop and transfer the subject information and the students consistent assessment of acquired knowledge. The Integration of Communication and Technology (ICT) based teaching methods help to define, create, and formulate subject matter and efficiently disseminate information from the teachers. Incorporating the simulation approach in conjunction with physical experiments also significantly improves the students learning in the laboratory with appropriate pre-laboratory demos, innovative models, and manuals. The remedial classes and experience sharing of renowned subject experts also help in building the same foundation among the student group of the same class. Figure 5.5.4 shows the categorisation of various methodologies used for engineering teaching in the Department.

The lectures as a teaching method are evident because they narrate directly to the real skills of the teacher (lecturer) than to the teaching method itself. We categorize various electronic engineering education teaching pedagogy and methods for effective teaching in the undergraduate electronic engineering context.

To improve teaching effectiveness in an engineering context, traditional lecturing we reform to a student-centric strategy rather than a teacher-centric one. In general, teachers follow three ways of lecturing, namely Authoritarian (monologue), Spontaneous (dialogue), and hybrid (both monotonous and spontaneous). Outlining stories plays an integral role in maintaining interest amongst the audience and their eagerness to know the finishing. We believe developing any technology phase or background offered using the enacted story can make lecturing very significant and easy to understand. For example, the history of microwave devices can be framed in the story starting from the development of crucial electromagnetic equation by Maxwell to present magnetron by Hull can be linked within and between research of velocity modulation and klystron evolution by Varian brothers. An infectioussense of humor in teaching develop a welcome relief while trying to follow a difficult lecture on a complicated subject and maintains genial associations between learner and tutor. The Reverse Approach is an effective practice that involves explaining a particular concept(s) with a real-world application before teaching theorems and definitions. For example, in Electronic communication subject while teaching Microelectronics or VLSI, first the fascinating practical applications of the small devices in relatable to the student's day to day life must be explained which would create interest amongst students followed by the theory behind. For example, brief introduction of mobile phone gadgets (for VLSI and Microelectronic), LCD or LED television screen (for semiconductor nanotechnology), microwave oven (for RF and Microwave engineering), remote control (for communication), and Automatic washing machine (for microprocessor and embedded systems) drags the students interest to the subject area.

Tutorials are among the interactive and promising method used in comparison to book or lecture and seek to teach by example. Depending on the context, the tutorials are organized in various forms instructions to complete the task to an interactive problem-solving session. Almost all the subjects/ modules in engineering are associated with a laboratory where they conduct practical's and confirm experimentally the theoretical concepts taught to them.

The Mind Maps as a way of helping students to make notes that use only keywords and images, but teachers can also use the mind map to explicate concepts in an innovative way incorporating word, image, number, logic, rhythm, color, or spatial awareness. These techniques are prevalent and find extensively used for teaching-learning. In electronics engineering courses, for example, teaching color code sequence of resistor components Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, and White corresponding to 0 to 9 values can be quickly made learned to the student creating an exciting sentence to recognize the sequence as "B B ROY of Great Britain has a Very Good Wife." This method helps in teaching & learning quickly and stays longer without rehearsing.

Creative Assignments are certainly an impactful technique to make students self-work for Learning. This approach is highly appropriate for most electronics and communication engineering courses. Another essential tool is Case Study, which is based on a tricky open ended situation that requires the in-depth formulation and improves the ability to retain concepts throughout their professional life. The exciting but not too frustrating difficulties from the electronics subjects such as digital circuits and systems, electronic circuits and devices, control systems, circuit analysis, and design assembly language programming, memory designing and peripheral, etc. help the student to explore, inspect, study, and encourage interaction from outside world facilitators. This method is often productive if the case studies are used with student-generated work reports.

Based on simple methods, Demonstrations make the student observe, collect data, assist in setting experiments for the facilitator initially, and later perform the given task independently.

Group discussion, i.e., verbal exchange of ideas and Brainstorming, involves using different techniques like Problem Solving, Model Making, and Simplification with the allotment of a task theme to make the students work on it individually. The Learning by gaming is without boredom and untiring, and help the students to hold interest and never-lasting Learning of the subject. The subjective debates, elocutions, topical seminars, symposiums, workshops, pick and speak, and quizzes significantly affect Learning, with competitions generating fearlessness to address crowds. The other things which encourage active participation of students are also conducted. The peer group develops collaborative learning practice, and it is the best practice of combining them in a group for a thorough discussion circuit analysis in most of the courses.

Integration of ICT Based Teaching Methods in Teaching and Learning

A computer is an unavoidable tool currently, using which various applications for learning to engineer are realized—for instance, showing presentations and 3D graphics to make teaching effective and attractive. With interpretation, the presentable digital media can be effectively displayed using Over Head Projector (OHP) or LCD Projectors. The traditional handouts or lecture notes are also created into the digital content using multimedia technologies such as Photoshop to create image and video files, Sound Forge, and video converter to make the sound and animation for presentation. Particularly electronics engineering, where visualization plays an important role, animations and video can be a handy way for an explanation of working of electronic devices such as diode, various transistors, MOSFETs, power electronics thyristors, traveling wave tubes, etc. Also, the method can be helpful in representing complex notions such as electromagnetics, communication signals, optical communication, etc. Utilizing the ICT-based methods with the root concept of inverted classroom popular as the flipped classroom is an integrated strategy for teaching and enhanced learning in undergraduate electronics studies. The instructional contents are delivered and managed using online methods. Newer technologies, such as cloud-based study resources, model questions, lectures with supplementary videos, as well as.ppt notes, are being used to meet the educational needs of the students. Each course instructor has developed and adapted their inventive approach to incorporate this modern technology into the classroom to enhance and assure the quality of students Learning. The Department seeks to motivate students to pay full attention during class hours by using cutting-edge and novel teaching methods and assessment methods to improve student learning. Such implementations improve knowledge of the notion, accompanied by a rise in merit. In addition, slow learners are encouraged to engage more actively in the classroom environment.

Use of appropriate methods

Since the programs commencement, all the students are enrolled in a digital database ECAP. Furthermore, all course materials and essential technological supports, such as course handouts, course plans, PowerPoint slides, videos, question banks, sample questions, and previous question papers, are being uploaded and distributed to students using the Learning and Management System (LMS) system, accessible via the internet and intranet. In addition, ECAP facilitates track of students attendance and associated student information and their performance on examinations and other assessments and other information. Furthermore, the sophistication of classroom instruction is enhanced by the use of current tools such as "presentation," "animated videos/demonstration records," and "videos of demonstrations" for both theoretical and problematic courses. Student-created/downloaded clips for laboratory courses have increased the overall level of knowledge across all categories of students. Among the qualities of theory with practice and laboratory with projects are the merits of best practices/innovation by faculty on the development of upper-class students, which are divided into two categories: theory with practical and laboratory with projects. Following are some additional measures to understand the innovative practices by the faculty members towards the complete Learning of students,

1.The Department innovates the teaching and learning most explicitly. First, after careful preparation by the course teacher, the Course Coordinator, and the Program Coordinator, verify the course content. Then, final approved content and teaching materials are uploaded for the LMS to make it available for the students.

2. LMS is the acronym of Learning Management System; an indigenous development of access portal where all the course materials and the study matters by the faculty are put in the shared access for all the faculty, and endeavor the correction and error rectification by critique is possible and can be made to its enrichment.

3. ECAP is a distinct portal system for the data assignment with the student marks and relevant student details accessible to the concerned course teacher, the assigned class coordinators, and the faculty advisors for close interaction and monitoring of academic activities.

4. The faculty members also effectively handle the classroom through "Google Classroom" to adopt the flipped classroom, assignments and quiz submissions, and virtual Learning.

5. The course plan includes the curriculum contents as Theory with Practical and Laboratory components with the project for measuring performance in practical exposure of the content.

6. Invited by experts from the industry and academia, the departments organize add-on courses to cover content beyond the syllabus and recent trends. In addition, MOUs are signed with leading industries to bridge the gaps in the curriculum relevant to industrial needs.

7. Such practices led to innovative new ideological systems and few projects with improved techniques.

8. All the faculty members utilize online learning portals like NPTEL, SWAYAM and so on to stay aligned to the technological progression in their domains, and the best course outcomes are rewarded at the entities.

9. Uses of PPT, interactive classes, and Google classroom have eventually elevated learning stances in and along with the student and the instructor.

10. After completing each sessional examination, the student's results are analyzed by the Course coordinator, Program coordinator. The feedback and the course outcomes by the students are regularly checked.

11. The faculty members innovation was encouraged by indulging them to participate in the workshop and faculty development programmes and were envisaged to make the best out of the nut.
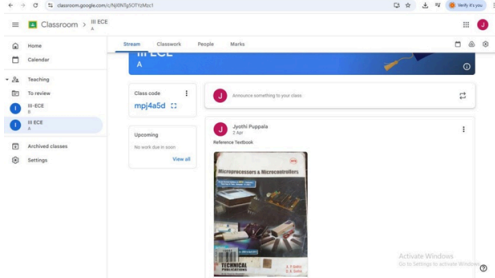
12. The faculties actively use research portals like Research Gate to share and comment on the Co-colleagues research work.

13. The use of virtual prototypes/simulations also plays a role in mitigating the technological limitation of students in understanding the basic working principle of any engineering system. For example, using a prototype to explain the working principles of an antenna system and communication is good to know virtual modules.

14. The Department also provides faculty members with technical visits to national and internationally renowned institutions to inculcate ideation.

15. Our faculty members also accompany students on their often planned field trips or technical visits to realize theory into practice. The field trips motivate our students to develop ideas on their projects and produce excellent results

Sl.No	Facilities	Remark
1	Smart Classroom	Smart classroom boards with interactive capabilities are available in almost all classrooms. Because of the variety of ways that information may be presented on smart boards, instruction becomes more engaging. Videos and presentations are utilized extensively in Smart classes. Students are more receptive to this type of instruction since it is aesthetically engaging. As a result, the animated graphics help students connect ideas more quickly. Students auditory and visual senses are focused in this method, which aids in their Comprehension of the material.
2	Theory with practical component	When used in conjunction with a well-structured discussion, the demonstration method is a highly effective teaching technique Students Understanding of concepts is enhanced by using theory classes and laboratory sessions in combination with laboratory sessions in isolation.
3	Online Courses	Edx, NPTEL, SWAYAM etc. are used by faculty and students to take online courses. It enables them to gain a better understanding of current trends and also to develop expertise in multiple fields. Certified by national and international universities, they are committed to lifelong education. In addition, experts and students from all over the world can interact and share ideas through online forums.

4	Google Classroom	Google Classroom is an application designed to improve the learning experience that has been integrated into our teaching and learning process to help student succeed, especially in this pandemic period. It allows you to interact with students 24 X 7, by posting technical content, notes, and assignments. It also makes it easier to conduct and evaluate online quizzes and tests. In addition, the tools provide opportunities for real-time collaboration and the ability to work from anywhere in the world.
5	Innovative assignments and Real-time problems	Assignments are given based on real-world engineering problems to assist students in understanding and to present solutions to those problems. Students are also given group assignments to help them improve their self-learning and teamwork skills.
6	Technical presentation	To transfer knowledge and overcome stage fright, students are encouraged to give presentations on any technical topic in their area of interest to their peers. It also helps them improve their communication skills and benefit them as they progress in their careers.
7	Industrial Visit / Training	Industrial visits and training sessions are organized to bridge the gap between theoretical Learning and practical training in a real-world environment. During industrial visits, students gain an understanding of industrial practices as well as an organizational hierarchy. In addition to the usual classroom learning, industrial visits provide active/interactive learning experiences outside the classroom environment.
8	Project Based Learning	The Department is embedded with E-YANTRA laboratory funded by MHRD. This lab acts as bridge between IIT BOMBAY and SVIET. The students gain the knowledge and skills necessary to design and build complex electronic systems through various activities, including projects in this lab. Such projects frequently require students to employ various learning techniques to be successful, including research, logical deduction, and iterative Learning (trial and error).In addition, as the projects are typically too large and complex for a single student to complete on their own, project-based Learning tends to encourage students to work in groups.

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

Total Marks 15.00

Institute Marks : 15.00

Name of the faculty	Max 5 Per Faculty		
	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
Dr A Chandra Suresh	5.00	5.00	5.00
Dr R Sambasiva Nayak	3.00	3.00	3.00
Dr Murali Babu K	3.00	2.00	0.00
K P R R Raju	5.00	5.00	3.00
D Sridhar	5.00	5.00	0.00
Y R K Paramahamsa	4.00	4.00	0.00
K Sai Sudheer	5.00	5.00	5.00
K G V Nageswara Rao	4.00	4.00	4.00
G N P Jyothi	3.00	3.00	4.00
J Jyothi Swaroop	4.00	4.00	4.00
K Mounika	2.00	2.00	2.00
B Sujatha	2.00	2.00	4.00
K Sowmya Sri	4.00	4.00	0.00
N Nagaraju	4.00	4.00	0.00
P Jyothi	4.00	4.00	0.00
G Karuna	4.00	4.00	0.00
Ch Amala	2.00	2.00	2.00
S Rajeswari	4.00	0.00	0.00
M Suneel	4.00	4.00	4.00
Dr C Pakkiraiah	4.00	4.00	4.00
Dr B Raghavaiah	0.00	4.00	4.00
M Sivaji	3.00	4.00	0.00
K N Divya Bhargavi	1.00	4.00	4.00

Dr N Vijaya Ratnam	4.00	4.00	4.00
Sum	83.00	86.00	56.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratioas per 5.1	20.70	20.70	20.70
Assessment [3*(Sum / 0.5RF)]	24.06	24.93	16.23

Average assessment over 3 years: 21.74

5.7 Research and Development (30)   Total Marks 20.00

5.7.1 Academic Research (10)

<div align="right">Institute Marks : 10.00</div>

A.Number of Quality Publications in Refereed/SCI Journals, Citations, Books/Book Chapters etc. (6)

Number of Quality Publications in Refereed Journals

Table 5.7.1.1: Summary of Quality Publications

Academic Year	2024-25	2023-24	2022-23	2021-22
No. of Publications	32	34	36	8

Table 5.7.1.2: Details of Faculty Publications, Academic Year: 2023-24

S. No	Author Name	Title of The Paper	Journal Name & Publisher Name	Vol. No., Issue No., Page No. & Date	ISBN/ISSN No (On Line & Print)	Link
1	Mr.K. Sai Sudheer	A Reliable And High Speed T Compute Sram Design With Dual-Split-Vdd Assist And Bit Line Leakage Compensation Leakage Compensation	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June%20:%202024/351_online.pdf (https://jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June%20:%202024/351_online.pdf)
2.	Mr.Mr.P. Srikanth	Voice Contolled Home Automation Sysytem	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
3.	Mrs.K.Sowmya Sri	Automatic Agriculture Robot	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
4.	Dr.C. Pakkiraiah	Designand Implementation Of Low Power Baugh-Wooley Multiplier Using Reversible Circuits	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)

5.	Mrs.Karuna Gone	Design & Analysis Of Multi Clocked Pipelined Processor Based On Risc-V	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
6.	Mr. D. Sridhar	Low-Power Redundant-Transition-Free Tspc Dual-Edge-Triggering Flip-Flop Using Single-Transistor-Clocked Buffer	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
7.	Dr. Dr. N Vijaya Ratnam	Li-Fi Or Vlc Based Indoor Localization Using Machine Learning	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
8.	Mrs.P Jyothi	Iot Based Smart Accident Detection And Insurance Claiming System	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
9.	Mr.P. Srikanth	Fingerprint Based Electronic-Voting Machine	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
10.	Mrs.S.Rajeswari	Design Low Power Performance Proposed Full-Adder Architecture	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)
11	Mr.M. Suneel	Design And Implementation Of Area-Optimized Aes Algorithm Using Pipeline Technology	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html)

12.	Mr. D. Sridhar	Cascode Cross-Coupled Stage High-Speed Dynamic Comparator In 65 Nm Cmos	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue%2001,%20January-June_2024_online.html)
13.	Mr.J. Jyothi Swaroop	Design A High Speed Lf Based Montgomery Multiplier For Security Applications	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue%2001,%20January-June_2024_online.html)
14.	Mrs.K. Sowmya Sri	Accident Detection And Alert System	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue%2001,%20January-June_2024_online.html)
15.	Mr.J. Jyothi Swaroop	Design A High Speed Lf Based Montgomery Multiplier	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue%2001,%20January-June_2024_online.html)
16	Mr.Y.R.K.Paramahamsa	Iot Based Automatic Shed System To Prevent Unwanted Rain Sensor For Growing Crops	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue%2001,%20January-June_2024_online.html)
17.	Mr.N.Nagaraju	Design Of High Efficient And High Speed Parallel Prefix Multiplier	**JNAO**	Vol. 15 Issue1 2024	1906-9685	https://www.jnao-nu.com/Vol.%2015,%20Issue.%2001,%20January-June_2024_online.html (https://www.jnao-nu.com/Vol.%2015,%20Issue%2001,%20January-June_2024_online.html)
18.	Mr.Mudunuru Suneel	Iot Basedsound And Air Pollution System Using Raspberry Pi Pico	**IJIRSET**	Vol. 11,Issue6	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
19.	Mrs.K. Sowmya Sri	Efficient Error Detection Structure For Linear Feed Back Shift Register	**IJIRSET**	Vol. 12,Issue2	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)

20.	Mr.N.Nagaraju	Implementation Of Home AutomationAnd Healthmonitoring System Using Raspberry Pi	**IJIRSET**	Vol. 11,Issue6	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
21.	Miss.K.Naga Divya Bhargavi	Gsm Based Multipurpose Uv-C Sterilizer	**IJIRSET**	Vol. 11,Issue6	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
22.	MR.Mudunuru Suneel	Lfsr Based Multi Layered Cryptography For Security Enhancement	**IJIRSET**	Vol. 12,Issue2	2320-6710	https://www.ijirset.com/ (https://www.ijirset.com/)
23.	Miss.K.Naga Divya Bhargavi	Gsm Based Multipurpose Uv-C Sterilizer	**NEC-ICASPC-2K23**	**NEC-ICASPC-2K23**	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
24.	Mrs.B.Sujatha	Face Recognition System Using Open Cv For Smart Attendance	**NEC-ICASPC-2K23**	**NEC-ICASPC-2K23**	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
25.	Mr.Mudunuru Suneel	Lfsr Based Multi Layered Cryptography For Security Enhancement	**NEC-ICASPC-2K23**	**NEC-ICASPC-2K23**	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)

26.	Mr.J.J.Swaroop	Smart Anti Theft Atm Security System Using Raspberrypi	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
27.	MrS.Mrs.P.Jyothi	Smart Security & Control Using Raspberry Pi	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
28.	Mrs.B.Sujatha	Controlling And Monitoring Home Appliances With Whats App Mesenger	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
29.	Mr.Y.R.K. Paramahamsa	Design Of Area Efficient Prbg Architecture Using Suqare Root Carry Select Adderr	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/) https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)

30.	Mr.N.Nagaraju	Qca Based Cost Efficient Code Convers With Temperature Stability	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
31.	Mrs.Mrs.P.Jyothi	Design And Implementation Of Iot Based Garbage Collection And Monitoring System Using Raspberry Pi	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)
32.	Dr.B.Raghavaiah	Reducing Overload Inb Router With Advanced Fifo Based Memory Units Using Fpga Technology	IJAEMA	Volume XV,Issue II,FEBRUARY 2023	0886-9367	https://ijaema.com/ (https://ijaema.com/)
33.	Dr.B. Raghavaiah	A Novel Architecture For Multiplier And Accumulator Unit By Using Hybrid Parallel Prefix Brent Kung Adder	IJAEMA	Volume XV,Issue II,FEBRUARY 2023	0886-9367	https://ijaema.com/ (https://ijaema.com/)
34.	Dr.B. Raghavaiah	Design Of Medicine Box Using Iot	NEC-ICASPC-2K23	NEC-ICASPC-2K23	978-93-91420-38-3	https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/ (https://www.nrtec.in/events/department-of-cse-is-organizing-an-international-conference-on-artificial-intelligence-and-its-emerging-areas-nec-icaiea-2k23-on-17th-18th-march-2023/)

Table 5.7.1.3: Details of Faculty Publications, Academic Year: 2022-23

S. No	Author Name	Title of The Paper	Journal Name & Publisher Name	Vol. No., Issue No., Page No. & Date	ISBN/ISSN No (On Line & Print)	Link
1.	Mr. M Suneel	Drivers Drowsiness and Alcohol Detection with Alarm System	**IJIRSET**	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/319_A6_NC1.pdf (https://www.ijirset.com/upload/2022/june/319_A6_NC1.pdf)
2.	Dr.B. Raghavaiah	Design and Implementation of Vehicle Theft Detection Using IoT	**IJIRSET**	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf (https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf)
3.	Dr.Ramesh A.P	Android Controlled Spy Robot with Night Vision Camera	**IJIRSET**	Volume 10, Issue 6, June 2022	2320-9798	https://ijarasem.com/admin/img/19_Android.pdf (https://ijarasem.com/admin/img/19_Android.pdf)
4.	Mr.M.Suneel	Smart Jacket for Industrial Employees	**IJIRSET**	Volume 10, Issue 6, June 2022	2320-9798	https://www.ijircce.com/get-current-issue.php?key=MTMz (https://www.ijircce.com/get-current-issue.php?key=MTMz)
5.	Mrs.B.Sujatha	Design and Implementation of Free Space Optical Communication System Using Hardware	**IJIRSET**	Volume 11, Issue 6, June 2022|	2320 – 3765	https://www.ijareeie.com/volume-11-issue-6 (https://www.ijareeie.com/volume-11-issue-6)
6.	Dr.M. Ranga Rao	Tracking System using LoRa Technology	**IJMRSET**	Volume 5, Issue 6, June 2022	2582-7219	https://www.ijmrset.com/upload/78_Tracking_NC.pdf (https://www.ijmrset.com/upload/78_Tracking_NC.pdf)
7.	Mr.K.Pithamber	Advanced Footstep Power Generation System Using RFID for Charging	**IJIRCCE**	Volume 10, Issue 6, June 2022	2320-9798	https://www.ijircce.com/get-current-issue.php?key=MTMz (https://www.ijircce.com/get-current-issue.php?key=MTMz)
8.	Dr. B. Raghavaiah	IoT Based Saline Level Monitoring System	**IJIRCCE**	Volume 10, Issue 6, June 2022	2320-9798	https://ijircce.com/admin/main/storage/app/pdf/MtSFGznXCl6lb6mD3TDHOhGpBkHUSnqVhpPKlY7i.pdf (https://ijircce.com/admin/main/storage/app/pdf/MtSFGznXCl6lb6mD3TDHOhGpBkHUSnqVhpPKlY7i.pdf)

9.	Miss.Naga Divya Bhargavi Kommineni	Detection of Fire Using color Image Processing Technique	**IJIRSET**	Volume 11, Issue 6, June 2022|	: 2320-6710	https://www.ijirset.com/upload/2022/june/317_A1_NC1.pdf (https://www.ijirset.com/upload/2022/june/317_A1_NC1.pdf)
10.	Dr.M. Ranga Rao	Development of Smart Medicine Box Using Raspberry Pi PICO	**IJIRSET**	|Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/320_Development%20_NC.pdf (https://www.ijirset.com/upload/2022/june/320_Development%20_NC.pdf)
11.	Dr.KPRR.Raju.	Accident Detection and Tracking of Vehicle	**IJIRSET**	|Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/321_Accident%20_NC.pdf (https://www.ijirset.com/upload/2022/june/321_Accident%20_NC.pdf)
12.	Dr. K.P R Ratna Raju	IoT Based Weather Monitoring System	**IJIRSET**	|Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/318_NC1.pdf (https://www.ijirset.com/upload/2022/june/318_NC1.pdf)
13.	Mrs. B. Sujatha	Speaking Mute People Using Hand Gestures	**IJIRCCE**	Volume 10, Issue 6, June 2022	2320-9798	https://www.ijircce.com/get-current-issue.php?key=MTMz (https://www.ijircce.com/get-current-issue.php?key=MTMz)
14.	Mr. E. Chandrasekhar	Vehicle Anti-Theft and Cloud Based Tracking System	**IJIRSET**	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/325_Vehicle_NC.pdf (https://www.ijirset.com/upload/2022/june/325_Vehicle_NC.pdf)
15.	Dr. N. Vijaya Ratnam	Design And Implementation Of Visible Light Communication System	**IJIRSET**	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/doc.html (https://www.ijirset.com/upload/2022/june/doc.html)
16.	Dr.N. Vijaya Ratnam	Design And Implementation Of Under Water Optical Communication System	**IJIRSET**	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/doc.html (https://www.ijirset.com/upload/2022/june/doc.html)
17.	Mr. J.Jyothi Swaroop	Development Of Soldiers Tracking And Health Monitoring System	**IJIRSET**	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf (https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf)
18.	Dr .B. Raghavaiah	Design And Implementation Of Vehicle Theft Detection Using Iot	**IJIRSET**	Volume 11, Issue 6, June 2022	2320-6710	https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf (https://www.ijirset.com/upload/2022/june/324_Design_NC.pdf)

19.	Dr .B. Raghavaiah	Smart Highway Road Accidents Prevent Using Iot And Machine Learning Based Frame Work	NEUROQUANTOLOGY	Volume 20, Issue 11, SEPTEMBER 2022	2035-2045	https://www.academia.edu/91758478/Sensitivity_Comparison_of_Thick_Film_Gas_Sensor_using_Machine_Learning_Technique? auto=download (https://www.academia.edu/91758478/Sensitivity_Comparison_of_Thick_Film_Gas_Sensor_using_Machine_Learning_Technique? auto=download)
20.	Dr .B. Raghavaiah	Sensitivity Comparison Of Thick Film Gas Sensor Using Machine Learning Technique	NEUROQUANTOLOGY	Volume 20, Issue 6,JUNE 2022	7803-7812	https://www.academia.edu/91758478/Sensitivity_Comparison_of_Thick_Film_Gas_Sensor_using_Machine_Learning_Technique? auto=download (https://www.academia.edu/91758478/Sensitivity_Comparison_of_Thick_Film_Gas_Sensor_using_Machine_Learning_Technique? auto=download)
21.	Dr .B. Raghavaiah	Dual Band Microstrip Patch Antenna For 3.5ghz And 5.8 Ghz For Wire Less Application	JAC	Volume XV,Issue IX,September 2022	0731-6755	https://jctjournal.com/volume-15-issue-ix-september-2022 (https://jctjournal.com/volume-15-issue-ix-september-2022)
22.	Dr .B. Raghavaiah	T-Shaped Micro Strip Patch Antenna Using Dielectric Resonator Technique For Ultre Wide Band Frequency	JAC	Volume XV,Issue X,October 2022	0731-6755	https://jctjournal.com/volume-15-issue-x-october-2022 (https://jctjournal.com/volume-15-issue-x-october-2022)
23.	Dr .B. Raghavaiah	DESIGN OF Cu-DOPED Sno_2 THICK – FILM GAS SNSOR FOR METHANOL USING ANN TECHNIQUE	SPRINGER	INTELLIGENT SYSTEM DESIGN	pp207-215	https://ouci.dntb.gov.ua/en/works/IRdDnQM7/ (https://ouci.dntb.gov.ua/en/works/IRdDnQM7/)
24.	Mr.M.SUNEEL	Iot BASED SOUND AND AIR POLLUTION SYSTEM USING RASPBERRY PI PICO	IJRSET	Volume 12,Issue3, MARCH 2023	2347-6710	https://www.ijirset.com/upload/2023/march/123_IOT1.pdf (https://www.ijirset.com/upload/2023/march/123_IOT1.pdf)

25.	Mr.Y.R.K. Paramahamsa	Design Of Area Efficient Prbg Agrihitecture Using Square Root Carry Select Adder	**IJIRCCE**	Volume 11,Issue3, MARCH 2023	2320-9798	https://www.ijircce.com/get-current-issue.php?key=MTQy (https://www.ijircce.com/get-current-issue.php?key=MTQy)
26	Mr.Y.R.K. Paramahamsa	Solar Based Smart Electric Fence With Automatic Irrigation	**IJAEMA**	Volume XV Issue iv, April 2023	0886-9367	https://ijaema.com/index.php/volume-xv-issue-iv-april-2023/ (https://ijaema.com/index.php/volume-xv-issue-iv-april-2023/)
27	Mr.J.J. Swaroop	Smart Anti Theft Atm Security System Using Raspberrypi	**IJIRCCE**	Volume11, issue 3,MARCH 2023	2320-9801	https://www.ijircce.com/get-current-issue.php?key=MTQy (https://www.ijircce.com/get-current-issue.php?key=MTQy)
28	Miss.K. Divya Bhargavi	A Reliable Approach To Secure Data Using Cryptosystem	**IJAREEIE**	Volume 12 ,Issue 4, April 2023	2320-3765	https://www.ijareeie.com/upload/2023/april/7_A%20Reliable_NC.pdf (https://www.ijareeie.com/upload/2023/april/7_A%20Reliable_NC.pdf)
29.	Mr.N.Nagaraju	Implementation Of Home Automation And Health Monitoring System	**IJAEMA**	Volume XV,Issue III,MARCH 2023	0886-9367	https://ijaema.com/index.php/volume-xv-issue-iii-march-2023/ (https://ijaema.com/index.php/volume-xv-issue-iii-march-2023/)
30	Mrs.K.Sowmya Sri	Sorting Network Generated Quick Binary Counters And Compressors	**IJMRSETM**	Volume 10 ,Issue 4, April 2023	2395-7639	https://ijaema.com/index.php/volume-xv-issue-iii-march-2023/ (https://ijaema.com/index.php/volume-xv-issue-iii-march-2023/)
31	Mr.N.Nagaraju	Qca Based Cost Efficient Code Converters With Temperature Stability	**Rb Journal Of Lib & Information Science**	Volume 13 ,Issue 3, 2023	0972-2750	https://journal-editor.org/alldocuments/66124.pdf (https://journal-editor.org/alldocuments/66124.pdf)
32	Mrs.P.Jyothi	Design And Implementation Of Iot Based Garbage Collection And Monitoring System Using Raspberry Pi	**Rb Journal Of Lib & Information Science**	Volume 13 ,Issue 3, 2023	0972-2750	https://journal-editor.org/alldocuments/66124.pdf (https://journal-editor.org/alldocuments/66124.pdf)

33	Mrs.P.Jyothi	Smart Security System Using Raspberry Pi	**IJAREEIE**	Volume 12 ,Issue 3, 2023	2320-3765	https://www.ijareeie.com/upload/2023/march/8_Smart_NC.pdf (https://www.ijareeie.com/upload/2023/march/8_Smart_NC.pdf)
34	Mr.M.Sivaji	Design And Development Of Fire Safety & Alerting System	**IJIRSET**	Volume 12 ,Issue 3, 2023	2319-8753	https://www.ijirset.com/upload/2023/march/65_Design_NC.pdf (https://www.ijirset.com/upload/2023/march/65_Design_NC.pdf)
35	Mr.C.Pakkiraiah	Skin Disease Detection Using Image Processing	**IJIRCCE**	Volume 11,Issue 3,March 2023	2320-9801	https://www.ijircce.com/get-current-issue.php?key=MTQy (https://www.ijircce.com/get-current-issue.php?key=MTQy)
36	Mr.M.Sivaji	Smart Bpm Monitoring System Using Raspberry Pi	**JMRSETM**	Volume 10,Issue 4, April 2023	2395-7639	https://www.ijirset.com/ (https://www.ijirset.com/)

Table 5.7.1.4: Details of Faculty Publications, Academic Year: 2021-22

S. No	Author Name	Title of The Paper	Journal Name & Publisher Name	Vol. No., Issue No., Page No. & Date	ISBN/ISSN No (On Line & Print)	Link
1.	M.Suneel	Drowsiness And Alcohol Detection With Alarm System	IJIRSET	Volume 10,Issue 6	2319-8753	https://www.ijirset.com/upload/2022/june/319_A6_NC1.pdf (https://www.ijirset.com/upload/2022/june/319_A6_NC1.pdf)
2.	Dr.B.Raghavaiah	Design And Implementation Of Vehicle Theft Detection Using Iot	IJIRSET	Volume 10,Issue 6	2319-8753	http://www.ijirset.com/upload/2022/june/324_Design_NC.pdf (http://www.ijirset.com/upload/2022/june/324_Design_NC.pdf)
3.	Dr.A.P.Ramesh	Android Controlled Spy Roboot With Night Vision Camera	IJIRCCE	Volume 10,Issue 6	2320-9801	https://ijircce.com/get-current-issue.php?key=MTMz (181 to 183) (https://ijircce.com/get-current-issue.php?key=MTMz)
4.	M.Suneel	Smart Jacket For Industrial Employees	IJIRCCE	Volume 10,Issue 6	2320-9801	https://ijircce.com/get-current-issue.php?key=MTMz (181 to 183) (https://ijircce.com/get-current-issue.php?key=MTMz)

5.	B.Sujatha	Design And Implementation Of Free Space Optical Communication System Using Harware	IJAREEIE	Volume 12,Issuee 6	2278-8875	http://www.ijareeie.com/upload/2022/june/52_Design_NC.pdf (http://www.ijareeie.com/upload/2022/june/52_Design_NC.pdf)
6	Dr.M.Ranga Rao	TRACKING SYSTEM USING Lora TECHNOLOGY	IJIRCCE	Volume 12,Issuee 6	2582-7219	http://www.ijmrset.com/upload/78_Tracking_NC.pdf
7	Dr.M.Ranga Rao	Design Of Ganana Yantram Using Arduino	IJIRCCE	Volume 10,Issue 6	2320-9801	http://www.ijmrset.com/upload/78_Tracking_NC.pdf
8	K.Sai Sudheer	Monitoring And Detection Of Railway Track Cracks	IJIRCCE	Volume 10,Issue 6	2320-9801	https://www.ijirset.com/upload/2022/june/325_Vehicle_NC.pdf (https://www.ijirset.com/upload/2022/june/325_Vehicle_NC.pdf)

Table 5.7.1.4: Summary of Patents

Academic Year	2023-24	2022-23	2021-22
No. of Publications	0	6	1

S.No.	Name of the Patent Holder	Designation	Application Number	Title of the Patent	Date of published
1.	Mr. A.ChandraSuresh	Associate professor	202241067163	Artificial Intelligent And IoT based Social Distance Monitoring Robot	25/11/2022
	Mr.J.Jyothi Swaroop	Assistant professor			
2.	Mr. A.ChandraSuresh	Associate professor	202241065203	Artificial intelligent based library system using Robot	25/11/2022
3.	Mr. A.ChandraSuresh	Associate professor	202241062895	Artificial intelligent based tracking of containers and baggage on air ports for detection of illegal and banned material	18/11/2022

4.	Mr. A.ChandraSuresh	Associate professor	202241053793	Artificial intelligent based generation of electric power by foot step using piezo sensor	30/09/2022
	Dr.B.Raghavaiah	Professor			
5.	Mr. A.ChandraSuresh	Associate professor	202241005299	Internet of Things and Artificial Intelligent based flood checking and prevention system	30/01/2022
	Ms.G.Sita Annapurna	Assistant professor			
	Mr.Venkata Sridhar Deevi	Assistant professor			
	Mr. N. Chandra Sekhar Reddy	Assistant professor			
6.	Mr. A.ChandraSuresh	Associate professor	202341003470	Secured Authentication for Door Locking and Momnitor System Using IoT	17/02/2023
	Dr.B.Raghavaiah	Professor			

B. Ph.D Guided /Ph.D awarded During the Assessment Period While Working in the Institute (4)

Table 5.7.1.5: Details of faculty Ph.D Awarded

S.No.	Name of the Faculty	Ph.D Awarded During the Academic year	Outcome
1.	Mr. A Chandra Suresh	2024-25	Ph.D. Completed
2.	Mr. C.Pakkiraiah	2023-2024	Ph.D. Completed
3	Mr. N.Vijaya Ratnam	2021-2022	Ph.D. Completed

Table 5.7.1.6: Details of faculty Ph.D Pursuing

S.No.	Name of the Faculty	Ph.D Registered During the Academic year	Outcome of The Research Work
1.	Mr.D.Sridhar	16/10/2024	Pursuing Ph.D
2.	Mr. J.J.Swaroop	16/10/2024	Pursuing Ph.D
3	Mr. N.Nagaraju	16/10/2024	Pursuing Ph.D
4.	Mr. K.Sai sudheer	18/07/2023	Pursuing Ph.D

5.7.2 Sponsored Research (5)   Institute Marks :

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount

Cumulative Amount(X + Y + Z) =

5.7.3 Development Activities (10)

Institute Marks : 10.00

Development Activities

A. Product Development Apart from the products / prototypes developed by the students as part of their main projects.

A.Y:2023-24

S. No	Faculty Name	Product Name	Description of the Product	No. of Faculty Involved	No. of Students Involved
1.	Mr. A.Chandra Suresh	Autonomous wheel chair	Design of Wheel chair for disable people to move from one place another place. The wheel chair can take the commands from guester and blutooth also. According to the commands given by the disable people the wheel chair can move.	01	04
2.	Mrs.P Jyothi	IoT Based Smart Accident Detection And Insurance Claiming System	Designed a smart accident detection and insurance claiming system using IoT .Owing to ever growing vehicle rate, a momentous growth in the number of accidents is also increasing. Vehicles implanted with huge number of sensors permit the people to monitor the present state of the .When ever the accident occur this device sends alerts to nearest police station and ambulance services. This system also imparted with insurance Calming without any delay by sending information while accident occurred.	01	04
3.	Mr.M.Suneel	Iot Based sound And Air Pollution System Using Raspberry Pi Pico	This product can measure the air quality. It has analog output and connected to analog pin of raspberry pi pico. DHT11 sensor can measure temperature and humidity and it works on one wire protocol.	01	04

Figure.5.7.3.1 Autonomous wheelchair developed for e-Yantra competition

A.Y:2022-23

S. No	Faculty Name	Product Name	Description of the Product	No. of Faculty Involved	No. of Students Involved
1.	Mr. A.Chandra Suresh	Detection of Fake Fingerprint Authentication System	Designed a product to identify the proxy finger print authentication.This product got First Prize in SIH-2022	01	06
2.	Miss.K.N D Bhargavi	Detection of Fire Using color Image Processing Technique	This system uses HSV and YCbCr color models with given conditions to separate orange, yellow, and high brightness light from background and ambient light. Whenever the fire occur it will detect and send the information to nearest fire stations.	01	04
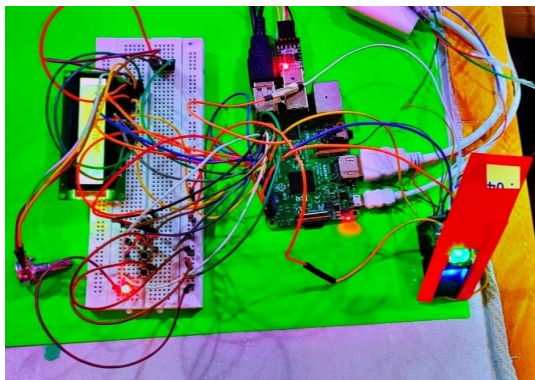
Figure.5.7.3 .2 Proxy fingerprint identification system for SIH Competition

A.Y: 2021-22

S. No	Faculty Name	Product Name	Description of the Product	No. of Faculty Involved	No. of Students Involved
1.	Mr.K.Sai Sudheer	Monitoring And Detection Of Railway Track Cracks	Railway track crack monitoring and detection systems use sensors like ultrasonic, acoustic emission, and IR to identify cracks, with GPS modules pinpointing their location for timely maintenance and accident prevention.	01	04

B. Research Laboratories

A research laboratory is provided for the research of Department of Electronics & Communication Engineering. Research lab is well equipped with facilities required for research. Research lab consists of high configuration systems, EDA tools like XILINX, VIVADO,TANNER .The students are trained in this lab for Smart India Hackthons and e Yantra competitions

List of Research Activities in this Lab

Table 5.7.3.1: Details of Research activities

S.No	Name of the Faculty	Area of Research	Outcomes of the Research Work
1.	Mr. D Sridhar	VLSI	A Novel and High-precise Approximate Multiplier with evolvable truncation D Sridhar, NN Raju, KVB Bhagyalakshmi, LVNG Pennaru, MA Mubarakpasha 2023 Eighth International Conference on Science Technology …, 2023
2.	Mr. D Sridhar	VLSI	Non volatile D-Latch and flip-flop Design based on New Memristor technology D Sridhar, NN Raju, C Hema, S Vijaya, BS Sai, DV Jayasurya 2023 Eighth International Conference on Science Technology…, 2023•ieeexplore.ieee.org

C. Instructional Materials

Course Files as Instruction Material

Table 5.7.3.2: Details of Course Files,   **Academic Year: 2023-24**

S. No	Name of the Faculty	Course File Prepared	Class &Semester
1	Mr. J Jyothi Swaroop	**OC**- Optical Communication **(PE 3)**	IV–IECE
2	Mrs. Karuna Gone	**SC-** Satellite Communication **(PE-4)**	IV-IECE
3	Mrs.S Rajeswari	**RE-** Radar Engineering **(PE-5)**	IV-IECE
4	Mr. M Sivaji	**IOT-** Introduction to Internet Of Things **(OE-3)**	IV-IECE

5	Mrs. K Sowmya Sree	**CNS**- Cryptography & Network Security (**OE-4**)	IV-IECE
6	Mrs. A N V D Padmaja	**HSS**- Humanities & Social Science (**HS**)	IV-IECE
7	Mr. U Eswar Krishna Nadh	**HSS**- Humanities & Social Science (**HS**)	IV-IECE
8	Mr. M Suneel	**AICA-** Analog ICs & Applications	III-I ECE
9	Mr.A Chandra Suresh	**EMWTL-** Electro Magnetic Waves & Transmission Lines	III-I ECE
10	Dr. N Vijaya Ratnam	**DC –** Digital Communication	III-I ECE
11	Dr. Murali Babu K	**DC –** Digital Communication	III-I ECE
12	Ms. K N Divya Bhargavi	**COA-** Computer Organization & Architecture (**OE-1**)	III-I ECE
13	Mrs.P Jyothi	**EMI-** Electronic Measurements & Instrumentation (**PE-1**)	III-I ECE
14	Dr. B Raghavaiah	**EMI-** Electronic Measurements & Instrumentation (**PE-1**)	III-I ECE
15	Mr. D Sridhar	**EDC**- Electronic Devices and Circuits	II-I ECE
16	Mr. Y R K Paramahamsa	**STLD-** Switching Theory and Logic Design	II-I ECE
17	Mr. C Pakkiraiah	**S&S**- Signals and Systems	II-I ECE
18	Mr. P V Naresh	**M-III**- Mathematics –III	II-I ECE
19	Mrs. B Mounika	**M-III**- Mathematics –III	II-I ECE
20	Mr. N Nagaraju	**RVSP**- Random Variables and Stochastic Processes	II-I ECE
21	Mrs P Jyothi	**MPMC-** Microprocessor and Microcontrollers	III-II ECE
22	Mrs. Karuna Gone	**MPMC-** Microprocessor and Microcontrollers	III-II ECE
23	Mr. D Sridhar	**VLSID-** VLSI Design	III-II ECE
24	Mr. M Sivaji	**VLSID-** VLSI Design	III-II ECE
25	Mr. K Sai Sudheer	**DSP-** Digital Signal Processing	III-II ECE
26	Mrs. Ch Amala	**DSP-** Digital Signal Processing	III-II ECE
27	Mr.A Chandra Suresh	**ES-** Embedded Systems (PE2)	III-II ECE
28	Mr.Y R K Paramahamsa	**ES-** Embedded Systems (PE2)	III-II ECE
29	Mr. M Suneel	**CN-** Computer Networks (OE2)	III-II ECE
30	Mrs. G N P Jyothi	**CN-** Computer Networks (OE2)	III-II ECE
31	Dr. N Vijaya Ratnam	**ECA-**Electronic Circuit Analysis	II-II ECE
32	Dr. B Raghavaiah	**ECA-**Electronic Circuit Analysis	II-II ECE
33	Mrs. K Sowmya Sree	**DICD-** Digital IC Design	II-II ECE

34	Dr. Murali Babu	**DICD-** Digital IC Design	II-II ECE
35	Mr. J Jyothi Swaroop	**AC-**Analog Communications	II-II ECE
36	Mr. N Nagaraju	**AC-**Analog Communications	II-II ECE
37	Mr. C Pakkiraiah	**LCS-** Linear control Systems	II-II ECE
38	Mrs. S Rajeswari	**LCS-** Linear control Systems	II-II ECE
39	Mrs. K Bhavani	**MOB-** Management and Organizational Behavior	II-II ECE
40	Mr. U Eswar Krishna Nadh	**MOB-** Management and Organizational Behavior	II-II ECE

Table 5.7.3.3.:Details of Lab Files, Academic Year: 2023-24

S. No	Nameof the Faculty	Lab Files Prepared	Class & Semester
1	Mr.A Chandra Suresh/Mrs. G N P Jyothi/ Mrs. K Mounika	**DT LAB-**Designer Tools	IV-IECE
2	Mr. A Chandra Suresh/Mrs. P Jyothi/Mrs. B Sujatha	**DT LAB-**Designer Tools	IV-IECE
3	Mr. M Suneel / Mrs. S Rajeswari	**AICA LAB-** Analog ICs & Applications Lab	III-I ECE
4	Dr.B Raghavaiah / Mrs.P Jyothi	**AICA LAB-** Analog ICs & Applications Lab	III-I ECE
5	Dr. Murali Babu K / Mrs. Ch Amala	**DC LAB –** Digital Communication Lab	III-I ECE
6	Dr. N VujayaRatnam/ Mrs. K Sowmya Sree /	**DC LAB –** Digital Communication Lab	III-I ECE
7	Mrs.K Anusha/ Mrs. T Veena	**DS LAB-** Data Structures Using JAVA Lab	III-I ECE
8	Mrs. T Veena / Mrs. K Anusha	**DS LAB-** Data Structures Using JAVA Lab	III-I ECE
9	Mrs. A Annapurna / Mr. M N Vamsi	**OOPS Lab-** OOPS through JAVA Lab	III-I ECE
10	Mrs. A Annapurna / Mrs. D Aruna	**OOPS Lab-** OOPS through JAVA Lab	III-I ECE
11	Mr. D Sridhar/ Ms. K N Divya Bhargavi	**EDC Lab-** Electronic Devices and Circuits Lab	II-I ECE
12	Mrs. G N P Jyothi/Mrs. K Mounika	**EDC Lab-** Electronic Devices and Circuits Lab	II-I ECE
13	Mr. Y R K Paramahamsa/ Mrs. Karuna Gone	**STLD Lab-** Switching Theory and Logic Design Lab	II-I ECE

14	Mr. C Pakkiraiah/Mr.M Sivaji	**STLD Lab**- Switching Theory and Logic Design Lab	II-I ECE
15	Mr.N Nagaraju/ Mr. J Jyothi Swaroop	**PP Lab**- Python Programming Lab	II-I ECE
16	Dr. B Raghavaiah/ Mrs. B Sujatha	**PP Lab**- Python Programming Lab	II-I ECE
17	Mr. D Adithya Kumar	**Soft Skills**	II-I ECE
18	Mrs. G N P Jyothi/ Mrs. P Jyothi/ Mrs. Karuna Gone	**MPMC LAB**- Microprocessor and Microcontrollers - Lab	III-II ECE
19	Mrs. G N P Jyothi/ Mrs. P Jyothi/ Mrs. Karuna Gone	**MPMC LAB**- Microprocessor and Microcontrollers – Lab	III-II ECE
20	Mr. D Sridhar/ Mrs. B Sujatha/ Mr. M Sivaji	**VLSID LAB**- VLSI Design Lab	III-II ECE
21	Mr. D Sridhar/ Mrs. B Sujatha/ Mr. M Sivaji	**VLSID LAB**- VLSI Design Lab	III-II ECE
22	Mr. K Sai Sudheer/ Mr.C Pakkiraiah/ Mrs. Ch Amala	**DSP LAB**- Digital Signal Processing Lab	III-II ECE
23	Mr. K Sai Sudheer/ Mr.C Pakkiraiah/ Mrs. Ch Amala	**DSP LAB**- Digital Signal Processing Lab	III-II ECE
24	Mr. A Chandra Suresh/ Mrs. K Mounika/ Mr. N Nagaraju	**ARM LAB**-ARM based/ Aurdino based Programming	III-II ECE
25	Mr. A Chandra Suresh/ Mrs. K Mounika/ Mr. N Nagaraju	**ARM LAB**-ARM based/ Aurdino based Programming	III-II ECE
26	Dr. N VijayaRatnam/ Dr. B Raghavaiah/ Mrs. S Rajeswari	**ECA LAB**- Electronic Circuit Analysis Lab	II-II ECE
27	Mrs. B Sujatha/ Mrs. S Rajeswari	**ECA LAB**- Electronic Circuit Analysis Lab	II-II ECE
28	Mr. M Suneel/ Mr. J J Swaroop	**AC LAB**-Analog Communications Lab	II-II ECE
29	Mr. M Suneel/ Mr. J J Swaroop	**AC LAB**-Analog Communications Lab	II-II ECE

30	Dr. Murali Babu/ Mrs. K Sowmya Sree/ Mrs. K Mounika	**DICD LAB-** Digital IC Design Lab	II-II ECE
31	Mr.Y R K Paramahamsa/ Mrs. K Mounika/ Mrs. K Sowmya Sree	**DICD LAB-** Digital IC Design Lab	II-II ECE
32	Dr. Ch. S Sailaja	**SS-** Soft Skills	II-II ECE
33	Mr. S Hidayatullah	**SS-** Soft Skills	II-II ECE

D.Working Models /Charts/Monograms etc.

5.7.4 Consultancy(from Industry) (5)   Institute Marks :

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount

Cumulative Amount(X + Y + Z) =

5.8 Faculty Performance Appraisal and Development System (FPADS) (30)   Total Marks 30.00

Institute Marks : 30.00

A. A well -defined performance appraisal and development system instituted for all the assessment years (10)

Faculty members of Higher Engineering Institutions today have to perform a variety of tasks pertaining to diverse roles. In addition to instruction, faculty members need to innovate and conduct research for their self-renewal, keep up-to-date with changes in technology, and develop expertise for effective implementation of curricula. They are also expected to provide services to the industry and community for understanding and contributing to the solutions of real life problems in industry. Another role relates to the shouldering of administrative responsibilities and co-operation with other faculty, Head of Departments and the Head of the Institution. An effective performance appraisal system for faculty is vital for optimizing the contribution of individual faculty to institutional performance.

The Performance Appraisal System Details
The performance appraisal system of the staff is evaluated and ensured information on multiple activities is appropriately captured and considered for better appraisal through the following steps:
Step1: Yearly Self-Appraisal
- Based on academic results
- Faculty achievements such as research contribution(paper publications and funded R&D projects and consultancy)
- Number of workshops and training programs conducted.
- Memberships in professional societies.
- Additional responsibilities contributing towards administration.

Step2: Student Feedback on Faculty
Step3: HoD Recommendations.
Self-Appraisal
The following parameters are appraised for the faculties
- Instructional work assigned
- Supervisory/guide support provided to UG&PG Projects
- Responsibilities undertaken as coordinator for Institutional Committees/Event etc.
- Activities Organized:(Seminars/Workshops/Conferences/Symposia/ Continuing Education Programmes etc.)
- Research papers/Books published/Conferences /Articles/Monographs etc.
- Sponsored Projects /Consultancy
- Participation (Seminars/Workshops/Conferences/Symposia/Continuing Education Programs /Training etc.)

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FACULTY SELF ASSESSMENT FOR THE ACADEMIC YEAR 2023-24

01. General Information:

- (a) Name in full :
     (in block letters)
- (b) Department :   .

02. Academic Qualifications:

Qualification	Year of passing	Institution
UG:		
PG:		
Ph.D:		

- (a) Additional Qualifications / :
     Fellowships/Memberships/certificate courses
- (b) Area of specialization, if any :
- (c) Date of Joining :
- (d) Present designation and date of
     Appointment to that designation :

03. Experience :

- (a) Industrial experience if any :
- (b) Teaching experience total :

Name of the college	From (Date/Month/Year)	To (Date/Month/Year)	Experience in years
SVIET			
Other Colleges			

PART - A

A1.Student feedback: (Theory subjects only)   - 20 M

S. No	Year-Sem-Branch-Sec	Subject Name	No.of students	Percentage	Average %	Self Assessment Marks
1						
2						
3						
4						
5					>=90&<100= 20	
6					>=80&<90 =15	
7					>=70&<80 = 10	
8					>=60&<70 =05	

A2. Subjects Average Pass Percentage: - 20 M

S. No	Subject Name	Year-Sem-Branch-Sec	No of students appeared (A)	Passed (B)	Pass Percentage (B/A*100)	Average %	Self Assessment Marks
1							
2							
3							
4							
5						>=90&<100 = 20	
6						>=80&<90 =15	
7						>=70&<80 = 10	
8						>=60&<70 =05	

A3. Average Academic Classes (Theory only) :   - 10 M

S. No	Subject Name	Year-Sem-Branch-Sec	No.of periods as per lesson plan(A)	No.of periods conducted (B)	Percentage of classes taken in allotted subjects (B/A*100)	Average %	Self Assessment Marks
1							
2							
3							
4							
5							
6						>=100 =10	
7						>=90&<100 = 7	
8						>=80&<90 = 3	
						<80= 0	

PART – B

B1. Workshops, Teaching-Learning-Evaluation Technology Programs, Faculty Development   - 20 M
Programs: STTP (Short term training programs) attended, Online Certificate courses

S. No	Program	Duration	Date & Place	Organized by
1		.		
2				
3				
4				
5				
6				
7				
8				

* Two per year out of which one should be at a venue above 200kms from the college preferably NITs/Reputed Universities/IITS

B2. Research Publications and Academic Contributions: **- 10 M**

S. No	Type of Research Papers	No.of Papers	Maximum Self Assessment Marks	Obtained Self Assessment Marks (Maximum Marks 10)
1	1 Scopus/SCI indexed papers/Chapters/Book		10 M	
2	1 National International Journals(Non Paid)		07 M	
3	1 Reputed conference Papers		05 M	
4	1 Journal Conference Papers		05 M	
5	No Journal / Conference Papers		0 M	

B2. a) Scopus/SCI indexed Journals papers:

S. No	Journal details and title with Page No's	ISSN/ SCOPUS No.	Whether peer reviewed impact Factor, if any	Specify Author 1/ Author 2 / Author 3
1				
2				

B2. b) National /International Journals(Non Paid) :

S. No	Journal details and title with Page No's	ISSN/ SCOPUS No.	Whether peer reviewed impact Factor, if any	Specify Author 1/ Author 2 / Author 3
1				
2				

B2. c) Reputed Conference Papers:

S. No	Title with Page No's	International / National Conference	Details of Conference	Specify Author 1/ Author 2 / Author 3
1				
2				

B2. d) Journal / Conference Papers:

S. No	Title with Page No's	International / National Journals Conference	Details of Journal / Conference	Specify Author 1/ Author 2 / Author 3
1				
2				

B3. Proctoring Students Average Value additions: **- 10 M**

S. No	No.of students allotted for proctoring	Year-Sem-Branch-Sec	No.of students participated in Paper presentations/Posters presentations/Technical exhibitions etc outside the campus (A)	No.of students won prizes (B)	percentage (B/A)*100	Average %	Self Assessment Marks
1							
2							
3							For Merely Participation = 5
4							For winning prize = 5
5							Nil = 0

* 06 different students in a semester to be participated

B4. Proctoring Students Average pass percentage: **- 10 M**

S. No	No.of students allotted for proctoring	Year-Sem-Branch-Sec	No.of students eligible for end exams (A)	No.of students passed (B)	Pass percentage (B/A)*100	Average %	Self Assessment Marks
1							
2							>= 70 =10
3							>= 65 &< 70= 8
							>=60&< 65= 6
4							>=50&<55 = 4
5							<55 = 0

Staff Appraisal – Points Earned:

PART - A				PART - B					TOTAL SUM (A + B)
Students feedback % (20M)	Subjects Average Pass % (20M)	Average Academic Classes % (10M)	Sum of A	Workshops/ STTP/ FDP/ Online course (20M)	Research Publications and Academic Contributions (10M)	Proctoring Students Average Value additions % (10M)	Proctoring Students Average pass %(10M)	Sum of B	Total out of (100M)

C. Additional responsibilities in the Department / College:

S. No	Responsibility	Assigned by	Duration	Outcome
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Date: **Signature of Faculty**

Performance Based Appraisal – Points Earned

PART - A				PART - B					TOTAL SUM (A + B)
Students feedback % (20M)	Subjects Average Pass % (20M)	Average Academic Classes % (10M)	Sum of A	Workshops/ STTP/ FDP/ Online course (20M)	Research Publications and Academic Contributions (10M)	Proctoring Students Average Value additions % (10M)	Proctoring Students Average pass %(10M)	Sum of B	Total out of (100M)

Remarks of the HOD:

Signature

Remarks of the Principal:

Signature

Fig 5.8.1: Sample Faculty Annual Appraisal Report

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FACULTY SELF ASSESSMENT FOR THE ACADEMIC YEAR 2023-24

01. General Information:

(a) Name in full (in block letters) : NALLURI NAGARAJU

(b) Department : ECE

02. Academic Qualifications:

Qualification	Year of passing	Institution
UG: B.Tech	2013	Loyola Institute of Technology & Management
PG: M.Tech	2018	DJR College Of Engineering & Technology
Ph.D:		

(a) Additional Qualifications / Fellowships/Memberships/certificate courses : MISTE, IAENG

(b) Area of specialization, if any : VLSI & ES

(c) Date of Joining : 22-07-2022

(d) Present designation and date of Appointment to that designation : Assistant Professor, 22-07-2022.

03. Experience :

(a) Industrial experience if any : —

(b) Teaching experience total : 6 Years (B.Tech) + 4.5 Years (Diploma)

Name of the college	From (Date/Month/Year)	To (Date/Month/Year)	Experience in years
SVIET	22-07-2022	Till	
Other Colleges	23-06-2018	21-07-2022	04 Years

PART - A

A1.Student feedback: (Theory subjects only)   - 20 M

S. No	Year-Sem-Branch-Sec	Subject Name	No.of students	Percentage	Average %	Self Assessment Marks
1	II ECE-A sec	RVSP, Phase-1	43	78		
2	II-I ECE B sec	RVSP, Phase-1	38	93	86%	15M
3	II-I ECE-A sec	RVSP, Phase-2	37	86		
4	II-I ECE-B sec	RVSP, phase-2	22	87		
5						
6					>=90&<100= 20	
7					>=80&<90 =15	
8					>=70&<80 = 10 >=60&<70 =05	

A2. Subjects Average Pass Percentage: - 20 M

S. No	Subject Name	Year-Sem-Branch-Sec	No of students appeared (A)	Passed (B)	Pass Percentage (B/A*100)	Average %	Self Assessment Marks
1	RVSP	II ECE-A	60	55	91.6%	94.9%	20M
2	RVSP	II ECE-B	59	57	96.6%		
3							
4						>=90&<100 = 20	
5						>=80&<90 =15	
6						>=70&<80 = 10	
7						>=60&<70 =05	
8							

A3. Average Academic Classes (Theory only) :   - 10 M

S. No	Subject Name	Year-Sem-Branch-Sec	No.of periods as per lesson plan(A)	No.of periods conducted (B)	Percentage of classes taken in allotted subjects (B/A*100)	Average %	Self Assessment Marks
1	RVSP	II-I ECE A	58	60	103	104%	10M
2	RVSP	II-I ECE B	58	61	105		
3							
4							
5						>=100 =10	
6						>=90&<100 = 7	
7						>=80&<90 = 3	
8						<80= 0	

PART – B

**B1. Workshops, Teaching-Learning-Evaluation Technology Programs, Faculty Development   - 20 M
Programs: STTP (Short term training programs) attended, Online Certificate courses**

S. No	Program	Duration	Date & Place	Organized by
1	STTP	21 Days	14.02.2024 to	IETE –Pantech
2			05.03.2024 (Online)	
3	PCB Workshop	2 Days	18.10.2023 – 19.10.23	SUIET
4				
5				
6				
7				
8				

* Two per year out of which one should be at a venue above 200kms from the college preferably NITs/Reputed Universities/IITS

B2. Research Publications and Academic Contributions: – 10 M

S. No	Type of Research Papers	No. of Papers	Maximum Self Assessment Marks	Obtained Self Assessment Marks (Maximum Marks 1 0)
1	1 Scopus/SCI indexed papers/Chapters/Book		10 M	
2	1 National/International Journals(Non Paid)		07 M	
3	1 Reputed conference Papers	2	05 M	10H
4	1 Journal/~~Conference Papers~~	1	05 M	05M
5	No Journal / Conference Papers		0 M	

B2. a) Scopus/SCI indexed Journals papers:

S. No	Journal details and title with Page No's	ISSN/ SCOPUS No.	Whether peer reviewed impact Factor, if any	Specify Author 1/ Author 2 / Author 3
1				
2				

B2. b) National /International Journals(Non Paid) :

S. No	Journal details and title with Page No's	ISSN/ SCOPUS No.	Whether peer reviewed impact Factor, if any	Specify Author 1/ Author 2 / Author 3
1				
2				

B2. c) Reputed Conference Papers:

S. No	Title with Page No's	International / National Conference	Details of Conference	Specify Author 1/ Author 2 / Author 3
1	Non -volatile D-latch and flipflop Designs based on new memristor	International	IEEE [ICONSTEH)	2
2	A novel high precise approximate multiplier with evolvable Truntation	"	IEEE [ICONSTEM)	2

B2. d) Journal / Conference Papers:

S. No	Title with Page No's	International / National Journals Conference	Details of Journal / Conference	Specify Author 1/ Author 2 / Author 3
1	Design of High efficient and high	National	Journal of Non linear	1
2	Speed parallel prefix multiplier ISSN 1906-9685	Journal	Analysis and Optimisation	

B3. Proctoring Students Average Value additions: – 10 M

S. No	No. of students allotted for proctoring	Year-Sem-Branch-Sec	No. of students participated in Paper presentations/Posters presentations/Technical exhibitions etc outside the campus (A)	No. of students won prizes (B) .	percentage (B/A)*100	Average %	Self Assessment Marks
1	19	III-IECEB	01	–	–	–	OM
2							
3						For Merely Participation = 5	
4						For winning prize = 5	
5						Nil = 0	

* 06 different students in a semester to be participated

B4. Proctoring Students Average pass percentage: – 10 M

S. No	No.of students allotted for proctoring	Year-Sem-Branch-Sec	No.of students eligible for end exams (A)	No.of students passed (B)	Pass percentage (B/A)*100	Average %	Self Assessment Marks
1	19	III-I ECE B	19	16	84.2	81.57%	10M
2	19	III-II ECE B	19	15	78.94		
3						>= 70 =10	
4						>= 65 &< 70= 8 >=60&< 65= 6 >=50&<55 = 4	
5						<55 = 0	

Staff Appraisal – Points Earned:

PART - A				PART - B					TOTAL SUM (A + B)
Students feedback % (20M)	Subjects Average Pass % (20M)	Average Academic Classes % (10M)	Sum of A	Workshops/ STTP/ FDP/ Online course (20M)	Research Publications and Academic Contributions (10M)	Proctoring Students Average Value additions % (10M)	Proctoring Students Average pass %(10M)	Sum of B	Total out of (100M)
15M	20M	10M	45M	20M	10 M	0 M	10M	40	85M

C. Additional responsibilities in the Department / College:

S. No	Responsibility	Assigned by	Duration	Outcome
1	Department Timetable Incharge	HoD	From June 2023	
2	Department Sports and games Co-ordinator	HoD	From July 2022	
3	Department Examcell	HoD	From July 2022	
4	Department Minutes of meeting	HoD	From July 2022	
5	Dept. NAAC 2.6.2 (Attainments of COs & Pos)	HoD	From July 2022	
6				
7				
8				
9				
10				

Date: 05/9/25   Signature of Faculty

Performance Based Appraisal – Points Earned

	PART - A			PART - B						TOTAL SUM (A + B)
Students feedback % (20M)	Subjects Average Pass % (20M)	Average Academic Classes % (10M)	Sum of A	Workshops/ STTP/ FDP/ Online course (20M)	Research Publications and Academic Contributions (10M)	Proctoring Students Average Value additions % (10M)	Proctoring Students Average pass % (10M)	Sum of B	Total out of (110M)	
15 M	20 M	10 M	45 M	20 m	10 M	0	10 m	40	85 m	

Remarks of the HOD:

Good. And need more Consistency for next years.

Signature

Remarks of the Principal:

Very Good Trys to Publish Scores Publicing

Signature

Fig 5.8.2: Filled Faculty Annual Appraisal Report
B. Its implementation and effectiveness (20):

Outcome of the Review of the Performance Appraisal Reports
The decision taken is based on the outcome of the review of the performance appraisal reports by the management. It is conveyed by
- One-One interaction
- Discussions of general issues in departmental meetings

Decisions
- The increments are given at the end of the academic year.
- Knowing the status and capabilities of the faculty.
- Identify the areas in which training is required.
- Check the loop holes, if any, in the system or policies.
- Taking the output of the performance appraisal, as basis to plan for the future to ensure right man to right job.
- Enforced the training programme.
- Repositioned the employees according to their performances in their roles assigned to them.
- Good performers are appreciated and encouraged further for better performance.
- Reward/Award to the outstanding performers.

S.No	Criteria	Marks
1	Student feedback	20
2	Subjects Average Pass Percentage:	20
3	Average Academic Classes	10
4	Workshops, Teaching-Learning-Evaluation Technology Programs, Faculty Development	20
5	Research Publications and Academic Contributions:	10
6	Proctoring Students Average pass percentage	10
7	Proctoring Students Average Value additions	10

Steps for rewarding faculty based on self-appraisal score

1. Design Self-Appraisal form based on above criteria and forward to faculty.

2. Faculty fills in details with evidence (e.g., published papers, feedback reports).

3. Appraisal forms submitted to Department

4. Final appraisal scores reviewed by HoD &Principal

5. Incentive list approved by the Management

Criteria for giving Incentives

S.No	Criteria	Incentive
1	Self-appraisal score>70 , Pass Percentage 100% & 30% of students get top 3 Grades	Rs.10000
2	Self-appraisal score>70 & Pass Percentage 100%	Rs.7000
3	Self-appraisal score>70 & Pass Percentage 95%& 30% of students get top 3 Grades	Rs.5000
4	Self-appraisal score>70 & Pass Percentage 90%& 30% of students get top 3 Grades	Rs.4500
5	Self-appraisal score>70 & Pass Percentage 80%& 30% of students get top 3 Grades	Rs.4000
6	Self-appraisal score>70 & feedback>90%	Appreciation certificate

Fig 5.8.3: Incentives to faculty members

Fig 5.8.4: certificate of appreciation & Corrective Measures to the faculty member

At the end of every academic year, the entire faculty is required to submit the filled-in Performance Appraisal form along with necessary enclosures. The Head of the Department reviews the filled-in proforma submitted by the faculty member and awards his/her evaluation marks. The Appraisal form is then reviewed by Principal. All successful faculty get a cash award of Rs. 2500/- to 5000/- and a certificate of appreciation. Those whose performance is not up to PAR are counseled and advised to attend various orientation programmes for their personal and professional development.

Table 5.8.1: Details of Award & Corrective Measures

Effectiveness	2023-24	2022-23	2021-22
Award	3	3	3
Corrective Measures	1	1	1

5.9 Visiting/Adjunct/Emeritus Faculty etc. (10)   Total Marks 10.00

Institute Marks : 10.00

There is a provision for inviting the adjunct faculty to make the students interact with the industry and experienced academicians to get the exposure of the industry in depth knowledge or hands on experience

Table 5.9.1: Summary of adjunct faculty interaction

Academic Year	Visiting Faculty	Hours
2022-23	03	54
2023-24	03	54
2024-25	03	58

Table 5.9.2 : Details of adjunct faculty interaction , Academic Year : 2024-25

S.No	Name Of The Visiting Faculty	Designation	Organization	Hours	Name of the Course	POs	Year
1	Mr.T.Srinivas	Sub-Divisional Engineer	BSNL Godavari Khani OA Telangana Circle	18	Digital Communications	PO1,PO3,PO5,PO10,PO12	III
2	Mr.K.Arun	Embedded Software Developer	Qual Comm Hyderabad	20	Embedded System	PO1,PO3,PO5,PO10,PO12	III
3	Mr.Suresh Bitla	Manager-Network Quality & Control Governence	Bharati Airtel Ltd	20	Electromagnetic Waves and Transmission Lines	PO1,PO2,PO3,PO4,,PO5,PO10,PO12	II

Table 5.9.3 : Details of adjunct faculty interaction , Academic Year : 2023-24

S.No	Name Of The Visiting Faculty	Designation	Organization	Hours	Name of the Course	POs	Year
1	Mr.T.Ram Das	Additional Divisional Engineer	(Telecom Sector), APJENCO, NewPalvancha	18	Digital Communications	PO1,PO3,PO5, PO10,PO12	III
2	Mr.P.Ananda Rao	Broadcast Engineer,	Doordharshan, Hyderabad	16	Signal Processing	PO1,PO3,PO5, PO10,PO12	III
3	Mr.Suresh Bitla	Manager-Network Quality & Control Governence	Bharati Airtel Ltd	20	Electromagentic Waves and Transmission Lines	PO1,PO2,PO3, PO4,PO5,PO10,PO12	II

Table 5.9.4 : Details of adjunct faculty interaction , Academic Year : 2022-23

S.No	Name Of The Visiting Faculty	Designation	Organization	Hours	Name of the Course	POs	Year
1	Mr.Thadaboina Srinivas	Sub-Divisional Engineer	BSNL Godhavari Khani OA Telangana Circle	18	Digital Communications	PO1,PO3,PO5, PO10,PO12	III
2	Mr. K.Sai Chandu	Technical Staff member	AMD Semiconductors Hyderabad	16	VLSI	PO1,PO3,PO5, PO10,PO12	III,
3	Mr. Suresh Bitla	Manager-Network Quality & Control Governence	Bharati Airtel Ltd	20	Electromagnetic Waves and Transmission Lines	PO1,PO2,PO3, PO4,PO5,PO10,PO12	II

6 FACILITIES AND TECHNICAL SUPPORT (80)

Total Marks 80.00

6.1 Adequate and well equipped laboratories, and technical manpower (30)

Total Marks 30.00

Institute Marks : 30.00

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Micro processor &Microcontrollers/ Simulation lab	1	1. Systems:36 2. Configuration : Windows7Professional 3. Processor : IntelpentimumDual Core(CPU),G640/processor 2.8GHz 4. Installed memory(RAM): 2GB DDR3 5. System type : 64-bitOperatingSystem 6. 8086 Microprocessor Trainer Kit(LCD version) 7. 8051Microcontroller trainer kit ESA-51E 8. UPSsystem:10KVA 9. Nexys4DDRFPGABoards 10. Bays3DevelopmentKit 11. Zybo Board 12. ARME valuation board LPC214X series 13. PICE valuation trainer Kit 16F877 14. DSP Starter Kit(TMS320C6713) 15. MATLAB8.5 a. Simulink8.5 b. Signal Processing Toolbox 7.0 c. Communication System Toolbox	83	Mr. P.Meera Prasad	Lab Technician	B.Tech
2	Electronic Devices & Circuits lab	3	1. CRO(0-30)MHz 2. 5KVAservo stabilizer 3. Analog and Digital IC Tester	83	Mr.R.Naveen	Lab Technician	B.Tech
3	Communication Lab	3	1. 1GHz Spectrum Analyzer 2. 70MHz DSO 3. Cathode Ray Oscilloscope(0-30) MHz 4. RF Signal Generator 5. DPCM Kit 6. Companding Kit	83	Ms.I Lakshmi	Lab Technician	B.Tech
4	Microwave EngineeringLab	3	1. Cathode Ray Oscilloscope(0-30) MHz 2. Fiber Optic Analog Link 3. Fiber Optic Digital Link 4. Fiber Optic Laser Link Kit 5. 5.Klystron Microwave Bench	83	Mrs. G.V.V.Dhana Lakshmi Kumari	Lab Technician	B.Tech
5	R&D Lab	1	1.Raspberry Pi,Arduino UNO Board,Variuos sensors,ARM Processors	83	Mrs.G.Vanitha	Lab Technician	B.Tech

6.2 Additional facilities created for improving the quality of learning experience in laboratories (25)   Total Marks 25.00

Institute Marks : 25.00

Sr. No	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	Design of Transistor Biasing circuits	set the transistor's DC operating point (Q-point) for proper amplification, ensuring the base-emitter junction is forward biased and the collector-base junction is reverse biased.	to ensure transistors operate in their intended region (active, amplification, or switching) and maintain a stable, predictable operating point, known as the Q-point, for efficient and reliable performance.	Secondyear students	Electronic Devices and circuits lab	PO1,PO2,PO3,PO4,PO5,PO9,PO12,PSO1,PSO2,PSO3
2	Design FET CS Amplifier	one of three basic single-stage field-effect transistor (FET) amplifier topologies, typically used as a voltage or transconductance amplifier.	high input impedance, low noise, and suitability for applications requiring small input voltage signals,	Secondyear students	Electronic Devices and circuits lab	PO1,PO2,PO3,PO4,PO5,PO9,PO12,PSO1,PSO2,PSO3
3	Design BCD Adder Circuit & test the same using relavant IC.	a digital circuit that performs addition on two BCD numbers, using full adders and logic gates to generate the BCD sum, correcting for invalid decimal digits (greater than 9) by adding 6 to the sum and propagating the carry.	crucial for applications requiring precise decimal arithmetic	Second year students	switching theory and logic design lab	PO2,PO 3,PO9,PO10,P012,PSO1,PS O3
4	Design an experimental model to demonstrate the operation of 74154 Demultiplexer using LEDs for outputs	8-input digital multiplexer that selects one of eight data inputs based on a 3-bit select code, offering both true and inverted outputs, and can be used for data selection, routing, and signal control in digital systems.	enabling efficient data transmission and reducing wiring complexity in digital systems	Second year students	switching theory and logic design lab	PO2,PO 3,PO9,PO10,P012,PSO1,PS O3
5	Mixer Characteristics	a three-port device that performs frequency conversion by mixing two input signals (RF and LO) to produce a sum and difference frequency output,	efficient frequency translation and signal processing in applications like radio receivers and transmitters.	Secondyear students	Analog Communications	PO1,PO2,PO 3,PO5,PO9,P O12,PSO1,PS O3
6	frequency division multiplexing	technique that allows multiple signals to be transmitted simultaneously over a single communication channel by allocating each signal to a different frequency band within the channel's total bandwidth.	seful for efficient bandwidth utilization	Secondyear students	Analog Communications	PO1,PO2,PO 3,PO12,PSO1
7	Three Therminal Voltage regulators 78XX Series and 79XX series	he 78XX series are fixed positive voltage regulators, while the 79XX series are fixed negative voltage regulators, both with three terminals, and the "XX" indicates the output voltage.	to provide stable, regulated DC voltages in electronic circuits, ensuring consistent power delivery despite fluctuations in input voltage or load current.	Third year students	Analog IC Applications Lab	PO1,PO5,PO 9,PO10,PO12 ,PSO2,PSO3
8	Interfacing GAS (MQ2) Sensor with Arduino Uno	egin by connecting the VCC pin to the Arduino's 5V pin and the GND pin to the Arduino's Ground pin. Finally, connect the module's A0 output pin to Analog pin #0 on the Arduino.	allows for the creation of systems that detect and monitor various gases, including LPG, smoke, alcohol, propane, hydrogen, and methane, enabling applications like gas leak detection, fire alarms, and indoor air quality monitoring.	Third year students	Advanced RISC Machine Lab	PO1,PO3,PO4,PO5,PO9,PO12,PSO1,PSO2,PSO3

9	Interfacing 16 X 2 LCD with Arduino Uno for Serial Display	Connect the LCD's four data pins (D4, D5, D6, and D7) to digital pins 5, 4, 3, and 2 on the Arduino. Connect the EN (Enable) pin to digital pin 11 on the Arduino. Connect the RS (Register Select) pin to digital pin 12 on the Arduino.	Arduino Uno for serial display allows for easy, portable, and cost-effective visual output of data,	Third year students	Advanced RISC Machine Lab	PO1,PO3,PO4,PO5,PO9,PO12,PSO1,PSO2,PSO3
10	Design and implementation of XOR GATE using Tanner EDA	LAYOUT Development of XOR GATE	Learn About Layout Implementation	Third year students	Very Large Scale Integration Design Lab	PO1,PO3,PO4,PO5,PO9,PO12,PSO1,PSO2,PSO3
11	Design a Butterworth LPF & HPF	filter Design	Know tp Design Digital signal Processing System	Third year students	Digital Signal Processing Lab	PO1,PO3,PO4,PO5,PO9,PO12,PSO1,PSO2,PSO3
12	Design of Finding Even and Odd numbers	Assembly level Programming Implementation	Finding Numbers	Third year students	MicroProcessors and Microcontrollers Lab	,PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2,PSO3

6.3 Laboratories: Maintenance and overall ambiance (10)   Total Marks 10.00

Institute Marks : 10.00

Laboratory: Maintenance and Overall Ambience
Table 6.3.1 List of the Physical Labs

S. No.	Name of the Lab	Area in Sq.mt.	Periodic Maintenance
1	EDC Lab	96.619	Weekly Twice
2	Communication Lab	96.619	Weekly Twice
3	Microwave Lab	94.2	Weekly Twice
4	Microprocessor &Microcontrollers/Simulation lab	99.87	Weekly Twice

Maintenance:

1. Regular inspection of equipment is carried out at the end of each day by the technical staff of the laboratory.

2. Preventive maintenance is performed to reduce the possibility of collapse.

3. The fault record is maintained in laboratories.

4. According to the requirements minor repairs are made by the technical staff of the laboratory.

5. Major reforms are outsourced.

6. After resolving the complaint, it can be entered into the service register.

7. Software required for every semester is installed at the beginning of the semester by the technician of the respective lab in the presence of concerned course faculty.

8. Specific maintenance two slots per week is provided for every lab.

9. Stock registers are maintained in all the labs.

10. Consumable registers are maintained in all the labs.

11. Log registers are maintained in all labs for enrolling the student's attendance.

12. The Internal movement Register is also maintained.

13. Electrical maintenance such as UPS, A/C's, electrical ports, switches, network cables, lights and fans are serviced periodically.

14. Laboratory manuals are available in respective labs.

Figure.6.3.1 Sample copy of Lab occupancy with Maintenance Slots

Ambience:

1. The Department has Full furnished State of Art laboratories with well equipped equipment which shall cater to all UG and PG courses as per curriculum requirements.
2. Conditions of chairs/benches are in good condition. Chair with desk are provided for individual students in Labs.
3. Department has experienced faculty to educate them in all the fields of engineering.
4. All the labs are conducted and evaluated every week. As per the university curriculum.
5. Labs are equipped with sufficient hardware and licensed software to run program specific curriculum and off program curriculum.
6. Laboratory manuals are distributed to students.
7. A sufficient number of windows are available for ventilation and natural light and each laboratory has one exit.
8. The lighting system is very effective, along with natural light in every corner of the rooms.
9. Each lab is equipped with Syllabus, PEOs, PSOs, Pos, Department Vision Mission posters.
10. Each lab is equipped with Display Boards, Monograms and Charts .
11. Exclusively, a project lab was provided to the students to carry out their small and large works.
12. Each laboratory is equipped with white/ black board and other amenities.
13. A project lab has been provided for the students to carry out the mini and major project works.

Overall Laboratory ambience:

Electronic Devices and Circuits Lab	Communication Lab
Microwave Engineering Lab	Microprocessor &Microcontrollers/Simulation lab
Simulation Lab	Electronic Devices and Circuits Lab

Figure: 6.3.2 Lab Ambience

6.4 Project laboratories (5)

Total Marks 5.00

Institute Marks : 5.00

Project Laboratories – Facilities & Utilization

Project laboratory with the total area of 48 Sq.mt is dedicated for all students to carry out their projects for curriculum and also to participate in various competitions like Smart India Hackathon, Project Expo etc.

Students utilize the lab facility with the help of concerned guides, mentors and technical staff.

Table 6.4.1: Details of Hardware in Project Lab

S. No	Details of Equipment	Utilization
1	Arduino UNO Board	
2	Node MCU boards	
3	IR Sensors	
4	Fire Sensors	
5	DHT11 Temperature sensor	Design prototype projects like
6	Relay Modules	Embedded Systems, IoT based
7	PH Sensors	Systems, and
8	BMP Pressure Sensor	Communication Systems.
9	L293D Motor Drivers	
10	ARM Processors	
11	PIC Microcontrollers Kit	
12	ARM Debugger	
13	8051 Development boards	
14	GPS Modules	
15	Buzzer	
16	LEDs	
17	Raspberry Pi Board	
18	GSM Modules	
19	Bread Boards	
20	LCD boards	
21	Computers	

Table 6.4.2: List of Softwares in Project Lab

S. No	Software	Description
1	MATLAB	Matrix Laboratory software is much useful for performing matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interface for creating simulation projects.

2	XILINX	Xilinx Tools is a suite of software tools used for the design of digital circuits implemented using Field Programmable Gate Array (FPGA)or Complex Programmable Logic Device (CPLD).
3	Kiel	Open-source software tools used to implement the digital circuits.
4	Raspberry OS	Open Source Phyton ,

Table 6.4.3: List of Activities/Projects Done in Project Lab A.Y:2023-24

S.NO	Batch No	Name of the Student	Reg.N0	Name of the Guide	Title of the Project
1	20EC05	Dasari Vineela	20MQ1A0406		IoT based health tracking shoe for elderly people using giant monitoring system
		Nunna Vijaya Lakshimi	20MQ1A0417		
		Chinta Viraj	20MQ1A0430		
		P Naga Sai Satyanarayana	20MQ1A0444	Mr.Y R K Paramahamsa	
2	20EC07	Chirivella Hari Prasad	20MQ1A0431		LPG gas leakage detection and avoidance system
		Parasa Swathi	20MQ1A0418		
		Kolukula Hemanth	20MQ1A0438		
		P Pardha Raja Sri Sweaphak	20MQ1A0443	Mr.K Sai Sudheer	
3	20EC08	P Yamini Jyothi	20MQ1A0420		Accident detection and alert system
		Ch Naga Rajesg	21MQ5A0407		
		P M Sai Kumar	20MQ1A0446		
		R V Nandini	20MQ1A0421	Mrs.K Sowmyasri	
4	20EC09	J Reshma Sai	20MQ1A0410		Automated driver drowsiness system
		VVyshnavi	20MQ1A0425		
		G G V Sai Naga Raju	20MQ1A0433		
		B Sitharam	20MQ1A0429	Mr.N Nagaraju	
5	20EC10	Kodati Karthik	20MQ1A0436		IoT based smart accident detection and insurance claiming
		Mannem Swami	20MQ1A0441		
		A Sai Dinesh	20MQ1A0428		
		M Sai Kumar	20MQ1A0442	Mrs.P Jyothi	
6	20EC11	Yarlagadda Lavanya	20MQ1A0426		development of voice - controlled intelligence wheel chair by using arduino
		Ch Sai Krishna	20MQ1A0432		
		Arja Usha Rani	20MQ1A0402		
		V Pavan Kumar	20MQ1A0450	MrM Sivaji	
7	20EC13	D Venkata Kalki	20MQ1A0407		Design of logic gates using reversible gates with reduced quantum cost
		E N Venkata Ratna Kinnera	21MQ5A0403		
		A Vamsi Priya	20MQ1A0401		
		A N S Pavan Kumar	21MQ5A0406	Dr.C Pakkiraiah	
8	20EC14	Kode Sahitya Naga Divya	20MQ1A0413		Design of high power performance casacadable full adder architecture
		Sunkara Hema Kumari	20MQ1A0422		
		RVenkata Sai Krishna	20MQ1A0447		
		Kokkera Siva Naga Chandra	20MQ1A0437	MrsS Rajeswari	
9	20EC22	SUHASINI AKURI	21MQ5A0409		Automatic agricultural robot
		Goli Mahesh	21MQ5A0417		
		Palanki Kanaka Durga	20MQ1A0462		
		Kuthada Bhanu Prakash	20MQ1A0491	Mrs.K Sowmyasri	
10	20EC25	Kunapareddy Bhanu Sri	20MQ1A0464		Development of voice controlled wheel chair using rasberry pi
		V Manikanta Kumar	20MQ1A04A2		
		Savihah Kehkashan	20MQ1A0469		
		Matti Koti Bala Ganesh	20MQ1A0492	Mr.M Sivaji	

Figure.6.4.1 . Demonstrations of Projects

6.5 Safety measures in laboratories (10)   Total Marks 10.00

                                                                                 Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Electronic Devices& Circuits lab	1) First aid box and fire extinguishers are kept in each laboratory. 2) Specific safety rules such as Do's and Don'ts are displayed and guided to all students. 3) Electrical wiring is protected by MCB, and fuses 4) Proper grounding 5) Students are supposed to wear Lab Apron. 6) The trained technical support team monitors the laboratories at all times. 7) Damaged equipment is identified and serviced as soon as possible. 8) Periodic calibration of laboratory equipment is regularly performed 9) The laboratories are kept clean and organized 10) The use of mobile phones is prohibited. 11) Fully loaded PC systems programmed with the required software are readily available for student use.
2	Communication Lab	1) First aid box and fire extinguishers are kept in each laboratory. 2) Specific safety rules such as Do's and Don'ts are displayed and guided to all students. 3) Electrical wiring is protected by MCB, and fuses 4) Proper grounding 5) Students are supposed to wear Lab Apron. 6) The trained technical support team monitors the laboratories at all times. 7) Damaged equipment is identified and serviced as soon as possible. 8) Periodic calibration of laboratory equipment is regularly performed 9) The laboratories are kept clean and organized 10) The use of mobile phones is prohibited. 11) Fully loaded PC systems programmed with the required software are readily available for student use.
3	Microwave Engineering Lab	1) First aid box and fire extinguishers are kept in each laboratory. 2) Specific safety rules such as Do's and Don'ts are displayed and guided to all students. 3) Electrical wiring is protected by MCB, and fuses 4) Proper grounding 5) Students are supposed to wear Lab Apron. 6) The trained technical support team monitors the laboratories at all times. 7) Damaged equipment is identified and serviced as soon as possible. 8) Periodic calibration of laboratory equipment is regularly performed 9) The laboratories are kept clean and organized 10) The use of mobile phones is prohibited. 11) Fully loaded PC systems programmed with the required software are readily available for student use.
4	Microprocessor &Microcontrollers/Simulation lab	1) First aid box and fire extinguishers are kept in each laboratory. 2) Specific safety rules such as Do's and Don'ts are displayed and guided to all students. 3) Electrical wiring is protected by MCB, and fuses 4) Proper grounding 5) Students are supposed to wear Lab Apron. 6) The trained technical support team monitors the laboratories at all times. 7) Damaged equipment is identified and serviced as soon as possible. 8) Periodic calibration of laboratory equipment is regularly performed 9) The laboratories are kept clean and organized 10) The use of mobile phones is prohibited. 11) Fully loaded PC systems programmed with the required software are readily available for student use.

7 CONTINUOUS IMPROVEMENT (50)

Total Marks 50.00

7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (20)

Total Marks 20.00

Institute Marks : 20.00

POs Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	2.1	2.61	Target achieved
Action 1:Plan to Conduct activities like quiz and use of National Programme on Technology Enhanced Learning video lectures during teaching. Action 2:plan to conduct Tutorials focusing the knowledge of engineering fundamentals. Action 3:Additional practice problems to be solved for numerical subjects. Action 4: Plan to arrange bridge courses before the semester beginning for first year students			
PO 2 : Problem Analysis			
PO 2	2.1	2.47	Target achieved.
Action1:Attainment level of the subjects can be improved by giving application-based Assignments. Action2:plan to give Tutorials to students for solving more problems. Action 3: Plan to encourage students to enroll in more number of NPTEL courses to improve the problem solving capability of students. Action 4: It is proposed to increase the target level in the next academic year.			
PO 3 : Design/development of Solutions			
PO 3	2.1	2.34	Target achieved.
Action 1: Encourage students to do industrial training and internships to enhance the ability to identify and formulate complex engineering problems. Action2: Faculty is advised to give application-based assignments to students. Action 3: Mini projects will be given to students to increase their design capabilities. Action 4: Target level is attained by encouraging students to participate in more technical events hence the next target level is recommended to improve.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.1	2.41	Target achieved.
Action1:plan to introduce different software in project laboratory Action 2: Motivate Students to explore more on analysis and interpretation of data for selecting research-based project statement. Action 3:Content beyond/Additional experiments will be included in laboratory courses. Action 4: plan to Conduct workshops like PCB design & circuit simulation, High performance computing, AI.			
PO 5 : Modern Tool Usage			
PO 5	2.1	2.46	Target achieved
Action 1:Motivate Students to enroll for different courses like National Programme on Technology Enhanced Learning, Spoken tutorial etc. Action2: Encourage Students to do industrial training/ internship. Action 3: Introduce Students to different software like Tanner EDA tools, HFSS, CST in project laboratory. Action 4:An Emerging Technologies like AI,ML, DL Workshops will be conducted in the next academic year.			
PO 6 : The Engineer and Society			
PO 6	2.1	2.61	Target achieved
Action1: Students will be motivated to actively participate in different social activities like National Service Scheme camps and techno-social visits. Action2:To enhance professional engineering practices students will be motivated to take part in Professional society's chapter's activities. Action 3: Encourage Students participate in Blood Donation Camps, Swachh Bharat organized by NSS. Action 4: It is proposed to increase the target level in the next academic year.			
PO 7 : Environment and Sustainability			
PO 7	2.1	2.72	Target achieved
Action 1: Encourage Students to do their project work which will be beneficial for society and also helpful in environmental context. Action2:Encourage Students to develop mini project to address social issues. Action 3: Encourage Students to do NSS activities for environment sustainability. Action 4:Training sessions need to be conducted to build confidence in the profession's trustworthiness and provide greater transparency about handling their affairs.			
PO 8 : Ethics			
PO 8	2.1	2.68	Target achieved
Action1.The ethics are largely taken care at all course delivery particularly in report writings. Action2.To make students aware of concepts like Intellectual property rights and Plagiarism Action3: Motivate Students to follow the code of conduct in examination process and all our engineering practices. Action 4:Students will be trained on communication skills so that they can convey their ideas, which will be helpful to society.			
PO 9 : Individual and Team Work			

PO 9	2.1	2.46	Target achieved

Action 1:Motivate students to organize the events like Group Quiz, Social/Technical activities etc. Action 2: Encourage Students to participate in events like seminar, workshop, projects, hands-on training etc. organized by Professional body activities to improve their interpersonal skills. Action 3:Students will be involved in teamwork, such as project work and laboratory experiments. Action 4:Training sessions need to be conducted to build confidence in the profession's trustworthiness and provide greater transparency about handling their affairs.

PO 10 : Communication

PO 10	2.1	2.61	Target achieved

Action1: Encourage Students to participate in competitive events like essay writing, debate events, JAM, Quiz etc. Action2: Soft skill training is planned in order to improve student's communication capability. Action 3: Guide Students for technical seminars and internship presentations to improve their communication skills. Action 4: It is proposed to increase the target level in the next academic year.

PO 11 : Project Management and Finance

PO 11	2.1	2.58	Target achieved

Action 1: Motivate students to organize and manage the group activities like technical Aptitude quiz, General knowledge quiz etc. Action2:Motivate students to participate in various technical events like hackathon, Paper/Poster presentation, project competition etc. Action 3: Plan to conduct Project exhibitions to encourage the students to exhibit their project management skills. Action 4:Conducted Guest lecture on Entrepreneurship for the students.

PO 12 : Life-long Learning

PO 12	2.1	2.40	Target achieved

Action1: Emphasis will be given on exploring various e-learning platforms. Action2: Motivate students to enroll for training/certification courses. Action 3: For conduction of practical use of virtual labs to be increased so that students will be able to explore extra practical related to their course on their own. Action 4: Motivate students to participate in industrial talks conducted in the college and industrial visits to different core and IT industries every year.

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations

PSO 1 : Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing.

PSO 1	2.1	2.63	Target achieved

Action1: Include Content beyond/Additional experiments to improve overall PSO attainment. Action 2: Plan to conduct Different workshops so that students can apply concepts they learned and increase their designing abilities. Action 3: Encourage students to do mini projects. Action 4: It is proposed to increase the Attainment Level in the next academic year

PSO 2 : Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.

PSO 2	2.1	2.45	Target achieved

Action 1: Plan to Conduct regular project review sessions to provide constructive feedback to enhance and apply their knowledge . Action 2:Plan to use Modern tools in the VLSI laboratory and Conduct guest lectures on latest technologies in VLSI design. Action 3:Plan to Organize internship programs, live industry projects, and hackathons that simulate real-world development environments, where students can work on building solutions that are relevant and impactful. Action 4: It is proposed to increase the Attainment Level in the next academic year

PSO 3 : Able to identify problems in the society and solve by designing projects.

PSO 3	2.1	2.24	Target achieved

Action 1: Encourage Students to analyze the global and environmental issues to provide solutions in their Final year Projects. Action 2: Plan to Implement group assignments or pair programming tasks where students solve problems together, share ideas, and work on solutions in tandem. Action 3: Proposed to Organize hackathon and problem-solving contests to push students to think critically and solve complex problems under time constraints. Action 4: It is proposed to increase the Attainment Level in the next academic year

PSO 4 : Able to improve personality development life skills and make them to be industry ready

PSO 4	2.1	2.83	Target achieved

Action 1: Encourage Students to participate in national and international conferences. Action 2: Plan to Implement group assignments or pair programming tasks where students solve problems together, share ideas, and work on solutions in tandem. Action 3:Encourage Students to participate in industrial visits to make them aware of latest technologies. Action 4: Plan to conduct more guest lectures from industrial persons so that students can learn to handle challenges in the industries and make them industry ready.

7.2 Academic Audit and actions taken thereof during the period of Assessment (10)   Total Marks 10.00

Institute Marks : 10.00

Continuous Improvement through Academic Audits

The purpose of an academic audit is to enhance the quality of the education system within departments, ensuring continuous improvement in teaching and learning.

Key Areas of Academic Audit:

1. **Monitoring of Course Conduct:**

Adherence to course plans, timetables, syllabus completion, internal test standards, and evaluation processes.

2. **Student Issues:**

Identifying difficulties faced by students and recommending suitable remedial actions.

3. **Involvement in Skill Enhancement & Research:**

Assessing both faculty and student participation in skill development programs and research activities.

Internal Audits:

- **Coordinated by IQAC:** The audits are managed by the Internal Quality Assurance Cell (IQAC), with a senior faculty member as the coordinator and representatives from each department.
- **Continuous Process:** Academic audits are part of an ongoing system focused on continuous improvement.

Documents Maintained for Academic Audit:

Documents Maintained for Academic Audit:

1. **Faculty Personal Files:**

Focus on faculty quality improvement and professional growth.

2. **Course Files:**

Documents related to quality teaching, including Course files ,lab files , logbooks, and course plans.

3. **Laboratory Stock Verification:**

Ensures proper inventory and condition of laboratory equipment.

4. **Attendance Registers & Day-to-Day Evaluation:**

Tracks faculty workload and class schedules.

5. **Results Analysis:**

Helps monitor student performance and progress.

6. **Student Success Documentation:**

Includes details about placements, higher education, and competitive exam achievements.

7. **Student Feedback:**

Provides insights into teaching effectiveness, aiding continuous improvement.

8. **Counseling & Mentoring Registers:**

Documents the support provided by faculty counselors and mentors to students.

9. **Professional Activity Documentation:**

Records of guest lectures, seminars, workshops, and conferences that contribute to students learning beyond the curriculum.

10. **Co-curricular & Extra-curricular Activities:**

Tracks student participation in activities that enhance critical thinking, communication, and collaboration skills.

Frequency of Audit

S. No	Activity of Audit	Frequency	Outcome

S. No			
1.	Syllabus Coverage	15days	The faculty who are not completed the course syllabus as per lesson plan or in the prescribed time. So that accordingly to inform that faculty take additional hours to complete the course in the stipulated time.
2.	Course Files	Every month	Course file monthly status identifies the faculty handling the course properly or not. If not, senior faculty may help them to complete the course
3.	Faculty Personal Files	Yearly	Personal file status gives the faculty growth in terms of academic, research activities. if not, encourage the faculty to attend FDP'S and also for higher education
4.	Lab Files	Monthly	Lab file monthly status identifies the faculty handling the lab properly or not. If not, senior faculty may help them to complete the lab
5.	Timetable File	Semester	Which shows the faculty work load based on faculty recruitment required or not
6.	Examinations File	Yearly	Based on the results what measures or steps are required to improve the pass percentage
7.	Placements File	Yearly	Which gives the data how many of the students are skilled after completion of the course. Based on that that add the new courses to the program or new course objectives to be add to the course to enhance the percentage of skilled students

Frequency of Course File Audit

S. No	Content	Expected Response	Frequency
1.	Lesson Plan with S. No as L. No, Topic, Teaching aid (TA) / Methodology (TM), Text/Reference book and web references.	L T TA TM	At the beginning of the semester
2.	Course Outcomes (COs) 5 or 6 based on syllabus with BT level mapped Course Outcomes Mapping with POs and PSOs Justification for CO-PO and CO-PSO mapping	Cos POs PSOs	At the beginning of the semester
3.	List of Gaps within the syllabus – Mapping to COs, POs and PSOs with Justification and proposed mode of addressing	Gaps COs POs PSOs	At the beginning of the semester
4.	CO– PO/PSO Mapping including Gaps	POs PSOs	At the beginning of the semester
5.	Gap addressed –Single page report	Yes / No	Every month

6.	Lecture Notes-Unit wise including gaps	Pages	At the beginning of the semester
7.	List of Power Point Presentations /Videos along with CD	PPTs Videos	Every month
8.	University Question Papers (3 previous years Xerox copies) (with CO and Bloom's Taxonomy (BT) mapping)	AYs	At the beginning of the semester
9.	Assignment Question Papers mapped with CO and BT with solutions (Award list, Xerox copy of any 3 students answer scripts)	Yes/No	Every week
10.	Internal Question Papers mapped with CO and BT levels (Present semester course and previous 3 years Xerox copy) with solutions (Award list, Xerox copy of any 3 Students answer scripts)	Yes/No	One week before the exam
11.	Scheme of evaluation with CO and BT mapping	Yes/No	One week before the exam
12.	Tutorial topics with evidence both material and attendance	Yes/No	Every week
13.	3 lists of weak and Bright students Based on previous semester/ up to previous semester. Based on faculty observations up to 3weeks. Based on 1st mid exams.	Yes/No Yes/No Yes/No	Time line given
14.	Remedial class for weak students schedule and contents / materials.	Yes/No	Every week
15.	Remedial class attendance sheet with delivery record	Yes/No	Every week
16	Bright students encouraged for GATE	No	Every week
17.	Course & its PO Attainments (Plan & Execution)	Attainments	After the semester results
18.	Course end survey form, filled forms and analysis	Attainments	At the end of the semester
19.	Students feedback on faculty and Teaching Learning analysis, corrective measured planned 3rd & 13th week	Yes/No Yes/No	After 3rd week and 13th week
20.	Observation for not attaining CO or for improvement	No. of Observations	After the semester results
21.	Plan of action to improve CO attainment next time	No. of actions	After the semester results
22.	Attendance register (including Theory/Tutorial) Teacher / Course delivery record, continuous evaluation	Filled Yes/No	Every week
23.	Course file (Digital form)–all the above contents	Yes/No	After the semester results

Faculty Personal File Audit

S. No	Name of the faculty	Expected Response	Frequency
1	Bio-data - Latest with all contributions	Yes/No	Yearly
2	Latest pay slip	Yes/No	Yearly
3	Self Appraisal (year wise with below mentioned items)	Yes/No	Yearly
a	Incentives/Award/Reward	Number	Yearly
b	Member of external bodies	Number	Yearly
c	ISTE-Professional memberships	Number	Yearly
d	CSI/IETE/IE/IEEE or any other	Number	Yearly
e	Promotion	Yes/No	Yearly
f	FDP organised	Number	Yearly
g	Faculty Development programs attended / resource person (6 days every year)	Number	Yearly
h	Conferences/Seminars/Workshop organised	Number	Yearly
i	Conferences/Seminars/Workshop attended	Number	Yearly
j	Invited Lectures (Expert/conference/etc)	Number	Yearly
k	Responsibility in Committees	Yes/No	Yearly
l	List of Courses/Labs handled;	Number	Yearly
m	individual Time table	Yes/No	Semester
n	List of Projects guided; Cover/Certificate Page	Number	Yearly
o	List of In-house R&D projects; documentation	Number	Yearly
p	List of Funded R&D projects; documentation	Number	Yearly
q	List of Consultancy activities; documentation	Number	Yearly
r	List of Instructional materials like course files, lab manuals; cover page	Number	Semester
s	List of Working models / Products developed / Incubation	Number	Yearly
t	Research Publications (Paper/Poster/book/book chapters/citations/etc	Number	Yearly
u	list of innovative T/L methodoligies	Number	Semester
v	link of webpage/blog/google classroom/etc	Yes/No	Semester
4	Ph.D enrolled/ awarded / guided	Yes/No	Yearly
5	Joining letter	Yes/No	Yearly

6	Appointment letter	Yes/No	Yearly
7	Bio data at the time of applying	Yes/No	Yearly
8	All educational qualifications – certificates	Yes/No	Yearly
9	Other certificates of experience	Yes/No	Yearly
10	PAN Card	Yes/No	Yearly
11	Aadhaar card	Yes/No	Yearly
12	form 16		Yearly

External Audit

S. No	Description
1	Students Admissions Details
2	Teaching and Non-Teaching Staff Details
3	Computers and Internet Details (Software Details)
4	Library Facilities Details
5	Examination Details
6	Aadhar Biometric System Details
7	Boys Girls Hostel Accommodation Details
8	Sports Area Details
9	Co-Curricular Aspects Details
10	College Facilities Details

Academic Year	Date of Inspection	Committee Members		
		Member 1	Member 2	Member 3
2024-25	22.06.2024	Dr. M Ramesh, Prof of Bio Technology, UCEK JNTUK	Dr. T Siva Rama Krsihna, Asst Prof of CSE, JNTUK	-
2023-24	03.07.2023	Dr. A M Prasad Prof of ECE, Director Admissions, JNTUK	Dr. K Ramu, Prof of Civil, Engineering, UCEK	Dr. G. P Raju, Assoc. Prof of Physical Education, UCEN
2022-23	02.08.2022	Dr. G. V S R Dheekshithulu, Prof of Mathematics, JNTUK Kakinada	Dr. N Ramakrishanaiah, Prof of CSE, JNTUK	-

Grams: "TECHNOLOGY"
Email: registrar@jntuk.edu.in

Phone: Off: 0884 -2300900
Fax: 0884 -2300901

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533 003. ANDHRA PRADESH, INDIA
(Established by Andhra Pradesh Act No.30 of 2008)

Proc. No. JNTUK/DAA/B1/Permanent Affiliations/Online Verification/FFC Visits/2023-2024   30.06.2023

Sub: JNTUK Kakinada –DAA– Grant of Permanent Affiliations for the Academic Year 2023-2024 - Constitution of Fact Finding Committee Teams for **Online Verification of Data**–Reg

O R D E R:

The Honourable Vice-Chancellor JNTUK Kakinada is pleased to constitute the following Fact Finding Committee Team **to verify Online, the data submitted by the following Affiliated College**for considering the Grant of **Permanent affiliation**for running UG & PG coursesfor the Academic year 2023-2024.

Committee Members	Details of the College	Inspection Date
Member 1 Dr. A.M. Prasad Professor of ECE& Director, Admissions, JNTUK **Member 2** Dr.K. Ramu Professor of Civil Engineering, UCEK **Member 3** Dr.G.P. Raju Assoc. Professor of Physical Education, UCEN	Sri Vasavi Institute of Engineering & Technology, Pedana (CC-MQ)	03-07-2023

NB:
 ➢ **The Principals of the respective colleges are informed to create online link and share it to FFC Team Members.**

As per the directions, the members of FFC Team shall follow the following instructions scrupulously.
 ➢ All the Institutions have already uploaded information to (https://affiliation.apcfss.in/)
 ➢ Members of Fact finding committee shall go through the consolidated report uploaded by the college.
 ➢ The committee shall upload the FFC report Online (https://affiliation.apcfss.in/) on the same day of inspection or within 2 days from the date of inspection.

The members of the team are requested to submit the following to the Director Academic Audit within two days from the date of inspection.
 ➢ Hardcopy of the uploaded report with attestation on every page.
 ➢ The members of the team are requested to submit hard copy of report on additional Information (Enclosed Annexure A)

While providing all the details as in the format, the Committee Members are requested to focus specially on the following details:-

- Documents / Details substantiating the compliance /rectification/fulfilment of deficiencies that were reported in the Affiliation Order 2022-2023
- Sanction Orders by Respective council for New courses/Additional Intake / Conversion/ With drawl / Reduction of Intake for any courses/Change of Premises/Merging of Institutions/Change of name of Institution etc.
- Any New Land Registration documents /New Lease Deed / New Approved Building Plans/New Lease Deed (if any)
- Details of Additional Built up Area
- Latest Fire NOC/ Sanitary Certificate / Proof of Applying for the same
- Latest Address Proof of the College (Electricity Bill/ Property Tax)
- Any New Pictures of Building Blocks / Class Rooms/ Labs
- Details of Labs for the Proposed New Courses along with the Equipment details
- New Courses and Instructional Area Mapping Details
- Addition of New Faculty for New Course(s) along with the Professional Experience, Educational Qualification / Professional Certification documents.
- Play Ground /Parking Area Agreements (Registered)
- Latest Video of the college starting from the College board and covering all the Instructional Area provided in the college like Class Rooms, Labs , Library
- Affidavit / Undertaking for this year 2023-24
- Details of Principal/Staff members (Department wise) Name, Qualification, Designation, Ratification Details, Physically availability during the inspection etc.
- Laboratory Facilities, Computers, Legal Software, Library Facilities etc.
- Availability of website for the college, Biometric systems of attendance.

The Members of the Fact Finding Committee are requested to complete the inspection duly sticking **to the date** mentioned in the Order.

If anyone of the member is not in a position to undertake the inspection due to personal reasons, he/she shall report inwriting with reasons, through proper channel to the undersigned. Accordingly, alternative arrangements will be made.

The above Fact Finding Committee members are eligible to claim Sitting Charges as per University norms.

REGISTRAR
REGISTRAR
J.N.T. University Kakinada,
Kakinada-533003

Copy to…
The Committee Members through proper channel.
The Principal of Concerned Affiliated Colleges of JNTUK,Kakinada
Secretary to Honourable Vice-Chancellor, JNTUK, Kakinada.
PA to Rector, JNTUK, Kakinada.
Director-Academic Audit, JNTUK, Kakinada

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

Total Marks 10.00

Institute Marks : 10.00

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

A. Improvement in Placements Numbers, Quality, Core Hiring Industry and Pay Packages (5)

B. Improvement in Higher Studies Admissions(3)

C. Improvement in Number of Entrepreneurs(2)

Continuous Improvement in Placement and Higher Studies during Last Three Assessment Years
Placements Analysis A.Y 2021-22

Table 7.3.1: Placement Analysis of A.Y 2021-22

S.No	Company Name	CTC in Lakhs	No of Placements	Core/IT/ITES
1	CAPGEMINI	4 LPA	10	IT
2	TCS	3.6 LPA	4	IT
3	WIPRO	3.5 LPA	30	IT
4	EFKON India Pvt. Ltd.	2.3 LPA	01	IT
5	HARMAN	5 LPA	01	IT
6	HEXAWARE	3.6 LPA	01	IT
7	INFOSYS	4 LPA	16	IT
8	MINDTREE	4 LPA	01	IT
9	ATOS	3.6 LPA	01	IT
10	Fox link india	3.6 LPA	01	IT
11	IDS	2.2 LPA	05	IT
12	Intech Additive Solutions	2.5 LPA	01	IT
13	Modernize Chip	3 LPA	01	Core
14	Moschip	3.6 LPA	02	Core
15	SILICONOUS	4.7 LPA	01	Core
16	Wipro-turbo	3.6 LPA	02	IT
17	BIST Technologies Private Limited.	3 LPA	05	CORE
18	Criztone Technology Pvt. Ltd.	4 LPA	04	ITES
19	NIYO FARM TECH Pvt. Ltd.	3.6 LPA	05	ITES
20	ALIEN Innovations Pvt. Ltd.	3.5 LPA	04	Core
21	Manjha Technologies Pvt. Ltd.	4 LPA	04	ITES
22	Logiciel Global services	1.4LPA	1	IT
	Total	**76.3LPA**	**101**	
	Average CTC	**3.46 LPA**		

Placements Analysis A.Y 2022-23

Table 7.3.2: Placement Analysis of A.Y 2022-23

S.No	Company Name	CTC in Lakhs	No of Placements	Core/IT/ITES
1	CONCENTRIX	3.28 LPA	14	IT
2	INTELLIPAT	7.25 LPA	2	IT
3	JHAISHNA TECHNOLOGIES	1.8 LPA	6	IT
4	SAVANTIS	3 LPA	7	IT
5	SURYA TECH SOLUTIONS	2.88 LPA	7	CORE
6	TECHONA ENTERPRISES	1.8 LPA	15	CORE
7	BIST Technologies Private Limited.	3 LPA	09	CORE
8	Criztone Technology Pvt. Ltd.	3.54 LPA	09	ITES
9	NIYO FARM TECH Pvt. Ltd.	3.6 LPA	09	ITES
10	ALIEN Innovations Pvt. Ltd.	4.2 LPA	09	CORE
11	Manjha Technologies Pvt. Ltd.	3.6 LPA	07	ITES
12	QUEST GLOBAL ENGG SERVICES	4.0LPA	01	IT
13	VIRTUAL VOICE TECHNOLOGIES	1.8LPA	01	IT
14	Unistring Tech solutions	3LPA	01	Core
	Total	**46.75 LPA**	**97**	
	Average CTC	**3.33 LPA**		

Placements Analysis A.Y 2023-24

Table 7.3.3: Placement Analysis of A.Y 2023-24

S.No	Company Name	CTC in Lakhs	No of Placements	Core/IT/ITES
1	CHANG YI Interconnect Tech.Pvt.Ltd	3.5 LPA	1	IT
2	Datalynx	2.8 LPA	1	IT
3	Efftronics	3.2 LPA	3	CORE
4	Palle Technologies	3 LPA	3	IT
5	Global Logic	2.2 LPA	1	ITES
6	Resolute	2.5 LPA	8	CORE
7	Scala automation solutions	1.8 LPA	3	IT
8	SURYATECH SOLUTIONS	2.93 LPA	5	CORE
9	Techona Enterprises	1.44 LPA	10	CORE
10	Wipro	3.5 LPA	1	IT

11	BIST Technologies Private Limited.	3 LPA	02	CORE
12	Criztone Technology Pvt. Ltd.	4.2 LPA	02	ITES
13	NIYO FARM TECH Pvt. Ltd.	4.2 LPA	01	ITES
14	ALIEN Innovations Pvt. Ltd.	3.6 LPA	01	CORE
15	Manjha Technologies Pvt. Ltd.	4 LPA	02	ITES
16	Upstartix Innovations Pvt. Ltd.	3.54 LPA	11	ITES
	Total	**48.41 LPA**	**55**	
	Average CTC	**3.02 LPA**		

Higher Education Details:

Table7.3.4: Higher Studies Enrolment details

S.No	Acedemic year	Name of student enrolling into higher education	Number of students admitted through GATE,PGECET etc..	No.of students opted for higher studies Abroad
1	2021-22	0	0	0
2	2022-23	1	0	0
3	2023-24	1	1	1
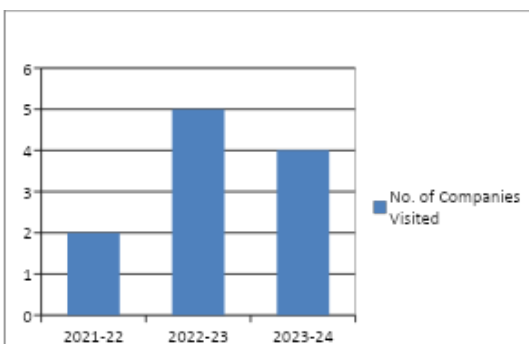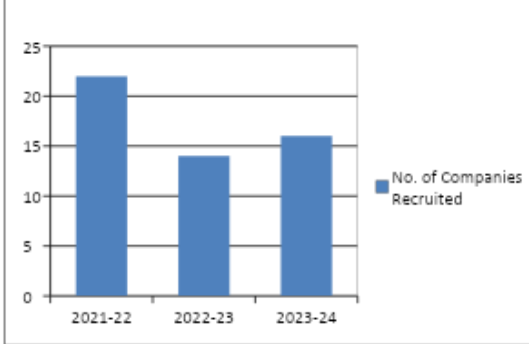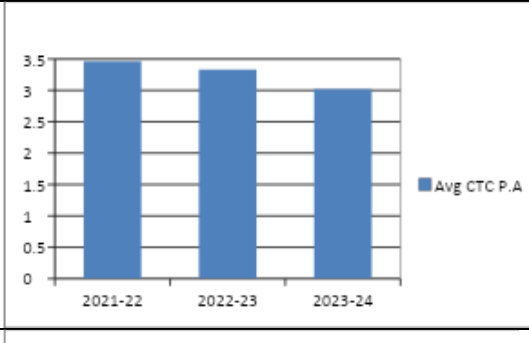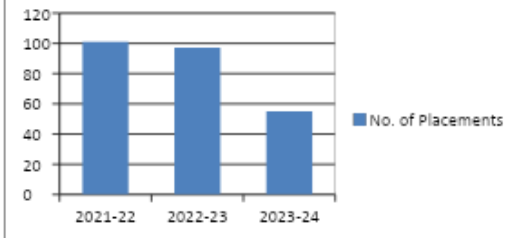
Table 7.3.5: summery of continuous improvement in placements and higher studies during assessment period
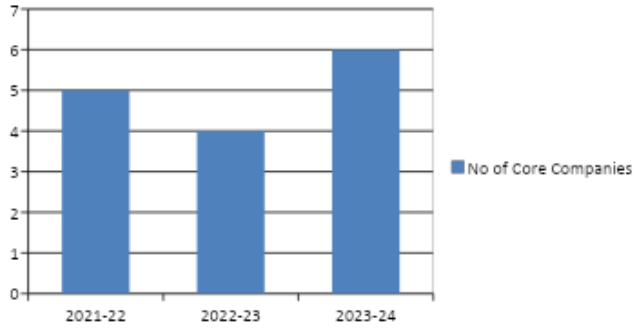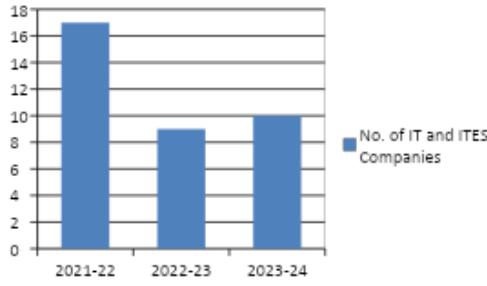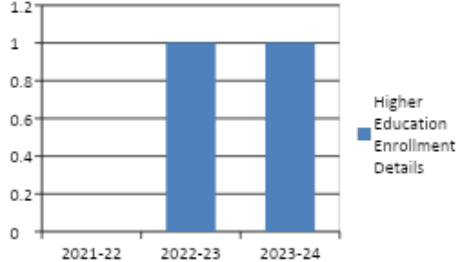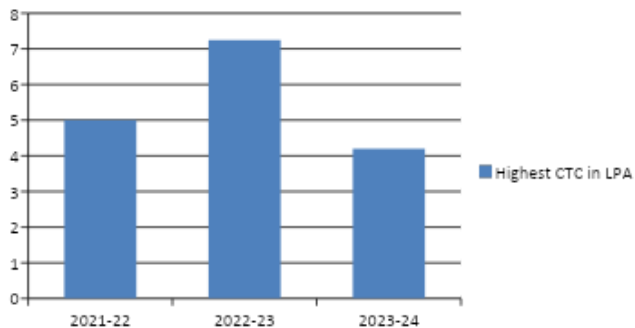
A. Y	No. of Companies Visited	No. of Companies Recruited	Avg CTC P.A	No. of Placements	No of Core Companies	No. of IT and ITES Companies	Higher Education Enrollment Details	Highest CTC in LPA
2021-22	2	22	3.46	101	05	17	0	5
2022-23	5	14	3.33	97	05	09	1	7.25
2023-24	4	16	3.02	55	06	10	1	4.2

Placement Assessment

Table 7.3.6: summary of continuous improvement in placements and higher studies during assessment period

SNO.	Representation	Trend Description

1.	Bar chart "No. of Companies Visited": 2021-22 = 2, 2022-23 = 5, 2023-24 = 4	Details of companies visited in last three academic years.
2.	Bar chart "No. of Companies Recruited": 2021-22 = 22, 2022-23 = 14, 2023-24 = 16	Decrease in companies recruited in the academic year 2022-23 due to recession in the market.
3	Bar chart "Avg CTC P.A": 2021-22 = 3.5, 2022-23 = 3.35, 2023-24 = 3	Average CTC is observed to be decreased as no of placements are decreased
4	Bar chart "No. of Placements": 2021-22 = 100, 2022-23 = 97, 2023-24 = 55	Placement opportunities decreased due to recession in the market.

5.		There is a significant increase in the number of core companies in A.Y 2023-2024
6.		Decrease in number of companies IT and ITES due recession in A.Y 2022-2023 and 2023-2024
7.		Details of higher education enrollment in the last 3 academic years
8.		Decrease in highest CTC in A.Y 2023-24 due recession in the market

7.4 Improvement in the quality of students admitted to the program (10)

Total Marks 10.00

Institute Marks : 10.00

Item		2024-25	2023-24	2022-23
National Level Entrance Examination NA	No of students admitted	0	0	0
	Opening Score/Rank	0	0	0
	Closing Score/Rank	0	0	0
State/ University/ Level Entrance Examination/ Others APEAPCET	No of students admitted	112	124	86
	Opening Score/Rank	37092	44930	63862
	Closing Score/Rank	177549	150750	171902
Name of the Entrance Examination for Lateral Entry or lateral entry details ECET	No of students admitted	20	34	28
	Opening Score/Rank	900	519	940
	Closing Score/Rank	4522	4724	6503
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		399	330	376

8 FIRST YEAR ACADEMICS (50)

Total Marks 44.49

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

Total Marks 5.00

Institute Marks : 5.00

Please provide First year faculty information considering load for the particular program

Name of the faculty member	PAN No.	Qualification	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of joining	Teaching load (%)			Currently Associated (Yes / No)	Nature Of Association (Regular / Contract)	Date Of leaving(In case Currently Associated is 'No')
							CAY	CAYm1	CAYm2			
Dr.N. Swamy K	BUAPK0006R	M.SC. (Mathematics) and PhD	07/01/2022	Mathematics	Professor	01/08/2022	100	100	100	Yes	Regular	
Dr. Ch.Sri Sant	AYHPK9252B	M.Sc. (Physics) and Ph.D.	08/05/2023	Physics	Associate Professor	01/06/2022	100	100	100	Yes	Regular	
Dr.R. Ravi	ALUPR0019F	M.Sc. and Ph.D. (Chemistry)	04/12/2014	Chemistry	Associate Professor	01/06/2022	100	100	100	Yes	Regular	
D.Supriya	ANLPT9481A	M.Sc	20/05/2006	Mathematics	Assistant Professor	16/06/2008	100	100	100	Yes	Regular	
B.Tandava Kris	BMFPB7596A	M.Sc	30/04/2011	Mathematics	Assistant Professor	03/06/2013	100	100	100	Yes	Regular	
P.Purnima	GNPPP8611E	M.Sc	30/07/2021	Physics	Assistant Professor	20/10/2021	100	100	100	Yes	Regular	
G.Manasa	GYYPM6524F	M.Sc	30/07/2021	Mathematics	Assistant Professor	22/10/2021	100	100	100	Yes	Regular	
V.Tejaswi	CKKPV9204R	M.Sc	30/04/2022	Physics	Assistant Professor	01/06/2022	100	100	100	Yes	Regular	
K. Ravi	DZXPK8071E	M.E/M.Tech	15/02/2017	MECHANICAL	Assistant Professor	08/06/2022	100	100	100	Yes	Regular	
V. Sai Mounika	AYDPV9641B	M.E/M.Tech	16/05/2018	MECHANICAL	Assistant Professor	04/06/2022	100	100	100	Yes	Regular	
Dr G Tejaswi	ATNPG8319C	M.Tech and Ph.D	30/03/2024	EEE	Associate Professor	03/06/2022	100	100	100	Yes	Regular	
Sajida Sultana	ELNPS5673D	M.E/M.Tech	30/10/2010	CSE	Assistant Professor	04/06/2022	100	100	100	Yes	Regular	
B.R.Nagavalli	BASPB2311L	M.Phil	30/04/2007	English	Assistant Professor	13/06/2016	0	0	100	No	Regular	15/07/2023
M.L.L.Phanikar	BKOPM2098H	M.Phil	01/12/2009	Mathematics	Assistant Professor	10/07/2009	100	100	100	Yes	Regular	
SK.Hidayatulla	BZQPS9234Q	MA	30/04/2005	English	Assistant Professor	06/06/2012	100	100	100	Yes	Regular	
P.Rambabu	BURPP8901K	M.Sc	30/11/2005	Physics	Assistant Professor	16/05/2016	100	100	100	Yes	Regular	
Y.V.R.D.N.Sara	ANCPY1539K	M.Sc	30/04/2006	Mathematics	Assistant Professor	22/05/2017	100	100	100	Yes	Regular	
B.Srinivasarao	BADPB7654M	M.Sc	30/04/2014	Chemistry	Assistant Professor	30/07/2021	100	100	100	Yes	Regular	

D.Lakshmi	EFHPD2679G	M.Sc	28/04/2017	Chemistry	Assistant Professor	29/12/2017	100	100	100	Yes	Regular	
K V V N Bhask	BTUPK9848N	M.Tech	30/09/2010	EEE	Assistant Professor	01/08/2015	100	100	100	Yes	Regular	
Ch. Giri Phani	AXDPO1823D	M.Tech	30/12/2014	CIVIL	Assistant Professor	18/11/2019	100	100	100	Yes	Regular	
N.Vinay Kumar	AYQPN5154J	M.Tech	30/06/2017	CIVIL	Assistant Professor	21/12/2020	100	100	100	Yes	Regular	
K. Nagamani	EFAPK5362E	M.Tech	30/01/2019	CSE	Assistant Professor	06/06/2022	100	100	100	Yes	Regular	
K. Keerthi	DUWPK7981R	M.Tech	30/12/2017	CSE	Assistant Professor	20/06/2022	100	100	100	Yes	Regular	
K.Murali Mohar	APZPM1633B	M.Tech	30/11/2013	CSE	Assistant Professor	09/06/2022	100	100	100	Yes	Regular	
Dr.Ch.Sesha S	AIQPC4077P	M.A and Ph.D	21/11/2022	English	Associate Professor	05/07/2023	100	100	0	Yes	Regular	
Dr.A.V.Raghura	ANUPA7595F	M.A and Ph.D	09/03/2021	English	Professor	06/05/2008	100	100	100	Yes	Regular	
N.H.N.Bhavani	FDQPB9001Q	M.Sc	30/04/2018	Chemistry	Assistant Professor	04/07/2022	100	100	100	Yes	Regular	
P.Vijaykanth	CVFPP3551D	M.Tech	30/07/2019	Mechanical	Assistant Professor	10/06/2022	100	100	100	Yes	Regular	
P.Srikanth	BFAPP4592L	M.Tech	30/01/2014	EEE	Assistant Professor	13/05/2014	100	100	100	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 to Max.5)
2022-23(CAYm2)	480	29	17	5
2023-24(CAYm1)	510	29	18	5
2024-25(CAY)	510	29	18	5
Average	500	29	17	5

8.2 Qualification of Faculty Teaching First Year Common Courses (5)   Total Marks 2.00

Institute Marks : 2.00

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Faculty with Post graduate Qualification)	RF (Number Of Faculty Members required as per SFR of 20:1	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2022-23	3	16	24	2.00
2023-24	5	15	25	2.00
2024-25	5	15	25	2.00

Average Assessment: 2.00

8.3 First Year Academic Performance (10)   Total Marks 7.49

                                                                                       Institute Marks : 7.49

Academic Performance	2024-25	2023-24	2022-23
Mean of CGPA or mean percentage of all successful students(X)	7.90	7.70	7.59
Total Number of successful students(Y)	118.00	104.00	99.00
Total Number of students appeared in the examination(Z)	120.00	108.00	103.00
API [X*(Y/Z)]	7.77	7.41	7.30

Average API[(AP1+AP2+AP3)/3] : 7.49

Assessment [1.5 * Average API] : 7.49

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

Procedure for Attainment of Cos
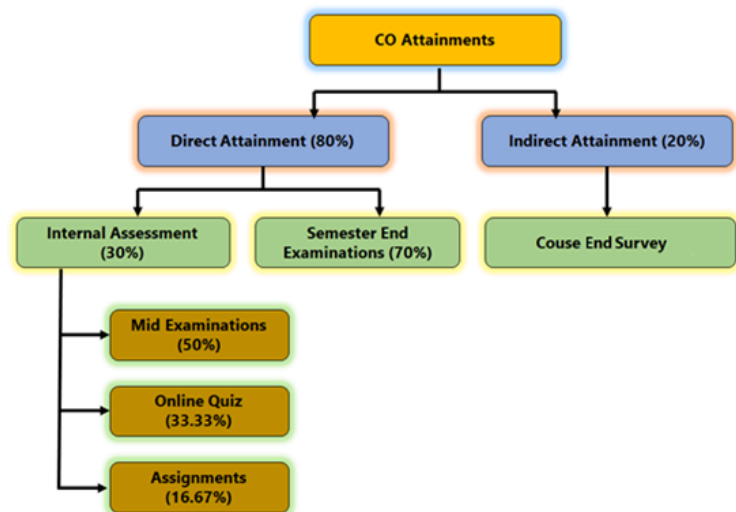
Procedure for COs Assessment:

A. List of assessment processes (1)

Assessment Tools and Processes :

A. Course Outcome Assessment for Theory Courses

Assessment Methods	Weights		
Continuous Internal Examination	70%		Final Course Outcome
Semester End Examination	30%	80%	
Course End Survey(CO Feedback)		20%	

The attainment of course outcome (CO) is assessed through direct and indirect evaluations. The direct attainment is measured based on the performance of the students in the internal and external examinations. TheCourse end surveyquestionnaireispreparedbytheCourseinstructorinconsultationwiththe Program Coordinator. The indirect attainment is measured based on course end survey. The Course end survey questionnaire consisting of all course outcomes is distributed to the students at the end of everysemester.The Survey reports are assessed with a rating of 3 for excellent, 2forGood, 1 for Poor.The average of the ratings obtained from course end survey will be taken on 3 points scale. By taking the weighted average of internal, external and course end survey the final co assessment is calculated.

For Theory & Mandatory Courses:

Direct Attainment for subjects:

S.No	Assessment Method	Marks Weightage
1	Mid	15(50%)
2	Assignment	5(10%)
3	Online	10(10%)
4	End Semester Exam	70(30%)

B. The relevance of assessment tools used (4)

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Internal examinations. (Mid+Assignments+Quiz)	Twice per Semester	Examinations cell	Students scored >50% max mark	3: >70% students 2: 50-60% students 1:40-50% students 0:<40% students	70%
University Examinations	Once per semester	Examinations cell	Students scored > 50% max mark	3: >60% students 2: 40-60% students 1: 20-40% students 0:<20% students	30%

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
DEPARTMENT OF SCIENCE AND HUMANITIES

Subject Code	B23EC22
Subject Name	NETWORK ANALYSIS
Year & Sem	I.BTECH,II-SEM
Academic Year	2023-2024
Faculty Name	SOWRATHI RAJESWARI

COURSE OUTCOMES(BTL)		Performed	Appeared	3-SCALE	CIE (%)
CO1	Understand basic electrical circuits with	117	123	2.85	95.12
CO2	Analyse the circuit using natwork simpli	116	122	2.85	95.08
CO3	Find Transient response and Steady stat	115	121	2.85	95.04
CO4	Analyse electrical networks in the	114	120	2.85	95.00
CO5	Compute the parameters of a two-port	113	119	2.85	94.96

Sl. No.	Roll Numbers	First Mid					Second Mid						Studentwise CO Attainments				
		Q1	Q2	Q3	Assignment 1	Quiz 1	Q1	Q2	Q3	Assignment 2	Quiz 2		CO 1	CO 2	CO 3	CO 4	CO 5
		5	5	5	5	10	5	5	5	5	10						
		CO1	CO2	CO1 or	CO 1,2,3	CO 1,2,3	CO3	CO4	CO5	CO 3,4,5	CO 3,4,5						
1	23MQ1A0401	1	0	0	5	8	1	0	0	4	7		1.68	1.95	1.80	1.65	1.65
2	23MQ1A0402	5	5	4	5	10	4	4	2	5	7		2.88	3.00	2.40	2.40	2.10
3	23MQ1A0403	4	5	2	5	10	4.5	4.5	2.5	5	7		2.52	3.00	2.48	2.48	2.18
4	23MQ1A0404	1	0	0	5	7	4	3	1	5	7		1.56	1.80	2.40	2.25	1.95
5	23MQ1A0405	4	5	2	5	9	3	5	1.5	5	7		2.40	2.85	2.25	2.55	2.03
6	23MQ1A0406	4	4	2	5	8	1	5	1.5	5	6		2.28	2.55	1.80	2.40	1.88
7	23MQ1A0407	5	5	5	5	10	4.5	5	5	5	7		3.00	3.00	2.48	2.55	2.55
8	23MQ1A0408	5	5	5	5	9	4	5	5	5	8		2.88	2.85	2.55	2.70	2.70
9	23MQ1A0409	4	4	2	5	6	1.5	4	4	5	8		2.04	2.25	2.18	2.55	2.55
10	23MQ1A0410	4	3	2	5	9	1	4.5	0	5	6		2.40	2.55	1.80	2.33	1.65
11	23MQ1A0411	5	5	5	5	9	4	4.5	4	5	5		2.88	2.85	2.10	2.18	2.10
12	23MQ1A0412	5	5	4	5	9	3	5	5	5	9		2.76	2.85	1.95	2.25	2.25
13	23MQ1A0413	3	0	0	5	7	0	0	0	5	7		1.80	1.80	1.65	1.65	1.65
14	23MQ1A0414	5	4	0	5	8	5	5	2	5	7		2.16	2.55	2.55	2.55	2.10
15	23MQ1A0415	1	1	0	5	6	4.5	4	2.5	5	7		1.44	1.80	2.48	2.40	2.18
16	23MQ1A0416	3	2	0	5	6	0	4	0	5	7		1.68	1.95	1.80	2.40	1.80
17	23MQ1A0417	5	4	5	5	10	1	4.5	2.5	5	6		3.00	2.85	1.80	2.33	2.03
18	23MQ1A0418	5	5	5	5	10	5	4.5	2.5	5	8		3.00	3.00	2.70	2.63	2.33
19	23MQ1A0419	3	2	1	5	10	0	4.5	0	4	8		2.28	2.55	1.80	2.48	1.80
20	23MQ1A0420	4	4	0	5	10	0	4.5	0	5	8		2.28	2.85	1.80	2.63	1.95
21	23MQ1A0421	4	4	0	5	10	1	3	1.5	4	8		2.28	2.85	1.95	2.25	2.55
22	23MQ1A0422	4	4	2	5	10	0	4	5	4	8		2.52	2.85	1.80	2.40	2.55
23	23MQ1A0423	5	5	5	5	10	5	5	5	5	9		3.00	3.00	2.85	2.85	2.85
24	23MQ1A0424	1	0	0	5	8	3.5	4	0	0	7		1.68	1.95	1.58	1.65	1.05
25	23MQ1A0425	5	4	5	5	10	4	4.5	5	5	9		3.00	2.85	2.70	2.78	2.85
26	23MQ1A0426	5	5	5	5	10	4.5	5	5	5	9		3.00	3.00	2.78	2.85	2.85

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		COURSE OUTCOMES(BTL)	Performed	Appeared	3-SCALE	SEE (%)
Subject Code	B23EC22	Understand basic electrical circuits with nodal and mesh analysis.	80	123	1.95	65.04
Subject Name	NETWORK ANALYSIS	Analyse the circuit using network simplification theorems.	64	122	1.57	52.46
Year & Sem	I.BTECH,II-SEM	Find Transient response and Steady state response of a network.	92	121	2.28	76.03
Academic Year	2023-2024	Analyse electrical networks in the Laplace domain.	46	120	1.15	38.33
Faculty Name	SOWRATHI RAJESWARI	Compute the parameters of a two-port network.	72	119	1.82	60.50

S. No.	Q 1a	Q1b	Q1c	Q1d	Q1e	Q1f	Q1g	Q1h	Q1i	Q1j	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11		Studentwise CO Attainments				
	2	2	2	2	2	2	2	2	2	2	10	10	10	10	10	10	10	10	10	10		CO1	CO2	CO3	CO4	CO5
	CO1	CO1	CO2	CO1	CO3	CO3	CO4	CO4	CO5	CO5	CO1	CO2	CO3	CO4	CO4	CO5	CO5									
1	2	1	2	1	1	2	1	2	0	1	5	0	3	0	6	0	0	3	6	0		1.71	0.86	1.93	1.29	1.50
2	0	1	1	0	1	2	0	2	2	1	2	0	2	0	4	0	0	3	4	3		0.64	0.64	1.50	1.07	1.50
3	2	2	2	1	1	2	0	2	2	1	1	1	2	2	3	1	0	6	6	0		1.07	1.07	1.29	0.64	1.93
4	2	0	2	0	2	0	2	1	1	6	0	3	0	4	0	0	0	4	0			1.71	1.07	1.29	0.43	1.29
5	2	1	2	1	2	2	1	1	7	0	4	3	8	0	0	0	8	0	0			2.14	1.50	2.57	0.64	2.14
6	2	1	2	1	1	2	1	1	4	0	7	0	0	7	0	4	0	6				1.50	2.14	2.14	1.50	1.71
7	2	1	2	2	2	1	2	2	1	5	0	5	0	6	0	0	6	5	4			1.71	1.93	2.14	1.93	1.71
8	0	0	2	0	0	2	0	2	0	1	5	0	3	0	2	0	4	0	0	4		1.07	1.07	0.86	1.29	1.07
9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0.21	0.00	0.00	0.00	0.00
10	2	2	2	1	2	1	2	1	1	6	2	8	0	8	0	3	0	8	0			2.14	2.36	2.57	1.29	2.14
11	1	1	1	1	2	1	1	0	2	6	0	6	0	6	0	0	6	7	0			1.71	1.71	2.14	1.71	1.93
12	1	1	2	1	2	1	1	2	1	4	0	5	3	0	6	4	0	0				1.29	1.71	1.71	1.93	1.29
13	0	2	1	2	0	2	1	1	5	0	0	0	6	0	0	0	7	0	0			1.50	0.43	2.14	0.43	1.93
14	1	2	1	2	1	1	1	1	8	0	8	0	8	0	0	0	4	0	6			2.36	2.36	1.29	1.71	1.71
15	1	1	1	2	1	0	1	1	5	0	6	0	5	2	1	0	2	0				1.93	1.93	1.71	0.43	1.50

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
DEPARTMENT OF SCIENCE AND HUMANITIES

Subject Code	B23SH13
Subject Name	LA&C
Year & Sem	I-B.TECH,I-SEM
Academic Year	2023-2024
Faculty Name	DR .K.N SWAMY , M.LI. PHANIKANTH ,B.MOUNIKA ,G.MANASA

COURSE OUTCOMES(BTL)	INTERNAL		EXTERNAL		DIRECT CO	INDIRECT CO	FINAL CO
	Performed	Appeared	Performed	Appeared	ATTAINMEN	ATTAINMENT	ATTAINMEN
Understand basic electrical circuits with nodal and mesh analysis.	117	123	80	123	2.22	3.00	2.38
Analyse the circuit using network simplification theorems.	116	122	64	122	1.96	3.00	2.17
Find Transient response and Steady state response of a network.	115	121	92	121	2.45	3.00	2.56
Analyse electrical networks in the Laplace domain.	114	120	46	120	1.66	3.00	1.93
Compute the parameters of a two-port network.	113	119	72	119	2.13	3.00	2.30

	INTERNAL	EXTERNAL	DIRECT	INDIRECT	FINAL	Target	1.8	60% of 3
CO 1	2.85	1.95	2.22	3.00	2.38	YES		
CO 2	2.85	1.57	1.96	3.00	2.17	YES		
CO 3	2.85	2.28	2.45	3.00	2.56	YES		
CO 4	2.85	1.15	1.66	3.00	1.93	YES		
CO 5	2.85	1.82	2.13	3.00	2.30	YES		

Sample Course End Survey :

CO Feedback I-I ECE

B I U ⊖ ✕

3-EXCELLENT, 2-GOOD , 1-AVERAGE

This form is automatically collecting emails from all respondents. Change settings

Roll No *

Short answer text

Engineering Physics
1 Your ability to Analyze the intensity variation of light due to polarization, interference and diffraction   *

○ 3

○ 2

○ 1

Sample Attainment form for Lab related courses:

Indirect Attainment for subjects

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
CO Feedback	End of semester	Assessment committee coordinator	Average of entire class for each CO	Class Average on the scale of 1-3	100%

Overall course attainment = 0.8*Direct attainment+0.2*Indirect attainment.

Course End Survey (Lab):

CO Feedback I-I ECE

B I U ⊖ ✕

3-EXCELLENT, 2-GOOD , 1-AVERAGE

This form is automatically collecting emails from all respondents. Change settings

Roll No *

Short answer text

Engineering Physics
1 Your ability to Analyze the intensity variation of light due to polarization, interference and diffraction   *

○ 3

○ 2

○ 1

B.Course outcomeAssessment for Laboratory courses

Assessment Methods	Weights		Final Course Outcome
Continuous Internal Examination	30%	80%	
Semester End Examination	70%		
Course End Survey	20%		

The attainment of course outcome is assessed through direct evaluations as follows:

The evaluation is done in two stages viz; continuous evaluation and end semester examination. The final marks awarded to a student are based on the following criteria.

- Continuous Evaluation (15marks)

    Internal Exam -5 marks

    Day to Day evaluation-5 marks

    Record -5 marks

- End Semester examination (35 marks)

Laboratories Direct method:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Internal Examination (Day to Day Evaluation + Record+Exam)	Once in Semester. (Day to day Evaluation & Record-During each lab session)	Lab Coordinator	Students scored > 50% max mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	30%
University Examinations	Once in Semester	University appointed Examiner	Students scored >50% max mark	3: >=90 students 2: 80-90% students 1: 50-80% students 0:<50%	70%

Indirect Method:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Lab Feedback	End of semester	Assessment committee coordinator	Average of entire class for each CO	Class Average on the scale of 1-3	100%

Overall course attainment = 0.8*Direct attainment+0.2*Indirect attainment.

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

2023-2024

Course Direct Attainments

S.No	COURSE NAME	CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8	CO9	AVG
1	C111(EP)	1.56	1.44	1.42	0.71	**0.4**					1.11
2	C112(LA&C)	2.59	1.92	1.1	1.43	1.07					1.62
3	C113(BEEE)	0.79	0.75	0.09	0.85	0.28	**0.34**	0.39	0.19		0.46
4	C114(EG)	2.55	1.81	2.33	2.1	2.1					2.18
5	C115(IP)	2.4	1.94	1.94	2.05	1.53					1.97
6	C116(ITWS)	2.67	3	3	3	3					2.93
7	C117(EP LAB)	1.93	2.5	2.5	2.5	2.63					2.41
8	C118(EEEWS)	3	3	3	3	3	3	3	3		3.00
9	C119(CP LAB)	2.67	3	3	3	3					2.93
10	C11A(NSS)	3	3	3	3	3					3.00
11	C121(ENG)	3	3	3	3	3					3
12	C122(CHEM)	1.7	1.88	1.93	1.7	1.88					1.82
13	C123(DEVC)	1.85	1.95	2.05	1.75	1.7					1.86
14	C124(BCME)	1.47	0.88	0.36	1.30	0.99	1.17	1.48	1.54	0.87	0.68
15	C125(NA)	2.22	1.96	2.45	1.66	2.13					2.08
16	C126(ELCS LAB)	3	3	3	3	3					3.00
17	C127CHEM LAB	**2.85**	**2.9**	**2.75**	2.68	3					2.85
18	C128(EWSLAB)	2.48	2.45	2.57	2.49	-					2.50
19	C129NALAB	3	3	3	3	3					3.00
20	C12A(H&Y)	3	3	3	3	3					3.00

2023-24

CO INDIRECT ATTAINMENTS

S.No	COURSE NAME	CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8	CO9	AVG
1	C111(EP)	3	3	3	3	3					3
2	C112(LA&C)	3	3	3	3	3					3
3	C113(BEEE)	3	3	3	3	3	3	3	3		3
4	C114(EG)	3	3	3	3	3					3
5	C115(IP)	3	3	3	3	3					3
6	C116(ITWS)	3	3	3	3	3					3
7	C117(EP LAB)	3	3	3	3	3					3
8	C118(EEEWS)	3	3	3	3	3	3	3	3		3

9	C119(CP LAB)	3	3	3	3	3					3
10	C11A(NSS)	3	3	3	3	3					3
11	C121(ENG)	3	3	3	3	3					3
12	C122(CHEM)	3	3	3	3	3					3
13	C123(DEVC)	3	3	3	3	3	3	3	3		3
14	C124(BCME)	3	3	3	3	3	3	3	3	3	3
15	C125(NA)	3	3	3	3	3					3
16	C126(ELCS LAB)	3	3	3	3	3					3
17	C127CHEM LAB	3	3	3	3	3					3
18	C128(EWSLAB)	3	3	3	3	3					3
19	C129NALAB	3	3	3	3	3					3
20	C12A(H&Y)	3	3	3	3	3					3

Overall Course Attainments
2020-2024

S.NO	COURSE	Direct Attainment	Indirect Attainment	Overall Attainment	Target	Attained (Y/N)
1	C111(EP)	1.11	3	1.49	1.8	N
2	C112(LA&C)	1.62	3	1.90	1.8	Y
3	C113(BEEE)	0.46	3	0.97	1.8	N
4	C114(EG)	2.18	3	2.34	1.8	Y
5	C115(IP)	1.97	3	2.18	1.8	Y
6	C116(ITWS)	2.93	3	2.94	2.4	Y
7	C117(EP LAB)	2.41	3	2.53	2.4	Y
8	C118(EEEWS)	3.00	3	3.00	2.4	Y
9	C119(CP LAB)	2.93	3	2.94	2.4	Y
10	C11A(NSS)	3.00	3	3.00	2.4	Y
11	C121(ENG)	3	3	3	1.8	Y
12	C122(CHEM)	1.82	3	2.06	1.8	Y
13	C123(DEVC)	1.86	3	2.09	1.8	Y
14	C124(BCME)	0.68	3	1.14	1.8	N
15	C125(NA)	2.08	3	2.26	1.8	Y
16	C126(ELCS LAB)	3.00	3	3.00	1.8	Y
17	C127CHEM LAB	2.85	3	2.88	2.4	Y
18	C128(EWSLAB)	2.50	3	2.60	2.4	Y
19	C129NALAB	3.00	3	3.00	2.4	Y

20	C12A(H&Y)	3.00	3	3.00	2.4	Y

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

8.5.1 Indicate results of evaluation of ezch relevant PO and/ or PSO, if applicable (15)   Institute Marks : 15.00

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	1.47	1.47	PO3	0.98	1.47	PO6	PO7	PO8	1.47	PO10	PO11	PO12
C112	1.9	1.9	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.95
C113	1.47	1.47	PO3	PO4	PO5	1.22	0.82	0.98	0.49	PO10	PO11	0.49
C114	2.34	2.34	3	PO4	1.17	PO6	PO7	PO8	PO9	PO10	PO11	1.17
C115	2.24	2.24	2.98	2.24	1.12	PO6	PO7	PO8	PO9	PO10	PO11	2.24
C116	3	3	2.63	2.63	PO5	2.63	PO7	PO8	3	3	PO11	PO12
C117	1.27	1.27	PO3	2.53	2.53	PO6	PO7	PO8	3	PO10	PO11	PO12
C118	2.4	2.4	2.4	PO4	2.4	PO6	2.4	3	3	3	PO11	3
C119	2.67	2.67	1.34	2.67	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C11A	PO1	PO2	PO3	PO4	PO5	3	3	PO8	PO9	PO10	2.5	3
C121	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2.67	3	2.67	PO11	3
C122	1.99	1.99	1.99	PO4	PO5	2.24	2.49	PO8	PO9	PO10	PO11	PO12
C123	2.09	2.09	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.05
C124	1.68	1.68	1.12	PO4	1.4	1.4	0.93	1.12	0.56	PO10	PO11	0.56
C125	2.31	2.31	1.92	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.92
C126	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2.67	2.67	2.67	PO11	3
C127	2.3	2.3	PO3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	PO12
C128	2.31	2.31	PO3	PO4	PO5	PO6	PO7	PO8	2.31	2.31	PO11	PO12
C129	3	3	2.33	2.33	3	PO6	PO7	PO8	3	PO10	PO11	2.33
C12A	PO1	PO2	PO3	PO4	PO5	3	3	PO8	PO9	PO10	2.5	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	2.22	2.07	1.97	2.11	1.90	2.63	2.68	2.46	2.11	2.34	0	2.12
Direct Attainment	2.16	2.15	2.17	2.21	2.00	2.39	2.29	2.15	2.24	2.66	2.5	1.99
CO Attainment	2.16	2.15	2.17	2.21	2.00	2.39	2.29	2.15	2.24	2.66	2.5	1.99

PSOs Attainment:

Course	PSO1	PSO2	PSO3	PSO4
C111	PSO1	PSO2	PSO3	PSO4
C112	PSO1	PSO2	PSO3	PSO4
C113	PSO1	PSO2	PSO3	PSO4
C114	PSO1	PSO2	PSO3	PSO4
C115	0	2.02	2.34	PSO4
C115	PSO1	PSO2	PSO3	PSO4
C116	PSO1	PSO2	PSO3	PSO4
C117	PSO1	PSO2	PSO3	PSO4
C118	PSO1	PSO2	PSO3	PSO4
C119	0	2.73	3	PSO4
C11A	PSO1	PSO2	PSO3	PSO4
C121	PSO1	PSO2	PSO3	3
C122	PSO1	PSO2	PSO3	PSO4
C123	PSO1	PSO2	PSO3	PSO4
C124	PSO1	PSO2	PSO3	PSO4
C125	2.26	PSO2	PSO3	PSO4
C126	PSO1	PSO2	PSO3	PSO4
C127	PSO1	PSO2	PSO3	PSO4
C128	PSO1	2.6	2.6	2.6
C129	PSO1	PSO2	PSO3	PSO4
C12A	PSO1	PSO2	PSO3	PSO4
PSO Attainment	2.26	2.45	2.65	2.8

PSO Attainment Level

Course	PSO1	PSO2	PSO3	PSO4
Direct Attainment	2.26	2.45	2.65	2.8

8.5.2 Actions taken based on the results of evaluation of relevant POs (5)   Institute Marks : 5.00

POs Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations

PO 1 : Engineering Knowledge

PO 1	2.10	2.16	Target level attained

1.Conducted problem oriented tutorial classes 2. Remedial classes for weak students 3. Practical classes to improve understanding of Basic sciences. 4.Bridge course were conducted before the commencement of first year to enhance the prerequisite knowledge in Engineering.

PO 2 : Problem Analysis

PO 2	2.10	2.15	Target level attained

1.Conducted Tutorial sessions to solve Engineering Problems. 2.To motivate the student to use the library and to surf the internet for problem Analysis. 3.Increase the problem-solving capabilities by giving the home the needed writing work on subjects M1 and Physics. 4.Assignments will be framed to increase the problem-solving capabilities.

PO 3 : Design/development of Solutions

PO 3	2.10	2.17	Target level attained

1.Organized various Engineering fests and Cultural Events to make students Aware about cultural and Social importance. 2.Motivate students to explore cutting-edge technologies. 3.Plan to conduct workshop on advanced technologies.

PO 4 : Conduct Investigations of Complex Problems

PO 4	2.10	2.21	Target level attained

1.Conducted Technical events 2.Assigned some extra problems to students and ask them to solve in Tutorial and lab sessions for better understanding of subject. 3.It is proposed to increase the target level in the next academic year. 4.Students will be motivated to participate in national and international conferences.

PO 5 : Modern Tool Usage

PO 5	2.10	2	Target level not attained

1.Students are encouraged to use design thinking approach to selected Engineering problems. 2.Planned to conduct Workshops to improve modern tool usage capabilities.

PO 6 : The Engineer and Society

PO 6	2.10	2.39	Target level attained

1.Expert sessions on duties and responsibilities of Engineer's in Society. 2.To motivate the students to enroll in community services units like NSS. 3.Students will be encouraged to participate in a hackathon to solve problems related to societal needs.

PO 7 : Environment and Sustainability

PO 7	2.10	2.29	Target level attained

1.Tutorials on sustainable Engineering 2. Conducted social service activities as a part of NSS. 3.Conduct of the AP State Student Convention. 4.Encouraging the students to participate in conferences, seminars, and workshops.

PO 8 : Ethics

PO 8	2.10	2.15	Target level attained

1.Students are motivated and made aware about demands of Engineering profession and importance of Honest and Ethics. 2.Students are to be trained on communication skills so that they can convey their ideas, which will be helpful to society. 3.Students were trained to impart ethical principles and responsibilities as a part of class work, as every subject has its own ethics inherently in it.

PO 9 : Individual and Team Work

PO 9	2.10	2.24	Target level attained

1.Conducted Team based Social service activities 2. Students are encouraged to participate in group activities as a member or leader. 3.Encouraging the students to participate in conferences, seminars, and workshops.

PO 10 : Communication

PO 10	2.10	2.66	Target level attained

1. Expert lecture in communication skills 2.Sessions in Language lab. 3.Students are to be trained on communication skills so that they can convey their ideas, which will be helpful to society. 4.It is proposed to increase the target level in the next academic year.

PO 11 : Project Management and Finance

PO 11	2.10	2.5	Target level attained

1.In Technical management responsibility given to students in various technical events. 2.Class on Engineering Ethics to be followed.

PO 12 : Life-long Learning

PO 12	2.10	1.99	Target level not attained

1.Team based problem solving in laboratory sessions. 2.Students will be encouraged to register and complete online courses from Coursera, Edx, Udemy and NPTEL. 3.A technical talk on advanced technologies will be organized.

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations

PSO 1 : Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing.

PSO 1	2.10	2.26	Target attained

1. Conducted remedial classes on Analog circuits

PSO 2 : Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.

PSO 2	2.10	2.45	Target attained

1.Conducted Guest Lecture on VLSI

PSO 3 : Able to identify problems in the society and solve by designing projects.

PSO 3	2.10	2.65	Target attained

1.Conducted online Guest Lecture on Designing projects

PSO 4 : Able to improve personality development life skills and make them to be industry ready

PSO 4	2.10	2.8	Target attained

1.Planning to Conduct Expert sessions on personality development

9 STUDENT SUPPORT SYSTEMS (50)   Total Marks 50.00

9.1 Mentoring system to help at individual level (5)   Total Marks 5.00

Institute Marks : 5.00

A. Details of the mentoring system that has been developed for the students for various purposes and also state the efficacy of such system (5)

Mentoring system to help at individual level:
Counseling is an important part of all educational institutions. In this practice students and staff can resolve outstanding negative situations and improve upon positive aspects. Student mentoring is an integral part of the organization. A mentor is the teacher who shares his knowledge and experiences while bringing the students (mentees) up the ranks. The system of mentoring is followed in every department with the primary objective of providing reliable and constant support to the mentees in order to excel in both personal and professional life.

Objectives of the Mentoring System
- To help students understand the challenges and opportunities present in the institute and develop a smooth transition
- To counsel the students on how to cope with academic, non-academic, and personal problems
- To provide positive role models to undergraduate students of the Institute
- To proactively identify problems with the students and bring them to the attention of the authorities concerned.

Figure 9.1.1 Levels in mentoring system

Benefits of the Mentoring System
- It support mentees advancement in research activity, conference presentations, publications, and pedagogical skills.
- Mentoring provides resources for dealing with stressful or difficult periods in their graduate careers.
- Mentors, with their experiences and networks, help improve the students "prospects of securing professional placement.
- Mentoring can help the students lower their stress and build confidence.
- Constant interaction with a mentor will promote students" engagement in the field through active participation.

Types of Mentoring Professional Guidance

The departments are well equipped with knowledgeable human resources in the form of faculty members who, by keeping themselves abreast of the latest developments, offer guidance to prospective professionals in addition to classroom teaching. The industry-institute partnership cell and the entrepreneurship development cell have been putting efforts in this direction.

Career Advancement
The Training and Placement Cell has been active not only in arranging campus recruitment drives but also in offering awareness and training for the students.

Coursework
The mentor and members of the faculty handling different courses interact with students to clarify all their doubts in their respective courses.

Lab-Specific
Each of the lab sessions is handled by two teachers in order to have special care for the students while the experiments are being handled. A demonstrative presentation is given by the teacher concerned before every experiment. The laboratory records are evaluated after the experiment is held. In other words, there is active involvement of the members of the faculty at the pre-experiment stage, at the time of the experiment, and after the experiment.

List of Mentor-Mentee :: (AY-2023-2024)

| S.No | Name Of The Mentor | Year | Regd No | | Student Count |
			From	To	
1	K V G M SREERAM	II	23MQ1A0101	23MQ1A0103	3
		II	24MQ5A0101	24MQ5A0112	12

2	J VENKATESH	II	24MQ5A0113	24MQ5A0123	10
		III	23MQ5A0101	23MQ5A0104,106	5
3	V BALA KRISHNA	IV	21MQ1A0101	21MQ1A0104	4
		IV	22MQ5A0101	22MQ5A0106, 21MQ5A0110	7
4	T.DURGA PRASAD	II	23MQ1A0301-303,	24MQ5A0301-308	11
5	CH.ANUSHA	II	24MQ5A0309	24MQ5A0319	11
6	K.SUKUMAR	II	24MQ5A0320	24MQ5A0330	11
7	V.RAVI	II	24MQ5A0331	24MQ5A0341	11
8	Dr.MD. ABID ALI	II	24MQ5A0342	24MQ5A0352	11
9	D.KHYATHIMAI	III	23MQ5A0301	23MQ5A0304	4
10	V.SATISH KUMAR	III	23MQ5A0305	23MQ5A0308	4
11	D.KHYATHIMAI	III	23MQ5A0301	23MQ5A0304	4
12	V.SATISH KUMAR	III	23MQ5A0305	23MQ5A0308	4
13	D.KIRAN BABU	IV	21MQ1A0301-305, 22MQ5A0301	22MQ5A0304	9
14	Dr. D .RAJA RAMESH	IV	22MQ5A0305	22MQ5A0313	9
15	K.LAKSHMI PRIYA	IV	22MQ5A0314	22MQ5A0320, 21MQ5A0329	9
16	Dr.Sk.Zelani	II	23MQ1A0401	23MQ1A0415	15
17	Dr R.Sambasiva Nayak	II	23MQ1A0416	23MQ1A0430	15
18	Ms.R Tulasi	II	23MQ1A0432	23MQ1A0446	15
19	Dr.Murali Babu	II	23MQ1A0447	23MQ1A0461	15
20	Mr.K.P.R.R.Raju	II	23MQ1A0462	23MQ1A0478	16
21	Mr.K.G.V Nageswaarao	II	23MQ1A0479	23MQ1A0495	16
22	Mrs.Karuna Gone	II	23MQ1A0496	23MQ1A04B1	16
23	Mrs.J.S Deepika	II	23MQ1A04B2	23MQ1A04C4 &24MQ5A0401-24MQ5A0403	16
24	Mrs. G.N.P Jyothi	II	24MQ5A0404	24MQ5A0420	17
25	Mr.Y.R.K Paramahamsa	III	22MQ1A0401	22MQ1A0417	17
26	Mrs.P.Jyothi	III	22MQ1A0418	22MQ1A0434	17
27	Mrs.S.Rajeswari	III	22MQ1A0435 & 223C1A0404	22MQ1A0450	17
28	Mrs.B.Sujatha	III	22MQ1A0451	22MQ1A0468	17
29	Mr.D.Sridhar	III	22MQ1A0469	22MQ1A0485	17
30	Mrs.K.Mounika	III	22MQ1A0486 & 23MQ5A0401	23MQ5A0417	17
31	Mrs.K.Sowmya Sree	III	23MQ5A0418	23MQ5A0434	17
32	Mrs.J.N Sri Lakshmi	IV	21MQ1A0404 & 21MQ1A0419	21MQ1A0418 & 21MQ1A0429	19
33	Mohammed Ahmed	II	22MQ1A0501	22MQ1A0518	18
34	A.Annapurna	II	22MQ1A0519	22MQ1A0536	18
35	D.Aruna	II	22MQ1A0537	22MQ1A0555	19
36	R.Venkateswara Rao	II	22MQ1A05H1	22MQ1A05H5&23MQ5A0501to 508	13
37	A.Pavan Kumar	II	22MQ1A0556	22MQ1A0574	18
38	Ch .Prabhavathi	II	22MQ1A0575	22MQ1A0592	18
39	M.Madhusudhana Rao	II	22MQ1A0593	22MQ1A05B1	18
40	M.Naresh Babu	II	22MQ1A05B2,5B3	23MQ5A0509to 516	10
41	N.Anil Kumar	II	22MQ1A05B4	22MQ1A05D1	18

42	G.Nancharaiah	II	22MQ1A05D2	22MQ1A05F0	18
43	Ch Mary	II	22MQ1A05F1	22MQ1A05G8	18
44	Md.Ameer Raza	II	22MQ1A05G9	22MQ1A05H7&23MQ5A0517-524	12
45	V.M.R.Krishna Rao	III	21MQ1A0501	21MQ1A0518	18
46	K.Chiranjeevi	III	21MQ1A0519	21MQ1A0536	18
47	V.Ganesh Dutt	III	21MQ1A0537	21MQ1A0554	18
48	K.Divya	III	21MQ1A0555	21MQ1A0567	18
49	M.Naga Vamsi	III	21MQ1A0568	21MQ1A0585	18
50	Sheik Ahmed Mohiddin	III	21MQ1A0586	21MQ1A05A3	18
51	Ch.Swathi	III	21MQ1A05A4	21MQ1A05C0	17
52	MD.Shamsheer	III	22MQ5A0501	22MQ5A0520	20
53	P.Ashok Kumar	IV	20MQ1A0501	20MQ1A0514	14
54	B.Indra Devi	IV	20MQ1A0515	20MQ1A0528	14
55	K.Venkateswara Rao	IV	20MQ1A0529	20MQ1A0547	14
56	Ch.Siva Ramamohan Rao	IV	20MQ1A0548	20MQ1A0554, 21MQ5A0501-510 & 20JM1A0503	18
57	T.Veena	IV	20MQ1A0555	20MQ1A0568	14
58	M.Prasanthi	IV	20MQ1A0569	20MQ1A0582	14
59	V.P.S.Vinaya Kumar	IV	20MQ1A0583	20MQ1A05A0	14
60	K.Anusha	IV	20MQ1A05A1	20MQ1A05A7&21MQ5A0511-521	14
61	P.Rambabu	I	23MQ1A0101	23MQ1A0103	20
			23MQ1A0401	23MQ1A0417	
62	Dr G Tejaswi	I	23MQ1A0418	23MQ1A0437	20
63	Dr.R. Ravi	I	23MQ1A0438	23MQ1A0457	20
64	P.Purnima	I	23MQ1A0458	23MQ1A0474	20
65	Y.V.R.D.N.Sarath Babu	I	23MQ1A0475	23MQ1A0494	20
66	K V V N Bhaskar	I	23MQ1A0495	23MQ1A04A9	15
67	B.Srinivasarao	I	23MQ1A04B0	23MQ1A04C4	15
68	G.Manasa	I	23MQ1A0501	23MQ1A0520	20
69	K.Murali Mohan	I	23MQ1A0521	23MQ1A0540	20
70	Dr.Ch.Sesha Sailaja	I	23MQ1A0541	23MQ1A0560	20
71	K. Ravi	I	23MQ1A0561	23MQ1A0580	20
72	M.L.L.Phanikanth	I	23MQ1A0581	23MQ1A05A0	20
73	SK.Hidayatullah	I	23MQ1A05A1	23MQ1A05C0	20
74	N.H.N.Bhavani	I	23MQ1A05C1	23MQ1A05E0	20
75	B.Tandava Krishna	I	23MQ1A05E1	23MQ1A05G0	20
76	D.Lakshmi	I	23MQ1A05G1	23MQ1A05I0	20
77	Sajida Sultana Shaik	I	23MQ1A05I1	23MQ1A05K0	20
78	N.Vinay Kumar	I	23MQ1A05K1	23MQ1A05M0	20
79	V.Tejaswi	I	23MQ1A05M1	23MQ1A05O0	20
80	V. Sai Mounika	I	23MQ1A05O1	23MQ1A05P9	20
81	K. Nagamani	I	23MQ1A4201	23MQ1A4220	20
82	Dr. Ch.Sri Santhi	I	23MQ1A4221	23MQ1A4240	20
83	Dr.A.V.Raghuram	I	23MQ1A4241	23MQ1A4255	15
84	D.Supriya	I	23MQ1A4256	23MQ1A4266	11
85	P. Srikanth	II	22MQ1A4201 To	22MQ1A4220	20
86	K.V.V.N. Bhaskar	II	22MQ1A4221 To	22MQ1A4240	20
87	P Hemanth Kumar	II	22MQ1A4241 To	22MQ1A4254 & 23MQ5A4201, 02	16
88	G. Tejaswi	III	21MQ1A4201 To	21MQ1A4220	20
89	Ch. Gri Phani Kumar	III	21MQ1A4221 To	21MQ1A4240	20

90	K.Keerthi	III	21MQ1A4241 To	21MQ1A4259	20
91	P. Vijaya Kanth	IV	20MQ1A4201 To	20MQ1A4220	20
92	T R N Aravind	IV	20MQ1A4221 To	20MQ1A4240	20
93	N V Bodhan Kumar	IV	20MQ1A4241 To	20MQ1A4260	20
94	M Sruthi Madhuri	III,IV	22MQ5A4202	21MQ5A4201 To 4206	11
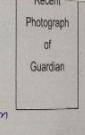
Mentor's Roles and Responsibilities:

1. Mentors serve as positive role models, encouraging and motivating students to achieve their target or goal.
2. Motivateandguidethestudentsinallacademic,co-curricular,andextra-curricular activities.
3. Mentors maintain records of mentees.
4. Collectinformationregardingweakstudentsfromthesubjectteachersonthebasisoftheir previous results, various other skills, having less attentiveness, etc.
5. The record of counseling and mentoring is maintained in a file or book, which is updated on a regular basis.
6. Mentors submit a report to the HOD, and after approval by the Principal remedial actions are sought for improvement.
7. Monitors the students "readiness for a personal interview , group discussion ,technical and non- technical support (including resume making, dressing sense, skills, etc.)
8. Encourages and motivates the students to attend all the classes,expert lectures,and other technical sessions for better performance in examinations, contests, and placement.

Mentoring Process

- Students are assigned to a counselor or mentor whose role is to be a point of contact for advice and guidance.
- Mentors will listen, advise, and refer mentees to higher authorities if necessary.
- It provides reflection and support for the students" academic development while they are doing their course. It promotes other activities and experiments related to the career and personal development of students.
- Provides guidance on career development.
- Helps the students to settle down in their respective courses.
- Students requiring additional help are identified, and their progress is monitored regularly.
- In the mentoring system, a proctor diary is maintained for each student, where the following details are provided:
- Personal Information
- Previous Record
- Academic Performance in Competitive Examinations
- Details of Internship and Industrial Training Scholarships Received
- Co-curricular and extra-curricular activities
- The mentors meet the students periodically and monitor their performance and activities.Guidance regarding the lagging issues is provided.Occasionally,a proctor meeting is conducted with the parents based on the requirement.

Figure 9.1.2: Sample Mentoring Process of a student

Impact of the Mentor Teaching-Learning System

- Reduction in absenteeism.
- Improvement in overall performance.
- Improvement in personality.
- Increased participation in co-curricular activities.
- Improvement in behavior and attitudes
- Improved interpersonal relationships with elders and peers.
- Becoming a responsible citizen
- Improvement in the performance of weak students.
- Increased campus selection ratio.
- Receiving awards and recognition

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

Total Marks 10.00

Institute Marks : 10.00

A. Methodology being followed for analysis of feedback and its effectiveness (5)

B. Record of corrective measures taken (5)

Feedback analysis and reward or corrective measures taken ,if any

- Feedback was collected for all courses: YES

- Feedback collection process: Online-ECAP (Engineering College Automation Package) software.

- Eligibility of the percentage of students to give feedback: 100%

Introduction

The teaching-learning system followed by any educational institution needs continuous refinement. To facilitate this process of continuous refinement, the institution has adopted a feedback system that takes suggestions from students in each program. This eventually helps to fine-tune the teaching-learning process and the curriculum. The institution follows a well-defined and formal Feedback system. The feedback system has been identified as one of the important processes in our quality management system.

Specify the feedback collection process.

- Collecting feedback for all the courses/faculty that are being taught, twice in a semester through the ECAP software.

- The students "feedback collection process is described in the flow chart in the figure 9.2.1.

- Once the feedback collection process is completed ,the reports are generated automatically.

- The consolidated report containing feedback percentage for each faculty is sent to the respective heads of the departments, and the information is circulated to the faculty of the department for necessary action.

Process Steps for Students Feedback

Step 1:Enter the E-Cap URL:http://103.208.229.211/newecap/Default.aspx

Step 2: Login with your ID and password.

Step 3: Click on Academics.

Step 4: Select the feedback system option.

Step 5: Select the staff feedback system option.

Step 6: After selecting the staff feedback, select any one of the levels corresponding to each parameter for particular subjects.

Step7: RepeatStep6for all current semester courses.

Step8: After the completion of all current semester courses, save the details.

Step 9: Logout.
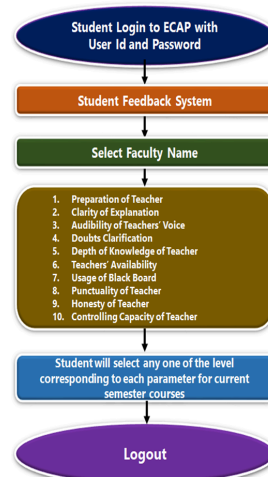
Figure 9.2.1: A Flow Chart for Student Feedback Processing Steps in ECAP (Online)

Figure 9.2.2: Format of Student Feedback on Faculty

Specify the feedback analysis process.

- The feedback analysis is done manually.
- The feedback collected from students is first analyzed at the level of the HOD and then at the level of the principal.
- The contents of the feedback will be shared personally with each faculty member based on the parameters in the questionnaire and their metrics of measurement in the given format.
- Based on the separate parameters, the feedback given by the faculty is taken from the students and the average is calculated.
- The faculty member who gets less than 75% average in the feedback is identified by the HoD, and he or she will be asked to submit an explanation to him.

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Dt. 521369
Tel : 08672 241387

STUDENT FEEDBACK

Faculty	: DASU KIRAN BABU
Subject	: Material Science&Metallurgy (B.Tech, 2/4 Semester-II, MECHANICAL Sec-A)
Academic Year	: 2023 - 2024
Phase	: FeedBack-I

Sl.No	Question	Excellent	Good	Average	Poor	Q.Wise Total	Q.Wise %
1	Does the teacher come prepared on lessons?	7	1	0	0	31	97.00
2	Does the teacher present the lessons clearly and orderly?	7	1	0	0	31	97.00
3	Does the teacher speak with the voice clarity and effective body language?	6	2	0	0	30	94.00
4	Is the teacher is capable of keeping the class under discipline and control?	7	1	0	0	31	97.00
5	Does the teacher command students attention and give response to students doubts and questions?	8	0	0	0	32	100.00
6	Does the teacher possess depth of knowledge in subject?	7	1	0	0	31	97.00
7	Does the teacher show readiness to give assignments to improve the studies?	7	1	0	0	31	97.00
8	Is the teacher available outside class hours to clarify doubts if requested to by students?	8	0	0	0	32	100.00
9	Does the teacher help the students to clear the doubts and guide them for the successful completion of the practical program?	8	0	0	0	32	100.00
10	Does the teacher use the black board effectively?	8	0	0	0	32	100.00
11	Is the teacher regular and punctual?	7	1	0	0	31	97.00
12	Does the teacher come with neat dress and posture?	8	0	0	0	32	100.00
13	Does the teacher insist on keeping the records up to date and neat?	8	0	0	0	32	100.00
14	Does the teacher take interest in maintaining discipline anywhere in the college premises?	7	1	0	0	31	97.00
15	Does the teacher remind you about your responsibility to the institution?	8	0	0	0	32	100.00
16	Do you find the teacher unbiased and open mined in judgement?	8	0	0	0	32	100.00
17	Do you find the teacher patient and considerate?	7	1	0	0	31	97.00
18	Do you find the teacher impartial and honest in paper valuation and personal remark making?	7	1	0	0	31	97.00
19	Do you find the teacher inspiring in the class as well as outside?	6	2	0	0	30	94.00
20	Do you find in the teacher, a true friendly support with elderly affection?	7	1	0	0	31	97.00
	Total	146	14	0	0		
	Total Points	**584**	**42**	**0**	**0**	**626**	**98.00**

No.Of Students Posted	8
Total Percentage Awarded to The Faculty	98.00
Grade of Faculty	Excellent

- NO
- GOOD
- NO REMARKS
- NO REMARKS
- NO
- NO REMARKS
- NO
- no

*Excellent (4) : >=90 %   *Good (3) : >=75 & <90%
*Average (2) : >=60 & <75 % *Poor (1) : Below 60 %
Formula: Total Obtained Points/(Max Points(i.Excellent-4) *
No.Of.Students * NoOfQuestions)

S. No	Name of the Faculty	Designation	Sem-1 Phase(1)	Sem-1 Phase(2)	Sem-2 Phase(1)	Sem-1	Sem-2	A.Y. Final Feed back
1	Dr.D.Raja Ramesh	Professor	96	100	99	98	99	98.5
2	Mr.K.Sukumar	Assistant Professor	75	77	77	76	77	76.5
3	Mr.Ch.Anusha	Assistant Professor	77	75	73	76	73	74.5
4	Mr.D.Khyathimai	Assistant Professor	69	72	76	72	76	74
5	Mr.D.Kiran Babu	Assistant Professor	96	100	98	98	98	98
6	Mr.V.Ravi	Assistant Professor	86	72	79	76	79	77.5
7	Mr.T.Durga Prasad	Assistant Professor	97	99	98	97	98	97.5
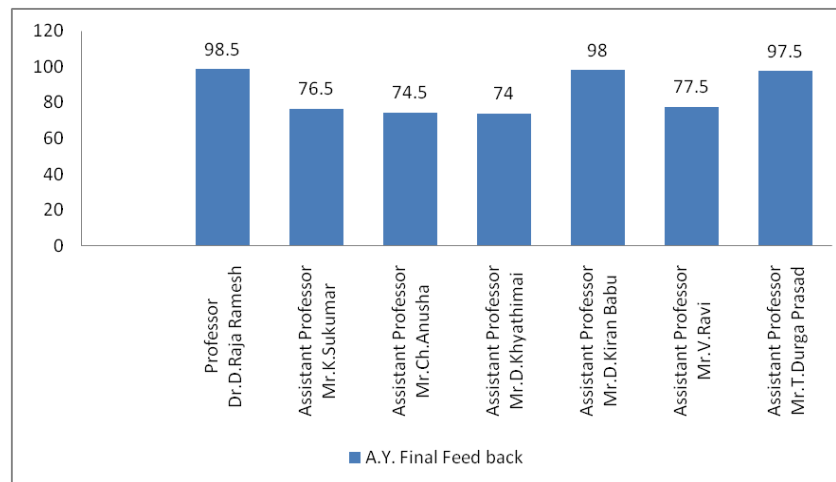
Figure 9.2.4: Faculty Feedback analysis for the academic year 2023-24

Feedback on faculty analysis and action taken for the Academic Year 2023-24

Table 9.2.1: Feedback on faculty analysis and action taken for the Academic Year2023-24

S.No	Feedback	Name of the staff member	Action taken
1	Performance below par	Mr. Ch. Anusha	Motivated to undergo NPTEL courses And suggested to attend FDPs also
2	Performance below par	Mr. D. Khyathimai	Motivated to undergo NPTEL courses And suggested to attend FDPs also
3	Best Performance	Dr. D.Raja Ramesh	Provided with Appreciation certificate And Recommended for Incentive
4	Best Performance	Mr. K.Sukumar	Provided with Appreciation certificate And Recommended for Incentive

Table 9.2.2: Corrective measures for the assessment period

No of faculty members counseled for below average performance	No. of corrective actions in last 3 years		
	2022-23	2023-24	2024-25
	4	2	3

Basis of Reward

- The feedback system works as an eye-opener for the faculty members.

- The increments and promotions are given based on a scale of 4 for student feedback in the faculty appraisal form.

- Those with low scores will be counseled and asked to improve their performance in the subsequent semesters by taking help from senior and experienced teachers or attending pedagogical training or other faculty development programs as per necessity.

- The faculty members are constantly motivated by giving a word of appreciation in the departmental meetings.

Corrective Measures

1. Normally, the feedback of the students is used to improve the performance of the faculty members.

2. Regular training programmers' in collaboration with NITTTR and FDPs by experts from industry and academia are organized every year to train the faculty members in teaching methodologies and e teaching-learning process.

3. Apart from this, the faculty members are encouraged to attend various faculty development programmes (FDPs) seminars and workshops to hone their skills.

4. If needed, explanation from the faculty will be demanded for any inappropriate result, and subsequent action will be taken to improve the performance of the faculty member.

5. Counseling will be given to the faculty concerned by the HOD and principal whenever required.
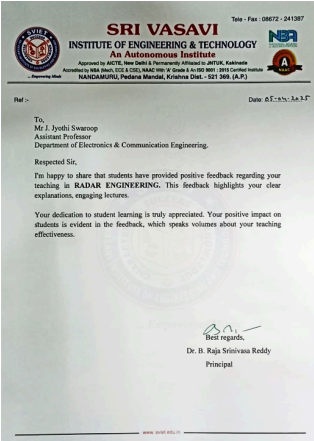
Fig 9.2.5: Sample for Appreciation & Corrective Measures.

9.3 Feedback on facilities (5)   Total Marks 5.00

Institute Marks : 5.00

A. Feedback collection, analysis and corrective action (5)

Feedback on facilities

- The aim of the college is to provide the best facilities for the students.
- Student's feedback on facilities is collected from the students through online.
- Feedback is collected from all the student twice in an academic year.
- The students do not disclose their identities while giving feedback.

The feedback is collected in the following fields:

Infrastructure: classrooms, laboratories, and Internet facilities. In interactions with HoD and class teachers held three times a semester, students provide feedback on any issues related to classrooms, lab equipment, etc., which is passed on to the authorities concerned and rectified.

Library: Library committee meetings are held three times a semester, where faculty and students provide feedback on the adequacy of titles and volumes of books and e-learning facilities. Appropriate corrective actions are taken to rectify deficiencies whenever they are pointed out.

Housekeeping: Students and faculty provide feedback on various aspects of housekeeping at class committee meetings and other occasions like department meetings and HOD meetings, which is passed on to the maintenance department and problems are sorted out.

Transport: Any issues related to the adequacy and punctuality of buses that are brought forth by students or faculties are passed on to the transport department, and corrections are made.

Hostel: Hostel committee meetings are held at department level where hostellers raise problems, if any, related to hostels. Also, HoDs and teaching and non-teaching staff visit hostels on a daily basis and provide feedback on the food and other maintenance-related issues, if any. These are brought to the attention of the wardens and maintenance department and rectified immediately. Anti-ragging squads consisting of teaching staff visit all hostels every evening and interact with students to inform themselves of any issues. If any complaints are received, they are immediately addressed.

Others: Any grievances related to food, bank facilities, medical facilities, etc., when reported to the faculty, dean, or principal, is solved immediately. In addition, feedback is collected from students and alumni during alumni meetings and annual general body meetings on all the above areas. Feedback analysis is done, and corrective actions are taken. Feedback is collected from the parents during admissions to know their expectations. Feedback is also taken from the industry. Based on their feedback, bridge courses and value-added courses are arranged to bridge the gap between curriculum and industry. Also, MOUs are signed, and guest lectures, seminars, workshops, and industrial visits are arranged for the students.

From the collection of students" feedback, the following analysis is made, and necessary corrective and improvement actions are taken:Following is the process of providing feedback on facilities.

- Feedback Collection Process
- Feedback Analysis
- Corrective Measures

Feedback Collection Process

Steps in the online feedback collection process from students and faculty:

Step1: Google Forms Will be sent to the students WhatsApp   groups   .

Step 2: Responses will be collected

Step3: Analysis on the feedback will be done by the responses sheets.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EXIT STUDENT FEEDBACK AY: 2023-24

Student Name: Student Regd. No:
Academic Year: 2023-2024   Batch: 2020-2024
Email: Phone No:

NOTE: Please write appropriate levels 1, 2, 3 as defined below for each parameter:
The Score is on a 3-Points (1 to 3) scale... (Excellent-3, Good-2, Poor-1)

S.NO.	FEEDBACK ON FACILITIES	SCORE
1	Central Library Facilities	
2	Laboratories in Curriculum (Knowledge point of view and software point of view)	
3	Additional Laboratories & Project Lab status in the Department	
4	Common Computer Center / Internet facilities	
5	Available Software facilities in the Department	
6	Sports & Games facility	
7	Counseling / Mentoring Facilities	
8	T & P Facilities regarding training as well as recruitment process	
9	Canteen facilities	
10	Entrepreneurship cell-providing awareness programs and encouragement	
11	Hostel facility	
12	Transportation facility	
13	Self-Learning Facility such as NPTEL, e-Journals, JNTUH	
14	Student health care facilities in the campus	
15	Availability of First-Aid boxes in the Laboratories	
16	General maintenance of Class rooms	
17	Redressal of Grievances	
18	Recreational facilities	
19	Toilet facilities	
20	Overall rating on Infrastructure	
	FEEDBACK ON CURRICULUM	
21	Grade the way of defining course Objectives and outcomes of your overall program	
22	Academic Initiatives to bridge the gap between industry and academia	
23	Syllabus is need based	
24	Can you grade the content of syllabus given in each and every course	
25	Availability of number of the prescribed books in your central Library	
26	The course/syllabus has made me interested in the subject area	
27	The course/program of studies carries sufficient number of optional papers	
28	Innovative teaching methodologies to improve the competence	
29	Fulfilling expectations and need of industry	
30	Satisfaction of your expectation from the Department	

	FEEDBACK ON TEACHING-LEARNING-EVALUATION PROCESS	
31	Overall Academic Performance of students	
32	Learning interest generated by the teachers through innovative teaching methods	
33	Conducting of student seminars for improving confident levels	
34	Guidance given by the faculty on laboratories	
35	Arranging of Industrial Visits/field trips	
36	Allowing of students to do internships, workshops	
37	Quality of projects-Technology, Social Relevance and Industry based	
38	Department Association Activities	
39	Extracurricular activities	
40	Regular advancement of the department	
41	Student peer Learning opportunities	
42	Carrier guidance provided by the Faculty members	
43	Training courses beyond the University/autonomous syllabus-Soft skills/CRT/CRA	
44	Additional topics taught in the courses	
45	Additional experiments conducted in the Laboratories	
46	Fairness of Exam papers Evaluation by the University	
47	Fairness of Mid exam papers evaluation by the College	
48	Implementation of analysis of student feedbacks	
49	Syllabus and its relevance to meet the objectives	
50	Interest created on Annual Project Exhibition	
51	Technical student presentations done by the students in the Department	
52	Effectiveness of Remedial classes its results	
53	Syllabus creates interest to pursue higher studies in the particular subject	
	FEED BACK ON FACULTY, STAFF & ADMINISTRATION	
54	Sincerity/Commitment of the teachers in the Department	
55	The regularity of conducting of class work by the teachers	
56	Providing of Quality/Usefulness of supporting materials like student Lab manuals, Digital Notes, Video links etc.,	
57	Usefulness of parent-Teacher's meeting	
58	Supporting staff in laboratories and their guidance in practical classes	
59	Helpfulness of advises for advance studies given by Administration	
60	How accessible your administrators to solve your problems in the institute premises	

Any other comments/Suggestions:
1.
2.
3.
4.
5.

Date: Signature of the Student

EXIT STUDENT FEEDBACK AY: 2023-24

Email *

chhriveelahari2001@gmail.com

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Nandamuru, Pedana Mandal, Krishna Dist. – 521369
Department of Electronics & Communication Engineering
A.Y: 2023-24

Student Name *

Ch.Hari Prasad

Student Regd. No: *

20MQ1A0431

Email: *

chhriveelahari2001@gmail.com

Phone No: *

9346300952

FEEDBACK ON FACILITIES

NOTE: Please write appropriate level/1, 2, 3 as defined below for each parameter: The Score is on a 3-Points (1 to 3) scale... (Poor-1, Good-2, Excellent-3)

1. Central Library Facilities *

1	2	3
○	◉	○

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ALUMNI FEEDBACK AY:: 2023-2024
OBE, FACILITIES and CURRICULUM

Name of the Alumni:　　　　　　　　　Branch:
Year of graduation:　　　　　　　　　Phone no:
Organization name:　　　　　　　　　Designation /Occupation:
Email:　　　　　　　　　　　　　　　Joined year:

Dear Alumni,

We shall be thankful to and appreciate you if you can spare some of your valuable time to fill up this feedback form and give us your valuable suggestions for further improvement of the Institute. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of the Institute. Hence your feedback on Institute will help us to improve our approach in Academics.

The rating is on a 3-Points (1 to 3) scale... (Excellent-3, Good-2, Poor-1)

S.No.	FACILITIES	Score
1	How teaching and mentoring process in the college facilitated to you for your overall development.	
2	How our college Infrastructure & Lab facilities helped you to enhance your knowledge	
3	Usage of teaching aids and ICT in the class by faculty to facilitate teaching.	
4	Facilities regarding sports and games	
5	How can you grade your Training & Placement activities	
6	Availability of reading material (Library/Internet/Others)	
7	The college provides adequate opportunities and support to the students for upgrading. Their skills and knowledge.	
8	Grade your Hostel & Canteen Facilities	
9	Grade your Co-curricular and Extracurricular Activities	
10	How college provides multiple opportunities to learn and grow.	
	CURRICULUM DESIGN & DEVELOPMENT	
11	Grade your Curriculum and Syllabi of the Courses	
12	Is it College taken efforts to engage students in monitoring, reviewing and improving quality of Teaching – Learning Process?	
13	How teachers are informing expected competencies, course outcomes and program outcomes	
14	Timely announcement of examination results	
15	Opportunities for out of classroom learning (guest lectures, seminars, workshop, value added programs, conferences, competitions)	

Any Other suggestion:

S.No.	PROGRAM OUTCOMES	Score
1	The study of basic sciences and core engineering helped you in analyzing the problems at your workplace?	
2	How you are grading to identify and define the computing requirements for a given problem which are appropriate to its solution	
3	How are you capable to develop algorithms, and/or techniques that contribute to the software solution?	
4	How college provides opportunity in the decision-making process of your project	
5	Type of modern tools used in your project	
6	Grade the impact of your final year project on society	
7	Capability of a student to implement global, security and safety issues at your career	
8	In what way are you collaborating with your team members to deliver the task at your workplace	
9	Roll of yours working with multidisciplinary teams	
10	How are you supporting your team on design and present documents using the presentation tools	
11	How capable you are to exceed the timelines allocated for the work	
12	Grade your interest to pursue any higher education/undertaken certification/short-term courses for furtherance of your professional career?	
	PROGRAM SPECIFIC OUTCOMES	
13	Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing	
14	Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.	
15	Able to identify problems in the society and solve by designing projects.	
16	Able to improve personality development life skills and make them to be industry ready	

Any Other suggestions:

Signature of the Alumni

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ALUMNI FEEDBACK AY:: 2023-2024
OBE, FACILITIES and CURRICULUM

Name of the Alumni: Chavva Sidharda Gopi   Branch: ECE
Year of graduation: 2022   Phone no: 6304237478
Organization name: Designation /Occupation: Coaching
Email: Sidharth chillimunta 218 @gmail.com   Joined year: 2019

Dear Alumni,
    We shall be thankful to and appreciate you if you can spare some of your valuable time to fill up this feedback form and give us your valuable suggestions for further improvement of the Institute. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of the Institute. Hence your feedback on Institute will help us to improve our approach in Academics.
    The rating is on a 3-Points (1 to 3) scale... (Excellent-3, Good-2, Poor-1)

S.No.	FACILITIES	Score
1	How teaching and mentoring process in the college facilitated to you for your overall development.	3
2	How our college Infrastructure & Lab facilities helped you to enhance your knowledge	3
3	Usage of teaching aids and ICT in the class by faculty to facilitate teaching.	3
4	Facilities regarding sports and games	3
5	How can you grade your Training & Placement activities	3
6	Availability of reading material (Library/Internet/Others)	3
7	The college provides adequate opportunities and support to the students for upgrading. Their skills and knowledge.	3
8	Grade your Hostel & Canteen Facilities	3
9	Grade your Co-curricular and Extracurricular Activities	3
10	How college provides multiple opportunities to learn and grow.	3
	CURRICULUM DESIGN & DEVELOPMENT	
11	Grade your Curriculum and Syllabi of the Courses	3
12	Is it College takes efforts to engage students in monitoring, reviewing and improving quality of Teaching – Learning Process?	3
13	How teachers are informing expected competencies, course outcomes and program outcomes	3
14	Timely announcement of examination results	3
15	Opportunities for out of classroom learning (guest lectures, seminars, workshop, value added programs, conferences, competitions)	3

Any Other suggestions:

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PARENTS FEEDBACKFORM AY:: 2023-2024

Department Name: Date of Feedback:

Parent Name: Student Roll No:

Designation /Occupation: Class of Study:

Email: Year of Study:

Phone no: AY/Semester:

Score Scale: 3- Excellent; 2- Satisfactory; 1- Poor

I Curriculum:

S.No	Parameter	Score
1	How do you rate the programme that your ward is undergoing in terms of the load of the courses in different semesters?	
2	How do you rate the quality and relevance of the courses included into the curriculum?	
3	How do you rate the treatment of the students by the faculty irrespective of the background of the student in teaching and evaluation?	
4	How do you rate the ambience of the department for effective delivery of the academic process?	
5	How do you rate the courses in terms of their relevance to the latest and/or future technologies?	
6	How do you rate the programmes based on the comfort of your ward in coping with the workload?	
7	How do you rate the quality of the teaching in the Institution?	
8	How do you rate the outcomes that your ward has achieved from the courses?	
9	How do you rate the transparency of the evaluation system in the College?	
10	How do you rate the department activities that help your ward in getting jobs and placements?	
11	How accessible are the faculty to your concerns/suggestions?	
12	How do you rate the transformation of your ward after the completion of the course?	
13	How do you rate the scholarship/concessions/awards given to your ward by the college and department?	
14	Additional Information/Suggestions, if any:	

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PARENTS FEEDBACKFORM AY:: 2023-2024

Department Name: ECE   Date of Feedback:

Parent Name: M. Nagalakshmi   Student Roll No: 21M01A0453

Designation /Occupation: Homemaker   Class of Study:

Email: sethalaisvijali@gmail.com   Year of Study: III

Phone no: 8096678604   AY/Semester: II

Score Scale: 3- Excellent; 2- Satisfactory; 1- Poor

I Curriculum:

S.No	Parameter	Score
1	How do you rate the programme that your ward is undergoing in terms of the load of the courses in different semesters?	2
2	How do you rate the quality and relevance of the courses included into the curriculum?	3
3	How do you rate the treatment of the students by the faculty irrespective of the background of the student in teaching and evaluation?	3
4	How do you rate the ambience of the department for effective delivery of the academic process?	3
5	How do you rate the courses in terms of their relevance to the latest and/or future technologies?	3
6	How do you rate the programmes based on the comfort of your ward in coping with the workload?	2
7	How do you rate the quality of the teaching in the Institution?	2
8	How do you rate the outcomes that your ward has achieved from the courses?	2
9	How do you rate the transparency of the evaluation system in the College?	2
10	How do you rate the department activities that help your ward in getting jobs and placements?	3
11	How accessible are the faculty to your concerns/suggestions?	3
12	How do you rate the transformation of your ward after the completion of the course?	2
13	How do you rate the scholarship/concessions/awards given to your ward by the college and department?	3
14	Additional Information/Suggestions, if any: NO	

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty Survey Form AY:: 2023-2024

Name :   Designation:

Year of service: Courses taught in this college:

This questionnaire is intended to collect information relating to your satisfaction towards the Administration, Curriculum, and facilities. The information provided by you will be kept confidential and will only be used for internal quality improvement and development of the programme. The following rubric will be considered for evaluation.

Score scale: 3 – Excellent; 2- Satisfactory; 1- Poor

S.No	Parameters	Score
I	**Administration**	
1	Faculty are encouraged for research activities and financial assistance	
2	Salary and other financial incentives are timely provided	
3	Management takes care of the welfare measures	
4	Faculty are encouraged to organise/attend various FDPs, conferences and seminars	
5	Management is supportive towards quality teaching, innovation & incubation	
II	**Curriculum**	
6	How do you rate the quality and relevance of the courses included into the curriculum	
7	Are you involved in framing syllabus in the area of your expertise	
8	How do you rate the courses in terms of their relevance to the latest and/or the future technologies	
9	Is the course curriculum helping your students in getting internships and placements	
10	The course content is organized in a logical sequence	
III	**Facilities**	
11	House keeping, water and sanitation facilities are up to the mark	
12	Photocopy/Printing/stationery facilities are available to the staff in the campus	
13	Proper first-aid and other emergency services are available in the campus	
14	Good Canteen facility is available in the campus	
15	Regular power supply/backup facilities are available in the campus	
16	Recreation facility like sports & games, etc available for staff in the	

Figure 9.3.1: Samples of feedback Collection Process from Students, Faculty & Parent

Table 9.3.2: Feedback on facilities analysis and action taken for the Academic Year2023-24

S.N0	Feedback	Action taken
1	Monitoring system facility in the campus	As per the student feedback, the committee installed more no. of CC Cameras at the respective places and took Necessary steps in monitoring them periodically.
2	Library facilities	The committee advised to allocate library hours in the time table for the students and take steps for functioning of the library beyond college hours. Also remote learning access is Provided to Knimbus, Delnet and e-cap soft wares.

Step-by-step feedback collection process from industry Personnel, Alumni, or Parents:

1. Step 1: The coordinator will give feedback forms to industry persons, alumni, or parents at the time of the vis it (advisorycommitteemeetings,guest lectures, collection fcertificates,andalumni meets).
   Step2: Feedback on facilities filled by the stakeholders for all facilities by using one of the levels

   Step3:After completion of the form, the coordinator will collect the data for analysis.

2. Feedback Analysis

   The collected feedback is scrutinized by a committee with representation from each department. The details of the obtained feedback are thoroughly analysed by a group of committee members. The committee takes appropriate decisions.

3. Corrective Measures

- All washrooms are renovated.

- Additional blocks were constructed for the girls hostel.

- Anew shed has been provided in the parking area.

- Additional buses are provided on new routes.

- CC cameras are provided in all corridors and through out the entire campus for the girl safety and security.

- The necessary corrective measures are implemented after discussion with the management. A review is conducted by the principal to check on the corrective measures taken and whether they need to be continued.

Sample Feedback on facilities and action taken report

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
An Autonomous Institute
(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada)
Accredited by NBA (Mech, ECE & CSE) & NAAC with 'A' Grade
Nandamuru, Pedana Mandal, Krishna Dist – 521369.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Feed Back on Facilities and Action Taken Report

ACADEMIC YEAR:2023-24 SEM II

S.No	Feedback Parameter	Action Taken
1	Mineral water facility in the campus	The committee focused on improving the quantity and quality of mineral water facility in the campus
2	Transportation Facilities	The committee proposed the management on Improving the bus facilities for the students to reach campus in-time and increased more so. of stops
3	Computer Facilities	The committee took necessary steps in increasing more no. of systems with the support of the management

ACADEMIC YEAR 2023-24 SEM-I

S.No	Feedback Parameter	Action Taken
1	Lab Facilities	As per the student feedback, the committee took necessary steps in increasing no.of components in the lab and utilizing lab facilities beyond working hours
2	Canteen Facilities	The committee took necessary steps in improving the quality and quantity of the food.
3	Games/Sports/Yoga/NSS/NCC facility	The concerned committee focused on motivating and encouraging students to allocate more no.of hours for participation in Games,NSS etc

Figure 9.3.3: Feedback and action taken report for the academic year 2023– 24

9.4 Self-Learning (5)　　　　　　　　　　　　　　　　　　　　　　　　　Total Marks 5.00

Institute Marks : 5.00

9.4. Self Learning(5)

Central Library Advisory Committee

- To review the function in go the library with regards to its support for the academic programmes of the institute.
- To emulate an action plan for the development of library infrastructure, facilities, products, and services
- To evaluate the suggestions made by the library users and to advise the management on matters of policy relating to the development of libraries
- To enhance and support there search activity of the institution
- To look into the day-to-day problems of the library client, library staff
- To maintain liaison between the Central Library and various academic departments for the procurement of books and journals.
- Students are encouraged and guided to enroll in NPTEL

Table 9.4.1:Members of Library Advisory Committee

S.No	Name of the Member	Designation
1	Mrs M.Prasanthi,Asst.Prof. of CSE	Coordinator
2	MrP.VenkateswaraRao (Librarian)	Member
3	Ms.B.Mounika, Asst.Prof of S & H	Member
4	Mrs.K.LakshmiPriya, Asst.Prof of Mech	Member
5	Mrs.J.S.Deepika, Asst.Prof of ECE	Member
6	Mr.N.Vinay Kumar, Asst.Prof of Civil	Member

S.No	Name of the Student	Roll No.	Designation
1	Borra Mary	24MQ1A0102	Student Member
2	K.Leela Kumari	24MQ1A0106	Student Member
3	ParasaVenkatesh	24MQ1A0301	Student Member
4	B.Tulasi Ram	24MQ1A0405	Student Member
5	Chakka Raajitha	24MQ1A0411	Student Member
6	Guraja Baby Saroja	24MQ1A0476	Student Member
7	V.Jyothi Kumar	24MQ1A04B1	Student Member
8	Munshi Sara Bai	24MQ1A0540	Student Member
9	P. Lakshmi Sri Durga	24MQ1A0597	Student Member
10	PenneruDhanush	24MQ1A05A0	Student Member
11	P.Bhagyasri	24MQ1A05E7	Student Member
12	V.Y.Lakshmi Prasanna	24MQ1A05G7	Student Member
13	Channam RakeshBabu	24MQ1A05I1	Student Member
14	Pamu Nishi	24MQ1A05K7	Student Member
15	Ede Devi Pujitha	24MQ1A4213	Student Member
16	P.Pavan Kumar	24MQ1A4239	Student Member
17	Kate Sudeepthi	24MQ5A0108	Student Member
18	Mohammad Rasheed	24MQ5A0112	Student Member

S.No	Name of the Student	Roll No.	Designation
19	AmbatiUmesh	23MQ1A0303	Student Member
20	BonuYoginaidu	24MQ5A0307	Student Member
21	Lingampalli Naga Divya	23MQ1A0426	Student Member
22	Putta Charan Sree	23MQ1A0443	Student Member
23	KesanaGiridhar	23MQ1A0483	Student Member
24	Mucherla Bhavya	23MQ1A0491	Student Member
25	C.L.S.Prasanna	23MQ1A0511	Student Member
26	K.Prasanna Kumar	23MQ1A0524	Student Member
27	K.Nuthana	23MQ1A0584	Student Member
28	K.Syam kumar	24MQ5A0508	Student Member
29	C.Vamsi Krishna	23MQ1A05E0	Student Member
30	Pamrthi Samrajyam	23MQ1A05H6	Student Member
31	Somarouthu Tejasri	23MQ1A05O1	Student Member
32	M.Ganesh	23MQ1A05M5	Student Member
33	Alapati Chanukya	23MQ1A4204	Student Member
34	Kona Sathvika	23MQ1A4228	Student Member
35	MaddalaKeerthana	23MQ5A0101	Student Member
36	Purilla Sai Kumar	23MQ5A0106	Student Member
37	Chandana Kiran Babu	23MQ5A0302	Student Member
38	Matta Ravi Bhargav	23MQ5A0305	Student Member
39	Somisetti Naga Navya Sri	22MQ1A0441	Student Member
40	Dasari Narendra Sai Kumar	23MQ5A0403	Student Member
41	K.S.NagaVenkataSukanya	23MQ5A0412	Student Member
42	Nagisetti Aakash Babu	22MQ1A0476	Student Member
43	K.Durga Lakshmi	22MQ1A0524	Student Member
44	G.Sai Chandu	22MQ1A0513	Student Member
45	M.R.N.D. Sri Sai Kumar	22MQ1A0585	Student Member
46	Ch. Rupasree Tejaswini	22MQ1A0597	Student Member
47	Ande Lokesh	22MQ1A05C0	Student Member
48	J.N.Lalitha Pravallika	22MQ1A05D2	Student Member
49	Chinni Baladitya	22MQ1A4208	Student Member
50	R.L.V.N.Sailavanya	22MQ1A4244	Student Member
51	J.Mahesh	21MQ1A0102	Student Member
52	P.Naga Prathap	21MQ1A0104	Student Member

S.No	Name of the Student	Roll No.	Designation
53	P.Sai Chandra	21MQ1A0301	Student Member
54	M.Gopi Chand	21MQ1A0303	Student Member
55	K.Hema Sri	21MQ1A4215	Student Member
56	R.Chaitanya	21MQ1A4251	Student Member
57	A.Pavani	21MQ1A0401	Student Member
58	J.Mahendra	21MQ1A0428	Student Member
59	K.Divya Sri	21MQ1A0450	Student Member
60	P.Nitish	21MQ1A0481	Student Member
61	M.Anjali	21MQ1A0514	Student Member
62	D.Jayanandh	21MQ1A0543	Student Member
63	P.Bhavana	21MQ1A0586	Student Member
64	C.Nagendra	21MQ1A0597	Student Member

Services Rended by the Committee:

- Circulation
- Reference services
- E-journals browsing
- Reprographic Services
- User Orientation
- Maintenance of News Papers
- Service Filling of Previous Year Question Papers
- Back Volumes

Library Facilities and Services

- SVIET Central Library automated using E-CAP: Engineering College automation package.
- Library created its resources database and provided Online Public Access Catalogue (OPAC) through which users can access from any of the computers connected in the campus LAN to know available resources and the status of the book https://103.208.229.211/newecap/default.aspx
- The library is a member of DELNET and provides web access to e- resources that includes journals, text books, thesis's/ dissertations
- Established the NPTEL Local Chapter in association with IIT Madras. Through this,
- NPTELhas been offering online certification for its courses, the highlight being the certification exam through which the student gets an opportunity to earn a certificate from the IITs.

  URL:https://nptel.ac.in/LocalChapter/college_homepage.php?collegeid=1380 (url:https://nptel.ac.in/LocalChapter/college_homepage.php?collegeid=1380)

- For effective utilization of resources, orientation programs are conducted to the library users based on the assessment level of skill of the users whenever needed.
- Newspapers of local and English languages are available in central library.

A. Scope for self-learning (2)

Facilities for Student Self-Learning

Table 9.4.2: Facilities for students in library

S. No.	Facility/Item	Description
1	Central Computer Centre	20 Computers with Internet and Intranet Facilities

Self-Learning Sources in Central & Department Library

Table 9.4.3 Self learning sources in library

1.	Library facility from 8AM to8PM
2.	Library Hour included inTime Table
3.	NPTELVideo Lectures– 24,707(4 TB)
4.	Volumes–22,370
5.	Titles-2985
6.	Net Browsing &Web Downloads
7.	Project works –826
8.	DELNET Resources, NDL &Knimbusm Library Portal
9.	Competitive Exams Preparation Aptitude & Reasoning Books,English Vocabulary & Grammar Books.

Program Wise Titles &Volumes

Table 9.4.4: Program wise books & journals information available in library

S.NO	BRANCH	BOOKS		JOURNAL		E- RESOURCES
		VOLUMES	TITLES	INTERNATIONAL	NATIONAL	
1	CIVIL	3104	378	03	02	
2	EEE	2291	331	02	02	
3	MECH	3166	437	04	03	
4	ECE	3754	515	06	06	
5	CSE	4435	607	06	04	DELNET, NDL, Knimbus mLibrary Portal & NPTEL
6	AIML	806	146	01	--	
7	S &H	4814	571	--	--	
	TOTAL	22370	2985	22	17	
1	SC & ST	1379	303			
2	Project Reports	826	826			
3	Back Volumes	1167	1167			
4	Comp. & Rare Books	182	94			

Figure 9.4.1:Library Occupancy chart

B. The institution needs to specify the facilities, materials for learning beyond syllabus, Webinars, Podcast, MOOCs etc. and demonstrate its effective utilization (3)

Web-based Learning Facilities:

- The institute has created central internet facility 100Mbps speed leased line and 20 computer terminals facility to promote and motivate students to self -learning.
- The Internet is an open information system in which various sources of information, media and materials such as texts, images, video sequences can be linked together in diverse ways to form so-called self-learning environments.
- Internet offers new possibilities to structure, represent, adapt and integrate various learning content and materials. Furthermore, due to its interactivity, learners can process thematerial in accordance with their individual preferences and strategies at anytime and from any place provided an internet connection is available.
- Faculty members suggest different sources for each subject.
- Faculty members prepare their course files and place them in college website.

Learning with Multimedia Facilities
- Availability of course material on intra-net
- Digital library facility
- Language lab facility
- Availability of video lectures
- LCD projectors for presentation

NPTEL Local Chapter Statistics
- NPTEL (National Programme on Technology Enhanced Learning) provides E-learning through online Video and Web courses in Engineering, Sciences and Humanities streams.
- The objective is to enhance the learning component of all Engineering aspects including Electronics & Communication Engineering aspects of some of the current learning methods.
- Having access to 24,707 video courses of NPTEL – view, download and copy.
- Through local chapter NPTEL has initiated Open online courses that have certification as an option. 10hr, 20hr and 30hr courses are offered on the model of MOOCs on the online courses portal.
- The objective of enabling students to obtain certificates for courses is to make students employable in the industry or pursue a suitable higher education program.

SWAYAM/NPTEL – STUDENT CERTIFICATIONS

NPTEL E-Learning

NPTEL (National Programme on Technology Enhanced Learning) provides E-learning through online Video and Web courses in Engineering, Sciences and humanities streams.

Link to NPTEL official website: http://nptel.ac.in/ (http://nptel.ac.in/)

Table 9.4.5: Details of NPTEL E-Learning participation during assessment period

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Toper
Jul-Dec 2024	15	0	3	0	4	8	--
Jan-Apr 2024	16	0	5	0	9	2	--
Jul-Dec 2023	81	0	26	3	30	22	--
Jan-Apr 2023	121	0	11	2	45	63	2
Jul-Dec 2022	14	0	5	1	1	7	--
Jan-Apr 2022	134	0	19	2	44	69	--

Table 9.4.6: Program-wise number of NPTEL videos

1	Basic Sciences & Humanities	5656
2	Civil Engineering	3650
3	Electrical Engineering	2461
4	Mechanical Engineering	6617
5	Electronics and Communication Engineering	2538
6	Computer Science and Engineering	3785

Additional Information

e- RESOURCES:

DELNET: http://www.delnet.in

Username: apsviet

Password: sviet901

NATIONAL DIGITAL LIBRARY https://ndl.iitkgp.ac.in

Username: venku1507@gmail.com

Password: librariansviet

NPTEL: https://nptel.ac.in/LocalChapter/college_homepage.php?collegeid=1380

192.168.2.251

OPAC (Library Software Database): Intranet Link :http://117.239.54.69/ecap/default.aspx

Username: library

Password: 123456

SVIET College Website: https://sviet.edu.in/

Knimbus mLibrary Portal: www.knimbus.com

Username: user mail ID

Password: user@knimbus

E-BOOKS:

LIBRARY GENESIS : http://93.174.95.27/

FREE-EBOOKS : https://www.free-ebooks.net/ DIGILIBRARIES

          : https://digilibraries.com/ ARCHIVE

: https://archive.org/

GUTENBERG : https://www.gutenberg.org/

E-JOURNALS:

DIRECTORY OF OPEN ACCESS : https://doaj.org/

BENTHAM OPEN   : https://benthamopen.com/

WSPC   : https://www.worldscientific.com

DICTIONARIES: CAMBRIDGE ONLINE DICTIONARY: https://dictionary.cambridge.org/

DICTIONARY: https://www.merriam-webster.com/

Virtual Labs: **In collaboration with College of Engineering, Pune (CoEP),Sponsored by MHRD** https://www.vlab.co.in/

e-Yantra Lab: In collaboration with IIT- Bombay,Sponsored by MHRD

9.5 Career Guidance, Training, Placement (10)   Total Marks 10.00

Institute Marks : 10.00

A. Availability of career guidance facilities (2)

B. Counseling for higher studies (GATE/GRE, GMAT, etc.) (2)

C. Pre-placement training (3)

D. Placement process and support (3)

Career Guidance, Training and Placement Cell:

The standard of any educational institution is generally measured by its academic excellence and the success in placements. To be able to get placed in various companies, students are required to have a good grip and proficiency in Aptitude, Reasoning, Verbal and Communication Skills.

It is to meet this vital requirement and the competitive standard and achieve this target,

the Training placement & Career Guidance Cell was established with team of potential and Professional trainers in the areas of Aptitude, Reasoning, verbal and Soft Skills.

The prime objective of the Training and Placement Career Guidance Cell is to create premier opportunities for the SVIET students by promising jobs in reputed organizations. To accomplish this objective, the Placement Cell identifies corporate companies in various sectors and initiates the process of building a mutually rewarding relationship with them. The Placement Cell has been instrumental in associating itself with corporate giants to conduct various Industry Institute initiatives.

Various technical and literary events are conducted to practically enhance their communicative abilities and to equip them also with a holistic potential which will help them to face emerging challenges in the context of globalization. Over the time it has proved itself most successful with outstanding success in the ascendance of

success in placements.

1. FUNCTIONS OF THE TRAINING CELL:

1. Collects and maintains the students' database for the purpose of T&P activities

2. Enables the training need analysis for all the students basing on the same, plans for

Imparting the necessary skills such as soft skills and technical skills.

3. Arranges for an interaction with industry and bridges the gap between Institute and industry.

4. Arranges the special sessions for providing the contemporary trends and developments

in the technology and tools to the students

5. The Training Cell conducts lectures on personality development, communication skills

and conducts mock sessions for improving presentation skills.

6. Assists companies in the recruitment process by conducting interviews, group

7. Discussions, Written tests etc. in the Campus. Training given exclusively to the students

for the MNC's

PLACEMENT CELL:

8. Collects and maintains the students' database for the purpose of Placement activities

9. Holds the responsibility for identifying placement opportunities across reputed Organizations.

10. Inviting the corporate companies to the College Campus for recruitments

11. Coordinates with Training Head for identifying the training requirements related to Soft

and communication skills

12. Conducts Campus Drives with help of department coordinators and volunteers

CAREER GUIDANCE CELL:

13. To give training and guidance to students on career related matters and assist them

in exploring new opportunities.

14. To organize Career guidance and motivational lectures by Alumni, entrepreneurs,

External guests and faculty

15. To display various job advertisements coming in employment news, opportunities

and Career columns in leading news papers.

2. FACILITIES OF THE CELL

1. Seminar Hall (B1-114) with seating capacity of 200 to conduct Pre-placement Talk

2. Two notice boards are available on the both sides of the room for displaying circulars,

updating press clippings & year Planners etc.,

3. One room (B1-007) for training the Group Discussion Activities.

4. 2 LCD projectors for conducting digital classes

5. Motivational posters and images of famous quotes to encourage the students.

6. Integrated Labs with around 100 computers having robust Internet connection for

online tests

7. Vast space for offline tests

8. Separate rooms (B1-007) for conduction of Group Discussion and Personal Interview

9. Enthusiastic team of volunteers for assistance

3. MANAGEMENT OF THE CELL

A. COMMITTEE COMPOSITION

The composition of the committee comprises

1.One Training Head

2.Four Faculty members of T&P Cell

3 One faculty member and two students from Department of Mechanical Engineering.

4.One faculty member and two students from Department of Electronics and

Communications Engineering.

5.One faculty member and two students from Department of Civil Engineering.

6.One faculty member and two students from Department of Computer Science

Engineering.

7.One faculty member and two students from Department of Electrical and Electronics

Engineering

B. COMMITTEE MEMBERS

S.NO	NAME	DESIGNATION & DEPARTMENT	POSITION
1	D Adithya Kumar	Associate Professor, S & H	Coordinator
2	V.Bala Krishna	Assistant Professor-CIVIL	Faculty Member
3	D Kiran Babu	Assistant Professor-Mech	Faculty Member
4	G Karuna	Assistant Professor ECE	Faculty Member

5	LJN Sree Lakshmi	Assistant Professor-ECE	Faculty Member
6	Sk.Mohiddin Ahmed,	Assistant Professor-CSE	Faculty Member
7	K Divya	Assistant Professor-CSE	Faculty Member
8	I Prasanna	21MQ5A0103	Student Member
9	K Rushendra Kumar	22MQ5A0102	Student Member
10	Bezawada siva jyothsna	21MQ1A4203	Student Member
11	Rajulapati chaitanya	21MQ1A4251	Student Member
12	G.Mohitha	21MQ1A0570	Student Member
13	K.Karthik	21MQ1A0550	Student Member
14	Kruthiventi Sai Siva Abhigna	21MQ1A0550	Student Member
15	Pamarthi Venu Sai Ram	21MQ1A0478	Student Member
16	RATNALA HEMA SUNDAR SAI	22MQ1A4243	Student Member
17	KOLLIPARA HARIKA	22MQ1A4221	Student Member
18	BANDI HARSHA NAGA PRIYA	22MQ1A0502	Student Member
19	P KRISHNA CHAITANYA	22MQ1A05F3	Student Member
20	KATTULA VASU	23MQ5A0414	Student Member
21	BHOGADHI KAVITHA	22MQ1A0403	Student Member
22	EVANA GOPI VENKATA CHAND	23MQ5A0303	Student Member

4. ROLES & RESPONSIBILITIES OF COMMITTEE MEMBERS

A. COORDINATOR

1. To coordinate Training activities in accordance with the student's ability and their demands.

2. To coordinate internal resources available in the form of teaching expertise of teachers

for enhancing the knowledge and skills of the students in implementation of the scheme.

3. To coordinate various external resources available in the forms of personality development programs & Student Interactive Sessions.

4. To coordinate with company delegates and inviting them to College for recruiting

students.

5. To Schedule the Recruitment-drive based on HR Availability

6. To disclose the list of students eligible for the campus drive

7. To Coordinate during campus drive

8. To collect results from company and issuing the offer letters to the selected candidates

9. To coordinate internal resources available for the smooth conduction of the Recruitment Drive

10. To collect the feedback with Stake Holders and forward it to training department

11. To coordinate Career Guidance activities in accordance with the student's ability and their demands.

B. FACULTY MEMBER

1. To prepare orientation programme for the students, identifying their skills required for

achieving the objectives of the scheme.

2. To promote community education through meetings, talks, news bulletins and discussions.

3. To help in formulating Training programmes this will have direct relationship with the academic curriculum.

4. To inform the students about campus drive schedules.

5. To organize the campus drive with help of volunteers

6. To assist companies in the recruitment process in interviews, group Discussions, Written tests on the Campus.

C. STUDENT MEMBER

1. Understand the community in which they work

2. Understand themselves in relation to their community

3. Identify the needs and problems of the community and involve them in problem solving

4. Utilize their knowledge in finding practical solutions to individual and community problems

5. To inform the students about campus drive schedules

6. To inform the students about mandatory credentials as per the placement cell instruction

7. To check the process of student registrations for the drive and other miscellaneous formalities

Fig 9.5.1: Brochure of CRT Program 2023-24

Total Hours count of training for an year

Semester	Aptitude	Verbal	Technical	Soft skills
2-1	-	-	-	15
2-2	-	-	-	15
3-1	30	30	30	-
3-2	30	30	30	30
4-1	30	30	30	30
Total	90	90	90	90

TRAINING Programs (A.Y: 2021-2022)

S.NO	NAME OF THE ACTIVITY	DATE	Remarks
1	Training for Wipro Elite-2022	16-09-21 to 24-09-21	Training Conducted for Eligible Students
2	Training for TCS Ninja2022	19-08-2021 to 31-08-2021	Training Conducted for Eligible Students
3	Training for TCS Ninja2022	01-09-21 to 11-09-21	Training Conducted for Eligible Students
4	Technical Training - TCS Ninja2022	04-10-21 to 30-10-21	TR Mock Interviews Conducted for TCS NINJA-2022 I Round Selected Students
3	Training for Wipro Elite 2022 1st round (Mock Interviews) selected students	18-10-21 to 28-10-21	TR Mock Interviews Conducted for Wipro Elite-2022 I Round Selected Students
4	Training for Hex aware company	08-11-21 to 11-11-21	Training Conducted for Eligible Students
5	Technical Training - Hex aware 1st round (Mock Interviews) selected students	23-11-21 to 24-11-21	TR Mock Interviews Conducted for I Round Selected Students
6	Training for UTS company	20-12-2021 to 21-12-2021	Training Conducted for Eligible Students
7	Training for Siliconous company	23-02-2022	Training Conducted for Eligible Students

PLACEMENTS FOR AY 2021-2022

S.No	Company Name	CTC in Lakhs	Core/IT/ITES
1	AADHYANTH TEXTILES INDIA PRIVATE LIMITED	4 LPA	CORE
2	ALIEN INNOVATIONS PRIVATE LIMITED	4.2 LPA	IT
3	ATOS	3.4 LPA	IT
4	BHEEL	3.6 LPA	CORE
5	BITS TECHNOLOGIES	3LPA	CORE
6	CADMAXX	3.17	CORE
7	CAPGEMINI	4 LPA	IT
8	Criztone Technology Pvt. Ltd.	4 LPA	ITES
9	DELLIOTE	6 LPA	IT
10	DHL	4.5 LPA	IT
11	DIVIS LABORATORY	2.4 LPA	CORE
12	EFKON India Pvt. Ltd.	2.3 LPA	IT
13	Fox link india	3.6 LPA	IT
14	GENAMPLIFY SOLUTIONS HUB	3.6 LPA	IT
15	HARMAN	5 LPA	IT
16	HEXAWARE	4 LPA	IT

17	HYUNDAI MOTORS	7.3 LPA	CORE
18	IDS	2.2 LPA	IT
19	INFOSYS	3.6 LPA	IT
20	Intech Additive Solutions	2.5 LPA	IT
21	JMAN	3 LPA	IT
22	KIRBY BUILDING	2.5 LPA	CORE
23	Manjha Technologies Pvt. Ltd.	4 LPA	ITES
24	MATERNA IPS INDIA PRIVATE LIMITED	2.4 LPA	CORE
25	MEIL	2.4 LPA	CORE
26	MINDTREE	4 LPA	IT
27	Modernize Chip	3 LPA	Core
28	Moschip	3.6 LPA	Core
29	NAGARRO	3.5 LPA	IT
30	NIYO FARM TECH Pvt. Ltd.	3.6 LPA	ITES
31	PERSISTANCE	4.7 LPA	IT
32	PUPILS	4.5 LPA	IT
33	REVATURE	4 LPA	IT
34	SATVEN	3.33 LPA	IT
35	SILICONOUS	4.7 LPA	Core
36	SOPRA STERIA	6 LPA	IT
37	TCS	3.6 LPA	IT
38	TECH MAHINDRA	3.25 LPA	IT
39	VALETH HIGHTECH COMPOSITES	2.95 LPA	CORE
40	WIPRO	3.5 LPA	IT
41	Wipro-turbo	3.6 LPA	IT
42	YUPTV	3 LPA	ITES
43	ZESTAA	3 LPA	IT

Ay: 2021-2022 CAreer Guidance Programs

S.NO	NAME OF THE ACTIVITY	DATE	Remarks
1	Career Opportunities with **GATE** after **B.Tech** by **ACE Academy, Vijayawada**	15-07-21	Interactive session conducted for II year Civil & Mech Students
2	Career Opportunities with **GATE** after **B.Tech** by **ACE Academy**	13-07-21	Interactive session conducted for II year ECE & CSE Students

3	Career Opportunities with **GATE** afte**r B.Tech** by **ACE Academy**	14-07-21	Interactive session conducted for II year EEE Students

TRAINING Programs (A.Y: 2022-2023)

S.NO	NAME OF THE ACTIVITY	DATE	Remarks
1	Training for Savantis On campus Drive	23-01-23 to 25-01-23	Training Conducted for Eligible Students
2	Training for TCS Nqt 2023	07-07-23 to 29-07-23	Training Conducted for Eligible Students
3	Training for TCS Nqt 2023	11-08-23 to 12-08-23	Training Conducted for Eligible Students
4	Mock interviews for TCS NINJA-2023 I Round Selected Students	19-09-22 to 01-10-22	Training Conducted for Shortlisted Students
5	Concentrix On Campus Training from	06-03-23 to 09-03-23	Training Conducted for Shortlisted Students
6	Unistring Tech Solutions (UTS) On Campus Training from	20-03-23 to 24-03-23	Training Conducted for Shortlisted Students
7	UTS Technical Interview Training	19-04-23 to 26-04-23	Training Conducted for Shortlisted Students
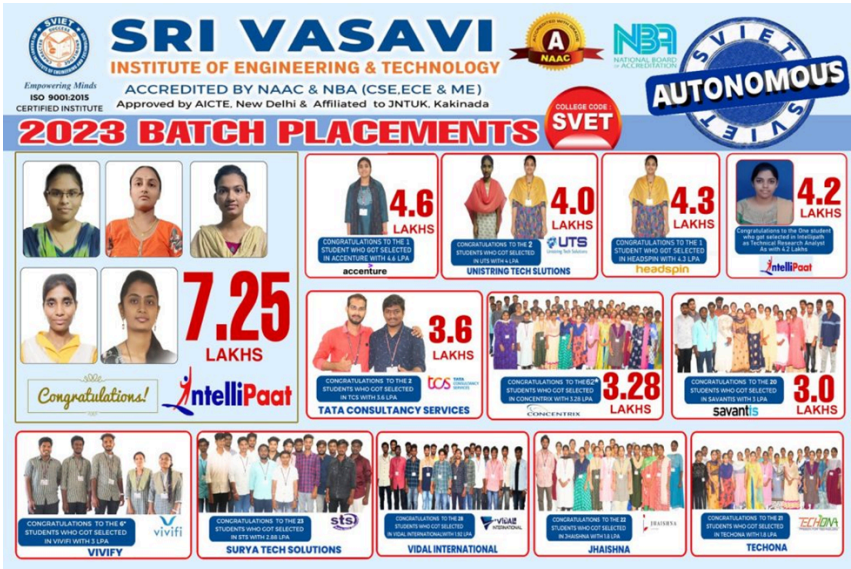
AY 2022-2023 PLacement DRIVES (A.Y: 2022-2023)

S.No	Company Name	CTC in Lakhs	Core/IT/ITES
1	ACCENTURE	5 LPA	IT

2	ALIEN INNOVATIONS PRIVATE LIMITED	3.6 LPA	IT
3	CONCENTRIX	2.2 LPA	IT
4	CRIZTONE TECHNOLOGY PRIVATE LIMITED	3.54 LPA	IT
5	DAZN SOLUTIONS	2.4 LPA	ITES
6	INTELLIPAT	6.2 LPA	IT
7	iTALENT DIGITAL	3.8 LPA	IT
8	JHAISHNA TECHNOLOGIES	1.5 LPA	IT
9	MANJHA TECHNOLOGIES PVT LTD	3.54 LPA	IT
10	Manjha Technologies Pvt. Ltd.	3.6 LPA	ITES
11	NEROPINE	1.2 LPA	IT
12	NETSPIN	4.3 LPA	IT
13	NIYO FARM TECH Pvt. Ltd.	3.6 LPA	ITES
14	PRUDENT GLOBALTECH SOLUTIONS	1.7 LPA	IT
15	SAVANTIS	3 LPA	IT
16	SPRYPLEHR	2.6 LPA	IT
17	SURYA TECH SOLUTIONS	2 LPA	IT
18	SVIET	1.5 LPA	ITES
19	SWIFT STAFFING SOLUTIONS	2.7 LPA	IT
20	TCS	3.5 LPA	IT
21	TECHONA ENTERPRISES	1.8 LPA	CORE
22	THINK AI LABS	1.8 LPA	IT
23	UTS	4.32 LPA	IT
24	VALANELABS	2 LPA	IT
25	VASISTA TECHNOLOGIES	2.4 LPA	IT
26	VIDAL INTERNATIONAL	1.98 LPA	CORE
27	WIPRO	2.65 LPA	IT
28	ZARAVYA SOLUTIONS	2.2 LPA	IT
29	BITS TECHNOLOGIES	3LPA	CORE

Ay: 2022-2023 Career guidance (InterAtive sessions)

S.NO	NAME OF THE ACTIVITY	DATE	Remarks
1	Career Opportunities of Higher Education (MS) after **B.Tech** by **Leo Global Overseas Education**	13-09-22	Interactive session conducted for All IV year
2	Career Opportunities of Higher Education (MBA) after **B.Tech** by **KL University**	16-02-23	Interactive session conducted for All IV year
3	Career Opportunities Higher Education (with **GATE)** after **B.Tech** by **ACE Academy, Vijayawada**	27-02-23	Interactive session conducted for All III year

Placement Details of A.Y- 2023-2024

S.No	Company Name	CTC in Lakhs	Core/IT/ITES
1	AADHYANTH TEXTILES INDIA PRIVATE LIMITED	4	CORE
2	ACCENTURE	4.4 LPA	IT
3	ALIEN INNOVATIONS PRIVATE LIMITED	3.54	CORE
4	BHARAT ELECTRONICS LIMITED	3.6	CORE

S.NO	Company	Package	Type
5	BITS TECHNOLOGIES	3LPA	CORE
6	CCL FOOD ON BEVARAGES LIMITED	2.58	CORE
7	CHANG YI Interconnect Tech.Pvt.Ltd	3.5 LPA	IT
8	CRIZTONE TECHNOLOGY PRIVATE LIMITED	4.2	CORE
9	Datalynx	2.8 LPA	IT
10	Efftronics	3.2 LPA	CORE
11	EXCELR	2.8 LPA	IT
12	GLOBAL LOGIC	2.2	IT
13	INDRO SOLUTIONS	2.26	IT
14	MANJHA TECHNOLOGIES PVT LTD	3.54	IT
15	Manjha Technologies Pvt. Ltd.	4 LPA	ITES
16	NIYO FARM TECH PRIVATE LIMITED	4	CORE
17	PALLE TECHNOLOGIES	2 LPA	IT
18	Resolute	2.5 LPA	CORE
19	Scala automation solutions	1.8 LPA	IT
20	SRI RAGAVENDRA TECHNOLOGIES	2.2	CORE
21	SURYATECH SOLUTIONS PRIVATE LTD.	2.2 LPA	IT
22	Techona Enterprises	1.44 LPA	CORE
23	UPSTARTIX INNOVATIONS PRIVATE LIMITED	3.6	CORE
24	Wipro	3.5 LPA	IT

A.Y: 2023-2024 Training programs

S.NO	NAME OF THE ACTIVITY	Date	Remarks
1	Delta-X	05-09-23 to 06-09-23	Training Conducted for Eligible Students
2	Prudent Technologies	10-11-23 to 11-11-23	Training Conducted for Eligible Students
5	Excelr	24-11-23	Training Conducted for Eligible Students
6	Visa AI Labs	01-12-23 to 02-12-23	Training Conducted for Eligible Students

7	**Tech Mahindra**	22-01-24 to 03-02-24	Training Conducted for Eligible Students
8	**Tech Mahindra by Logic Works**	05-02-24 to 07-02-24	Training Conducted for Eligible Students
9	**TCS NQT**	26-04-24	Training Conducted for Eligible Students once notification released
10	**Techouts**	24-04-24 to 26-04-24	Training Conducted for Eligible Students
11	**Snovasys**	30-04-24	Training Conducted for Eligible Students

A.Y: 2023-2024 Career guidance

S.NO	NAME OF THE ACTIVITY	Date	Remarks
1	**Career Guidance (MS) by Global Explore Education**	23-08-23	Conducted for All Final & Prefinal Year students
2	**Career Guidance On higher education (M.Tech/PG) by ACE academy**	06-10-23	Conducted for All Prefinal Year students
3	**Career Guidance on Future of Ece students by Mr. Teja Silisonous MD**	18-11-23	Conducted for All pre final Year Ece Students

On campus/Off campus/Pool Campuses Conducted over the 3 years

AY	On Campus	Off Campus	Pool Campus	Total
2021-2022	3	3	37	43
2022-2023	7	3	19	29
2023-2024	8	5	11	24

9.6 Entrepreneurship Cell (5)   Total Marks 5.00

Institute Marks : 5.00

A. Entrepreneurship initiatives (1)

B. Data on students benefitted (4)

Introduction

Entrepreneurship Development Cell (EDC) is established and various events will be organized to know the importance of being an entrepreneur and ways to get financial assistance to become an entrepreneur and to motivate students to start their own venture instead of queuing up in the job market.

Functions of the cell:

1. To organize Entrepreneurship awareness camps, Entrepreneurship development programs.
2. To guide & assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies.
3. To organize guest lectures, webinars, seminars etc. for promotion and growth of Entrepreneurship.
4. To arrange visits to industries for prospective entrepreneurs.
5. To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects.
6. To render advice to stick enterprises and assist the entrepreneurs in rehabilitating them.

Facilities of the cell:

1. One Discussion room
2. Two internet connected PCs.
3. MOU (Memorandum of Understanding) with Incubators.
4. We provide maximum infrastructural facilities to the students, including various laboratories, hardware and software.
5. Special focus will be on early stage ideas and innovations which can be definitely converted to the products.
6. To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.

Management of the cell:

Cell comprises of one senior faculty as institution level coordinator, faculty as committee members along with student coordinators from each department.

S.No	Name of the Member	Department	Role
1	Dr. Md Abid Ali	Mech	Co-ordinator
2	Dr. G Tejaswi	ECE	Member
3	Dr. Ch S Sailaja	S & H	Member
4	Mr. K Venkateswara Rao	CSE	Member
5	Ms. D Khyathimai	Mech	Member
6	Mr. Md Umar	Civil	Member
7	T Baby Harshitha	ECE	Student Member
8	Sk Sahera Begum	CSE	Student Member
9	K B L Phani Kumar	MECH	Student Member
10	Abdul Athiqur Rahman	Civil	Student Member

Year Planner – Mapping With PO – Entrepreneur Development Cell (A.Y :: 2024-25)

S.NO	NAME OF THE ACTIVITY	ACTIVITY DATE	Remarks
1.	Workshop	03-11-2024	A ONE DAY WORKSHOP ON ENTREPRENEURSHIP SKILLS

| 2 | Guest Lecture | 13-02-2025 | Guest Lecturer on Entrepreneurship and the Indian Ecosystem |

Year Planner	PO1	PO2	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
1	-	-	-	-	-	2	2	2	2	2	2	2
2	-	-	-	-	-	2	2	3	2	2	2	2

S.No	Date	Name of the Events	No of Participants	Remark
1	03-11-2024	Workshop	115	A ONE DAY WORKSHOP ON ENTREPRENEURSHIP SKILLS
2	13-02-2025	Guest Lecture	150	Final year ECE, CSE and Mechanical students attended a Guest Lecturer on "Entrepreneurship Development"

Year Planner – Mapping With PO – Entrepreneur Development Cell (A.Y :: 2023-24)

S.NO	NAME OF THE ACTIVITY	ACTIVITY DATE	Remarks
1.	Workshop	15/10/23	One day workshop on Entrepreneurship
2	Guest Lecture	7-03-2024	AWARENESS PROGRAM ON IPR

Year Planner	PO1	PO2	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
1	-	-	-	-	-	2	2	2	2	2	3	2
2	-	-	-	-	-	2	2	3	2	2	2	2

S.No	Date	Name of the Events	No of Participants	Remark
1	15/10/23	Workshop	153	One day workshop on Entrepreneurship
2	7-03-2024	Guest Lecture	136	AWARENESS PROGRAM ON IPR

YEAR PLANNER – MAPPING WITH PO – ENTREPRENEUR DEVELOPMENT CELL (A.Y :: 2022-23)

S.NO	NAME OF THE ACTIVITY	ACTIVITY DATE	Remarks

1.	Seminar	29-10-2022	AMOTIVATIONAL SESSION ON Entrepreneurship
2	Workshop	01-04-2022	One day Workshop on Intellectual Property Rights

Year Planner	PO1	PO2	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
1	-	-	-	-	-	2	2	2	2	2	3	2
2	-	-	-	-	-	2	2	3	2	2	2	2

S.No	Date	Name of the Events	No of Participants	Remark
1	29-10-2022	Seminar	50	AMOTIVATIONAL SESSION ON Entrepreneurship
2	01-04-2022	Workshop	32	One day Workshop on Intellectual Property Rights

Guest Lecturer on "Entrepreneurship Development

Guest Lecture on EP & Startup in Indian Echo System

Impact Analysis:

The list of students benefitted through this committee and became Entrepreneur are:

List of students benefitted and became entrepreneurs

S.No	Name of the Student	Roll Number	Department	Batch	Details of the Organization
1	V Sunil Kumar	13MQ1A0157	CIVIL	2013-17	All India Maarg Consultancy, Hyderabad, Ph: 9494963623

9.7 Co-curricular and Extra-curricular Activities (10)   Total Marks 10.00

Institute Marks : 10.00

A. Availability of sports and cultural facilities (3)

B. NCC, NSS and other clubs (3)

C. Annual students activities (4)

The Institution has a sports ground. There are well-equipped sports kits. Students are encouraged to participate in various zonal and inter-zonal tournaments. Students participate in inter and intra-collegiate and University tournaments. Sports day is celebrated with various indoor & outdoor sports such as Long Jump, Volleyball, Table Tennis, Cricket, Basketball, Chess, and Carrom, both for staff and students, as part of recreation.

Aim:

For the overall development of a professional to be placed in the highest realms, they have to be physically,   mentally, emotionally, and intellectually top in their field. Our institute provides excellent sporting facilities and intensive sport programs to make the students improve in all situations and circumstances.

Objectives:

- To improve physical fitness and strength
- To improve competitive spirit
- Motivate the students to involve in physical activities and sports
- Feeling the sense of wellness of the students and staff by participating in sports.
- To make the students participate in the tournaments and loyalty to the college.
- To develop leadership quality and overall development by involving in sports

OUTDOOR FACILITIES:

Table 9.7.2.1: Dimension of sports facilities

Sl. No	Name of the Facility	Quantity	Dimension
1	Basket ball	1	28mtsx15mts
2	Cricket net practice	1	100ft
3	Ball badminton	1	24mts x12mts
4	Volley ball	3	18mts x9mts
5	Throw ball (women)	1	60ftx40ft
6	Kabbadi	2	13mts x10mts
7	Kho-Kho	1	27mts x16mts
8	Shuttle court	2	13.40mts x 6.10mts
9	Tennikoit court	2	12.20mts x5.50mts

INDOOR FACILITIES:

Sl. No	Name of the Facility	Quantity
1	Chess	8
2	Caroms	6
3	Table –Tennis	1

ATHLETICS:

Sl. No	Name of the Facility
1	Javelin Throw
2	Discus Throw
3	Shot put
4	Long Jump
5	High Jump
6	Parallel Bar
7	Horizontal Bar

A well-qualified physical director will manage all sport activities like

1. Cricket
2. Volleyball
3. Shuttle (Boys & Girls) – Singles & Doubles
4. Chess (Boys & Girls)
5. Carroms (Boys & Girls) – Singles & Doubles
6. Tennikoit (Girls)–Singles & Doubles
7. Throw Ball (Girls)
8. Athletics

Physical Director Details:

Table 9.7.2.2: Details of Physical Director

Sl. No	Name of the Physical Directors	Qualification
1	Dr .C.Salmon sudheer	M.A M.P.Ed Ph.D
2	S.Rama Krishna	M.A M.P.Ed
3	T. Ramesh	M.P.Ed

Composition of the Committee:

S.NO	FACULTYNAME/ STUDENT NAME	DEPARTMENT	DESIGNATION/ CLASS	POSITION
1	Dr .B.R.S Reddy	CSE	Principal	Chairman
2	CH. Giri Phani Kumar	Civil	Asst. Professor	Convener
3	N. Vinay Kumar	Civil	Asst. Professor	Member
4	D.Kiran Babu	ME	Asst. Professor	Member
5	N.Nagaraju	ECE	Asst. Professor	Member
6	S.Rajeswari	ECE	Asst. Professor	Member
7	Md.shamsheer	CSE/AI&ML	Asst. Professor	Member
8	D Aruna	CSE/AI&ML	Asst. Professor	Member
9	P.Purnima	S&H	Asst. Professor	Member
10	Dr.C.Salmon Sudheer	Physical Education	Physical Director	Member
11	S.Rama Krishna	Physical Education	Physical Director	Member

12	T.Ramesh	Physical Education	Physical Director	Member
13	K.Vinay Kumar	Civil	IV YEAR	Student Member
14	M.Keerthana	Civil	III YEAR	Student Member
13	A.Madhav	ME	IV YEAR	Student Member
14	V.Gunadeep	ME	III YEAR	Student Member
15	V. Lasya Sri	ECE	IV YEAR	Student Member
16	B. Bhargavi	ECE	III YEAR	Student Member
17	M. Kanaka Suresh	CSE/AI&ML	IV YEAR	Student Member
18	D.Lakshmi	CSE/AI&ML	III YEAR	Student Member
19	M.Vishal Kumar	S&H	IYEAR	Student Member
20	D.Harishitha	S&H	I YEAR	Student Member

Roles & Responsibilities of Committee Members

Role of the Coordinator
• Ensure all necessary tasks for day to day running of the game and sports activities of the college are carried out.
• Chair Committee Meetings ensuring that they are run efficiently and effectively
• Act as a signatory for the committee in all purposes.
• Serve as a spokesperson for the committee when required.
• Represent the committee and the college in matters involving the relevant Association.
• Submit an annual report to the committee.
• Ensure transparency in the related activities
• To perform any other related duty assigned by Director/ Principal of the institution.

Role of the Faculty Member
• Maintain records of the Committee and ensure effective management of committee's records.
• Maintain the committee membership list each year.
• Formulate and update the yearly calendar of events under the observation of co-ordinator of the committee.
• Communicate with respective Head of the Department regarding the activities of the cell.
• Identify the students who have leadership quality and propose their name to the coordinator as student representative.
• Report all the related activities to the coordinator of the committee.
• To develop awareness of sports and games and help developing sportsman spirit among the student

Role of the Student Member
• To identify interested students in games and sports.
• To help faculty members in organizing different events in Games and Sports.
• To follow up and implement the instructions given by Co-ordinator and Faculty members of the committee.
• To collect the data for each and every events under the guidance of the faculty member.

Role of the Physical Director:
• To maintain a stock ledger of all available items and equipments related to the cell.
• To ensure the purchase and service of any item or equipments related to the cell.
• To maintain and upkeep the sports facilities of the college including the ground.
• To provide First Aid facility during the sports and games activities.

Events or Activities held by Sports & Game Cell Cell for academic Year 2024-25

S.NO	NAME OF THE EVENT	DATE	VENUE	PARTICIPATION

1	SHOTPUT	02-08-2024		56
2	LONG JUMP	003-08-2024	SVIET GROUND	52
3	DISCS THROW	05-08-2024		37
4	THROW BALL	06-08-2024		38
5	VOLLEY BALL	16-08-2024		77

Figure 9.7.2.1: Student participation in sports & games

Arts/Cultural/Literary & Students Activity Centre:

Functions of the Cell:

1.To bring out hidden talents of the students.

2.To increase the social relationship in the college hence to mingle with society.

3.To encourage the students to express their inner feelings to the outside world.

4.To make the students more active in their academics by providing a platform for recreation and self-expression

Composition of the Committee:

Table9.7.3.1.1:Faculty members in committee (Arts/Cultural)

S. NO.	Name	Designation	Department
1.	Dr.B.R.S.Reddy	Chairman	Principal
2.	Mr.N.Anil Kumar.	Coordinator	M.Tech,CSE
3.	Mr.G.Nancharaiah	Member	M.Tech,CSE
4.	Ms.CH.Anusha	Member	M.Tech,Mech
5.	Mrs.K.Sowmya sri	Member	M.Tech,ECE
6.	Mr.D.Sridhar	Member	M.Tech,ECE
7.	Mr.M.Madhusudhan Rao	Member	M.Tech,CSE

Table9.7.3.1.2: Student members in committee (Arts/Cultural)

S. No.	Roll No.	Name of theStudent Member	Department
1.	22MQ1A0436	P.Bindu pavani	ECE-IIIYear
2.	22MQ1A05A0	S.Indu sri	CSE-III Year
3.	22MQ1A0444	T.Hema sri	ECE-III Year
4.	22MQ5A0303	A.Madhav	ME-IV Year
5.	22MQ1A0418	G.Praveen	ECE-IIIYear
6.	21MQ1A0527	R.Sravani	CSE-IV-Year
7.	21MQ1A0547	J.Nancharaiah	CSE-IV-Year
8.	23MQ1A0484	K.Siri naga sai sri	ECE-IIYear

9.	23MQ1A0532	M.Sravanthi	CSE-IIYear
10.	23MQ1A0570	B.Abhinaya	CSE-II Year
11	23MQ1A0301	D.Jashvanth	ME-II-YEAR
12	23MQ1A0301	K.Sumanth	ME-II-YEAR

Roles and Responsibilities:

The committee seeks to create a platform that provides the students with an opportunity to display creative talents in a variety of ways. Coordinator and faculty members shall discuss and decide the year plan for the events. Coordinator assigns responsibilities for faculty and students.

Coordinator and members shall estimate the budget for an event to be conducted. Coordinator and faculty members coordinate with the students and conduct events committee coordinator solves the in disciplinary issues and takes necessary measures.

Coordinator shall select and nominate few of the students members for the discipline committee.

Facilities:

Students Activity Centre:

The Students Activity Centre is a central and important space in any Institution. It is used for all types of formal assemblies, lectures, award ceremonies, dramatic plays, dance and literary competitions and so on. It is

crucial for all events that everyone in the room can hear everything that is delivered in a clear and enjoyable manner.

Open Air Theatre:

Open air theatre is a central point of attraction for the students where various events are organized. It is used for all types Cultural Activities - Dance, Theatre and Music and Literary competitions are also organized in Open Air Theatre.

Functions:

- The Cultural Committee shall be responsible for all intra and inter collegiate cultural events in the College.
- To prepare annual budget for all cultural events and take necessary steps for its approval.
- ToobtainformalpermissionfromtheCollegeauthoritiestoarrangeprogramtodecidethedate, time and agenda of the program.
- To inform members of staff and students about the eventtoarrangethevenueandlogistics(audio/video system, Dias, podium etc).
- To invite the Chief Guest and other dignitaries.
- Arrangements for guests and gifts/certificates for the participants.

Event:Activities held for the academic Year: 2023-24

Table9.7.3.2 Events or Activities held by SAC Cell for academic Year 2023-24

S.No	Date	Nameof the Event	No of Participants	Venue
1	10-08-2023	Tiranga –Dstrict Level Competitions	150	SVIET
2	05-09-2023	Teachers Day Celebrations	400	SVIET
3	05-09-2023	Krishnashtami Celebrations	1100	SVIET
4	20-10-2023	Fresher's Day Celebrations	800	SVIET
5.	21-10-23	Dasara Mahostavamu	1800	SVIET
6	25-11-23	Karthika Deepostavamu	2000	SVIET

7	23-12-2025	Semi Christamas	1200	SVIET
8	12-01-2024	Sankrathi Sambaralu	2000	SVIET
9	27-02-2024	E-TV Josh program	300	SVIET
10	01-04-2024	Annual Day celebrations	2000	SVIET

National Service Scheme (NSS)

SRI VASVI INSTITUE OF ENGINEERING AND TECHNOLOGY, National Service Scheme (NSS) Unit No. 90214703C enrolls 250 NSS volunteers every year. The National Service Scheme (NSS) is an Indian government-sponsored public service program conducted by the Department of Youth Affairs and Sports of the Government of India. Popularly known as NSS, the scheme was launched in Gandhiji"s Centenary year, 1969. Aimed at developing students personality through community service, NSS is a voluntary association of young people in Colleges, Universities, and at +2 levels working for a campus-community linkage.

The cardinal principle of the NSS program is that it is organized by the students themselves, and both students and teachers, through their combined participation in community service, get a sense of involvement in the tasks of nation-building. Motto: "SERVE THE NATION."

SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY NSS Committee has been constituted With The following members

Committee Members

Table 9.7.1.1: Members of National Service Scheme (NSS) Committee for Academic year 2023– 24

S.No.	Name	Designation	Department
1	Dr.B.R.S.Reddy	Chairman	Principal
2	Mr.N.Anil Kumar	Program Officer	Assoc.Prof,CSE
3	Mr.M.Madhusudhan Rao	Member	Asst.Prof,CSE
4	Mr.G.Nanchraiah	Member	Asst.Prof,CSE
5	Mrs.CH.Anusha	Member	Asst.Prof,MECH
6	A. Sowmya Sri	Member	Asst.Prof,ECE
7	Mr.A.Praveen	Student Member	CSE
8	Siva Jyotsna	Student Member	AIML
9	Mr.P.Bindu Pavani	Student Member	ECE

NSS Program Officer Details:

Table 9.7.1.2: Details of NSS Program officer

Name of NSS Program officer	Mr. N. Anil Kumar
Qualification	M. Tech
Designation	Assoc. Professor
NSS Unit Code	90214703C

Aim of National Service Scheme(NSS)

The program aims to inculcate social welfare in students, and to provide service to society without bias.NSSvolunteersworktoensurethateveryonewhoisneedygetshelptoenhancetheirstandardof living and lead a life of dignity. In doing so, volunteers learn from people in villages how to lead a good life despite a scarcity of resources. It also provides help in natural and man-made disasters by providing food, clothing and first aid to the disaster victims.

Functions of NSS

- To encourage students to take active participation in social responsibilities.
- To arrange road shows and processions for creating awareness to people on certain health and social problems.
- To arrange Blood donation camps.
- Toorganizefreehealthcheck-upcampusbyinvitingwillingdoctorstothecampus.
- Toorganizespecial camping program.
- Toorganizeplantation programs.
- Theprogramaimstoinstalltheideaofsocialwelfareinstudents,andtoprovideservice tosociety without bias.
- NSS volunteers work to ensure that everyone who is needy gets help to enhance their standard of living and lead a life of dignity
- Making education more relevant to the present situation to meet the felt needs of the community andsupplementtheeducationoftheuniversity/collegestudentsbybringingthem facetofacewith the rural situation
- Providing opportunities to the students to play their role in planning and executing development projects which would not only help in creating durable community assets in rural areas and urban slums but also results in the improvement of quality of life of the economically and socially weaker sections of the community Encouraging students and non-students to work together along with the adults in rural areas
- Developing qualities of leadership by discovering the latent potential among the campers, both students as well as local youth (Rural and Urban), with a view to involve them more intimatelyin the development programme and also to ensure proper maintenance of the assets created during the camps
- Emphasizing dignity of labour and self-help and the need for combining physical work with intellectual pursuits
- Encouraging youth to participate enthusiastically in the process of national development and promote national integration, through corporate living and cooperative action.
- ToassistandguidetheNSS unit forimplementation ofNSS ProgramsatCollege level.
- To help in organizing camps, training and orientation programs for the NSS Program officers. To visit the NSS units for monitoring and evaluation.
- Conduct freemedical camps fornearbyvillages.
- Organize Awareness programs on various issues, e.g, swachhta bharath sanitation, pollution and environmental issues, social issues etc.,
- TopromoteCommunityeducationthroughmeetings,talks,newsbulletins,Discussions etc.,

Annual NSS Camps

- Annual Campsareheldannually,fundedbythegovernmentofIndia,andareusuallylocatedinarural village or a city sub Urban.Volunteers may be involved in such Activities as:

- CleaningAforestation
- Stage shows or a procession creating awareness of such issues as social problems, education andcleanliness.
- Invitingdoctors for health camps
- Crowdregulationduringfestivalseason
- Floodrelief operation
- Conductingadulteducationclass.

Details of College NSS Account:(PFMS) Name of the Bank: State Bank of India A/C number: 41665912325
IFSCcode: SBIN0020517
Address: Munjuluru, Pedana Mandal
Table 9.7.1.3: Bank details of the NSS unit for university correspondence (fund sanction & utilization)

S.No	Academic Year	Amount Sanctioned by JNTUK, Kakinada	Amount Spent	Balance
1	2023-24	36000	36000	Nil
2	2022-23	36000	36000	Nil
3	2021-22	27000	27000	Nil

NSS Special Camping Program:

Special Camping forms an integral part of the National Service Scheme. It has a special appeal to the youth as provides unique opportunities to the students for group living, collective experience sharing, and constant interact with the community. Special camping is organized generally on various developmental issues of national important In the past, the themes of the special camping programs have been „Youth for Rural Reconstruction" and ,Health Youth for a Healthy India." Every year, 50 percent of the NSS volunteers are expected to participate in the spec camp, which is of seven days duration.

Event Reports:

The NSS Program officer of the institution will coordinate with the "NSS Coordinator of JNTUK, Kakinada in respect of various activities taken up and submit a report to him.

Table9.7.1.4: NSS Activities for the Academic Year 2023– 24

S.No.	Date	Name of the Activity	Description
01	21-06-2023	National Yoga Day Rally	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU celebrated International Yoga Day, on June 21st, it is a global platform uniting people to promote yoga for physical, mental, and spiritual well-being. Originating in India, yoga fosters harmony between mind and body, and the day celebrates its transformative power and benefits.
02	10-08-2023	TIRANGA District Level Competitions	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU. Tiranga Celebrations are organized in the college on 10-08-2023 from 10.00 A.M.The Indian National Flag represents the hopes and aspirations of the people of India. It is the symbol of our national pride. Over the last five decades, several people including members of armed forces have ungrudgingly laid down their lives to keep the tri-colour flying in its full glory.

03	26-08-2023	Mega Tree Plantation	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU. Mega tree plantation initiatives, like the "Ten Billion Tree Tsunami" in Pakistan, are vital for combating climate change and restoring ecosystems, but require careful planning and community involvement to ensure success and avoid unintended consequences. These large-scale projects aim to sequester carbon, improve air quality, and enhance biodiversity, but must also address land rights and resource access to be truly sustainable.
04	27-09-2023	Blood Donation Camp	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU. Blood donation is harmless and safe in the body. Rather, it is a social responsibility. The donor is donating for it as it will be used in saving lives of his fellow beings. He himself may use the same during his own need. MILLIONS OF people owe their lives to people whom they will never know or meet in their lifetime.
05	28-09-2023	Blood Grouping Camp	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU. The event focused on educating the public about the importance of blood donation, the different blood groups, and the process of blood typing and donation. Trained medical personnel were present to conduct blood grouping tests and collect blood samples from willing donors. The camp also provided refreshments and rest areas for donors, ensuring a comfortable and safe experience. The success of the camp was evident in the positive response from the community, with many people expressing their willingness to donate blood and learn more about blood donation. The collected blood samples were sent to a local blood bank for storage and distribution to patients in need. This event served as a valuable reminder of the critical role blood donation plays in saving lives and strengthening community health.

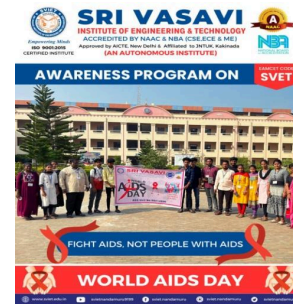| 06 | 11-10-2023 | Amrit Kalash Yatra | The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.

Meri Maati Mera Desh (MMMD) campaign was kick started on 9th August 2023 encouraging people to pay their tributes to the Veers and Veeranganas who dedicated and sacrificed their lives for the nation. The campaign unfolded at Panchayat/Village, Block, Urban Local Body, State and National levels inviting people from across the country to participate in Meri Maati Mera Desh campaign through various activities such as construction of Shilaphalakams, creation of Amrit Vatikas, tree plantation, Veeron ka Vandan, and Panch Pran ceremony. After the huge success of phase one of MMMD, the second phase of MMMD campaign was launched on 1st September 2023 encouraging people from each District/Village to take part in Amrit Kalash Yatras. Amrit Kalash yatra was organized on 11th October 2023 in Nandamuru village. |
| 07 | 31-10-2023 | National Unity Day | The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.

In **1984**, the Indian Government first declared to celebrate the birthday of Swami Vivekananda i.e. 12th January as National Youth Day. Since then the day has been celebrated as National Youth Day all over the country. The governments main aim is to make a better future for the country by motivating the youths through the way of their life and ideas of the Swami Vivekananda. It is a great way to wake up the eternal energy of the youth as well as to make the country develop. National Youth Day is also known as **Rashtriya Yuva Diwas** and is celebrated on the birth anniversary of Swami Vivekananda. The day creates awareness and provides knowledge about the rights of people in India. It is a day to educate people to behave properly in the country. The main objective behind the celebration is to make a better future for the country by motivating the youth and spreading the ideas of the Swami Vivekananda. National Youth Day is also famous as Yuva Diwas. |
| 08 | 16-11-2023 | AP Disha App Installation Camp | The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.

The DISHA app, developed by the Andhra Pradesh police, is a crucial tool for womens safety, allowing users to send SOS alerts to the police control room and designated contacts by shaking their phone or pressing a button, and also features "Track My Travel" for enhanced safety. |

09	01-12-2023	AIDS Day Awareness Rally	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU. AIDS is primarily HIV or the Human Immune deficiency Virus. This virus replicates itself into the human body by inserting a copy of its DNA into the human host cells. Due to such property and capability of the virus, it is also known as a retrovirus. The host cells in which the HIV resides are the WBCs (White Blood Cells) that are the part of the Human Immune system.
10	05-01-2024	National Voters Day Awareness camp	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU. 25th January is the foundation day of the **Election Commission of India** (ECI) which came into existence in **1950**. This day was first celebrated in **2011** to encourage young voters to take part in the electoral process. No doubt it is the day to celebrate the right to vote and also the democracy of India. The Election Commissions main objective is to increase the enrolment of voters, especially the eligible ones.
11	24-01-2024	Voters Registration camp	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU had organized Voters Registration camp near Grama sachivalayam , Nandamuru for the youth above 18 years. More than 100 members had participated in the camp and registered their Vote.
12	03-02-2024	Cancer Awareness Program	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY NANDAMURU DR.RAJESH KOTA, oncologist, **SMC** Medical College, VIJAYAWADA spoke on breast cancer and explained the causes, symptoms and measures to be taken for early detection and latest advancements in treatment. The seminar gave a total awareness on Breast Cancer through the charts, videos and such other visual aids. The seminar discussed and clarified the doubts regarding the topic. A medical check-up was also a part of the program. The college participated in large numbers and could easily discuss their issues,ask for assistance and guidance regarding various issues.

| 13 | 05-03-2024 | NariShakthi Fitness Camp | The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY NANDAMURU

In Indian culture, women are an embodiment of power, Shakti and are the pillars of their families and communities. Yet, only a fraction of them prioritizes their own well-being, with limited awareness about the need for fitness. Every woman of the country needs to be fit, strong, healthy, and empowered to enable their contribution towards the vision of Viksit Bharat. The NariShakti Fitness Runs aim to ignite a desire of self-care, unleashing the Shakti within each woman, and creating a ripple effect of positive change that benefits families, communities, and the nation as a whole. In 2024, the International Women's Day is being celebrated on 8th March under the theme Invest in women: Accelerate progress", for the 50th time since its inception in 1975. In commemoration of the same, 25 women from each block will participate in the Nari Shakti Fitness Runs of 500m in each of the 6618 blocks of the country on 9 th March, 2024. These runs will also mark the grand finale of the block level sports meets being conducted by the NYKS across the country. |
| 14 | 07-05-2024 | Butter Milk Chalivendram | The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU Buttermilk is a fermented dairy beverage traditionally made by churning butter out of cream. Its characterized by its tangy flavor and creamy texture. Apart from being a refreshing drink, buttermilk offers numerous health benefits. Rich in probiotics, it aids digestion, supports gut health, and boosts immunity. Additionally, the calcium and vitamins in buttermilk contribute to bone strength and overall well-being. |

PHOTO GALLERY

TRIRANGA

WORLD AIDS DAY

BLOOD DONATION CAMP

YOUTH DAY CELEBRATIONS

BUTTER MILK CHALIVENDHRAM

DISHA APP

VOTERS DAY

NATIONAL UNITY RALLY

Figure 9.7.1.1: Sample images of NSS Activities

10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)

Total Marks 120.00

10.1 Organization, Governance and Transparency (40)

Total Marks 40.00

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

Institute Marks : 5.00

Vision :
To emerge as a premier engineering institution in rural India imparting values based education for the socio-economic upliftment
Mission :
IM1: Provide the most creative learning environment for Technical Excellence of stakeholders
IM2 : Promote industry-institute interaction for skill enhancement and to meet the industry needs
IM3 : Create an environment to the stakeholders to be good citizens with integrity and morality.
IM4 : Committed to improve technial excellence, ethical values continuously.

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

Institute Marks : 10.00

A. List of Governing Body, Composition, Senate and all te other academic and administrative bodies , their memberships, functions, and responsibilities, frequency of the meetings, participation details of external members and attendance therin (4)

B. The Published service riles, policies and procedures with year of publication (3)

C. Minutes of the Meetings and action - Taken reports (3)

Governing Body:

The Institute shall have a Governing body consisting of nine members from the promoting society, two faculty members, two academicians of high academic excellence, one representative of the state government and one representative from the affiliating university. The principal shall be the member secretary of Governing Body responsible for arranging Governing Body meeting and recording the resolutions of the same. The Governing Body shall meet at least once in a year.

Correspondent The Correspondent is the chief executive of the Institute. He co-ordinates between the sponsoring Society, Governing Body and the other systems of management in the college. Correspondent shall see

1. To represent SVIET in all transactions with the Governments, statutory bodies, other institutions or individuals concerned in all matters.

2. To authorize a person or a team of persons to represent him at University, CTE, AICTE, SRO and A.P State Government wherever necessary when he cannot attend in person.

3. To activate all the Programs of various cells formed in the Institute.

4. To issue the appointment orders to the Principal, teaching staff and other staff.

5. To sanction all kinds of leaves to the Principal.

6. (a) To open and operate the Bank accounts individually (or) jointly to accommodate the remittance of the college tuition fee and other fee collected from students.

   (b) To maintain books of accounts in this regard.

7. (a) To maintain the Bank account jointly with Principal for students scholarships And staff salaries.

(b) To maintain the books of accounts in this regard.

8. (a) To open and operate a bank account jointly with the Principal for special fee

   (b) To maintain the books of accounts in this regard

9. To pay salary bills and other bills of expenditure.

10. (a) Authorized to take decisions on such matters that need immediate compliance of action.

    (b) To present such actions to the Governing Body in the subsequent meetings.

Members of Governing body Sri Vasavi Institute of Engineering and Technology

Sl.No.	Name of the Person	Designation	Position
1.	Sri G. Meher Prasad	Chairman, SVIET & President, SVES	Chairman
2.	Sri T. Meher Baba	Vice-President, A.P Rice Mill Industries; Secretary, SVES	Member
3.	Sri K. Kumar Babu	Former Project Manager, L & T; Former Sr.Project Manager, Texmaco group of Industries, Indonesia; Correspondent, SVIET	Member
4.	Sri D.Baba	Member, SVES; Executive Member, SVIET	Member
5.	Sri T. Sai Kumar	Member, SVES; Executive Member, SVIET	Member
6.	Dr. K. Raja Gopal	Retired Professor, IIT-Madras	Member
7.	Sri T. Krishna	Vice-President, L & T, Chennai	Member
8.	Dr. D. Raja Ramesh	Professor of Mech, SVIET	Member
9.	Sri SVC Gupta	Professor of CSE, SVIET	Member
10.	Sri MRS Narayana Kumar	Administrative Officer	Member

Sl.No.	Name of the Person	Designation	Position
11.	Prof A Gopala Krishna	Department of Mechanical Engineering, JNTU Kakinada	Member
12.	Dr. O. Srinivasa Rao	Professor of CSE,UCEK, JNTU Kakinada	Member
13.	Dr. B. Raja Srinivasa Reddy	Principal, SVIET	Member

Minutes of Meeting and Action-taken Sample report

Executive Directors (ED's)

ED'S mainly helps the college in the areas of Development of Education and Growth of Institution and they will be assisting the Correspondent in carrying out the duties assigned to him.

i) ED'S will advise the Correspondent and Principal on the matters, focusing on development of education and growth of the college.

ii) ED'S shall visit various departments and facilities and interact with the in-charges for on-hand assessment of the same.

iii) ED'S shall address the staff, students and other stake holders if required, preferably through Principal.

iv) ED'S shall actively participate in the visits of experts from regulatory authorities / inspection committees and important visitors

v) ED'S shall represent the college in various forums duly authorized by the Correspondent.

vi) ED'S shall involve in any other work incidental to carrying out the above functions

vii) ED'S shall also involve any other work of the college assigned to him in the interest of the college by the Correspondent or on his own initiative after duly informing and taking the permission of the Correspondent.

PRINCIPAL

The Principal is the chief ACADEMIC ADMINISTRATOR and a bridge between the Management, Staff and Students. He should be preferably of good academic, administrative personal standing with sufficient experience in engineering colleges. The Principal shall be a source of inspiration to the staff and students particularly in matters of discipline and commitment to the institution.

Functions of the Principal:

1. To assist the G.B and Correspondent in formulation of academic programmes, administrative policies, action plans for infrastructural development and schemes for institutional development.

2. To implement all decisions of the Correspondent with regard to academic affairs and administrative matters that are entrusted to him.

3. To ensure effective academic management, monitoring all academic activities like day-to-day academic work, periodical evaluation, achievement of good annual results etc.

4. a) To recommend the formation of various cells/committees for active pursuit of curricular, co-curricular and extra-curricular activities for the approval of the G.B.

b) To ensure the effective functioning of such activity cells/committees.

5. To enforce discipline among the students on the campus or off the campus as the situation demands, taking necessary measures with the help of the staff; and the guidance/help of the Management when needed.

6. To inculcate work culture and discipline among the staff so as to keep them as models for students as envisaged by the sponsoring society/G.B/Correspondent. Note: While enforcing discipline among the staff, the principal should act with due caution to protect the image and interests of the institution. The principal need to consult the Correspondent and take his consent regarding disciplinary measures particularly in cases of senior faculty members in higher cadres.

7. To spend the amount in consultation with respective ACTIVITY CELL / COMMITTEE on the approval of the correspondent

8. a)To open and operate a Bank account for Scholarships received from different sources including the State Government.

b) To maintain Books of Account for the scholarships.

9. The deans shall report to the Principal.

10. To prepare the budget for consideration and approval of the Governing Body.

11. To prepare salary statement and present it every month for the approval of the correspondent for disbursement.

12. To sanction leaves to staff as per leave rules, maintaining leave account.

13. To take steps for promotion of INDUSTRY-INSTITUTION INTERACTION and R&D work on his own or on the suggestions of the concerned Deans and Heads of the Department.

Deans

To help the Principal in academic administration, there shall be two Deans working in the Institute viz.,

    1. Dean – Academics and Planning.

    2. Dean – Monitoring and Student affairs.

The Designation Dean shall be used only when Professors hold these posts. In other cases they are called 'Officers'

 I) Dean – Academics and Planning. He shall look after

      a) Time Tables

      b) Central Library & Information Centre

      c) Website/ICT/Internet Cell

      d) NSS Cell e) Sports and Games

      f) IQAC (Internal Quality Assurance Cell)

      g) Arts & Cultural Cell

      h) Dept. Association Coordination

      i) Industry - Institution Interaction

II) **Dean- Monitoring and Student** affairs shall look after

      a) Finance/Purchase/Store

      b) Student Counseling / Grievances Redressal Cell

      c) Sports & Games

      d) EDC

      e) Alumni

      f) Professional Society & Coordination

Deans –Functions:

1. He is the overall in charge for the respective areas under him and he shall ensure the success of these programmes.

2. He will make recommendations to Principal on formulation of various cells for different areas he is in charge of.

3. He will convene meetings of those committees at least once in two months.

4. He shall submit reports to the Principal twice in a semester on the programs he is in charge of.

5. All the information, correspondence regarding the programmes coming under the purview of the dean shall be routed to him through principal.

6. Whenever necessary he shall convene a meeting of HODs concerning those programmes/Cells In the hierarchical order the Deans are between the Principal and HODs.

Coordinators:

Coordinators of all cells will report to their respective Deans/Principal.

HODs shall report to the Principal through Dean on matters that come under the purview of Dean.

The Deans will be guided by the policies of the college in the matters that come under their purview.

Duties of HODs

HOD is responsible for the functioning of that Department as per the laid down policies of the college. He will be consulting with Deans and reporting to Principal, in technical matters coming under the purview of the dean.

HOD will prepare budget estimation for the Department for its operation, maintenance and development.

HOD will constitute various committees to help in various matters. Preparing and submitting a report to the Principal on all matters.

He will be in-charge of all the academic and other Departmental activities of the department and will be reporting on this at the end of every semester.

HODs are given an impress money of Rs.5,000/- and they will utilize this for emergencies and unforeseen expenditures only.

He will allocate academic and other duties to the faculty/supporting staff members of his department.

HODs enjoy a level of autonomy to utilize the services of his faculty and supporting staff.

Decentralization in Working

The institution vision and mission as well as the decisions of the Governing Body are implemented by the Principal with the help of various Heads of Departments, Committee Coordinators for which the details are given as below.

Names of HODs of all Departments.

S No	Name of the HoD / Dean	Department / Area
1	Dr. G Syam Prasad	CSE
2	Dr. A Chandra Suresh	ECE
3	Dr. Md Abid Ali	ME
4	Mr. Ch Giri Phani	CE
5	Dr. K N Swamy	BS & H

Functions of Key Administrative Positions

Functions of key administration positions of SVIET

Administrative Setup:

Sri Vasavi Institute of Engineering and Technology is committed to achieving global standards and excellence teaching, research and consultancy by creating a conductive environment in the fields of technical, managerial, and professional with a global outlook, ensuring continuous improvement.
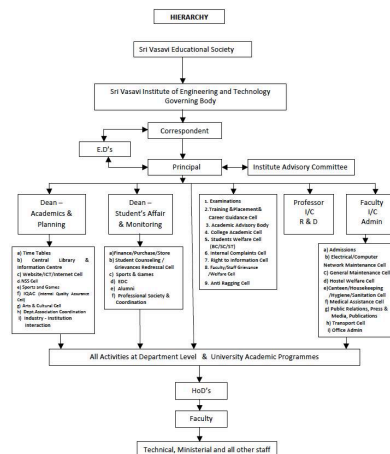
Committees:

Every committee shall have a coordinator and two or more members. Coordinator will be in charge of the committee and its programs. These committees assist the Deans/Principal in the discharge of their duties. Each activity given under the Dean will have a committee/Cell.

For ensuring participation of faculty, staff, students and other stakeholders, numbers of Committees are constituted.

Decentralization: A Senior member is deployed as Coordinator to look after each cell listed below:

List of Institutional Level Committees/Cells and its coordinators for 2024-25

Sl.No.	Name of the Cell	Name of the Coordinator
1	Internal Quality Assurance Cell	Sri P.Srikanth, Asst.Prof, S & H
2	Student Activity Cell	Sri N.Anil Kumar, Assoc.Prof, CSE
3	Student Counseling /Grievances Redressal Cell	Sri D.Adithya Kumar, Assoc.Prof CSS
4	Discipline Cell	Sri B.Srinivasa Rao , S&H
5	Women Empowerment /Grievance Cell	Mrs.K.Bhavani, Asst.Prof S&H
6	Internal Complaints Cell	Sri D.Adithya Kumar, Assoc.Prof CSS
7	Training & Placement& Career Guidance Cell	Sri D.Adithya Kumar, Assoc.Prof, CSS
8	Examinations/Admissions	Sri M.L.L.Phanikanth, Asst.Prof, S&H
9	NSS Cell	Sri N.Anil Kumar, Assoc.Prof, CSE
10	Sports & Games Cell	Sri D.Kiran babu, Asst.Prof Mech
11	E D C	Dr Abid ali, Prof Mechanical
12	Industry Institute Interaction Cell	Md Ameer Raza ,Asst.Prof,CSE
13	Alumni Coordination Cell	Dr. A.V.Raghuram, Assoc.Prof
14	Central Library & Information Centre	M. Prasanthi, Asst.Prof, CSE
15	Website/ICT/Internet Cell	Sri Md.Ahmed, Asst.Prof, CSE
16	Social Media	Sri M. Madhusudan Rao, Asst.Prof, CSE

17	R & D and Consultancy Cell	Dr A Chandra Suresh, Assoc.Prof, ECE
18	Professional Societies Coordination	Sri M.N.Vamsi Asst.prof CSE
20	Hostel Welfare Cell	Sri M S R Narayana AO
21	Canteen	N.Anil Kumar, Assoc.Prof, CSE
22	Housekeeping/Hygiene/Sanitation Cell	Sri M S R Narayana AO
23	Transport Cell	Sri D.Kiran Babu, Asst.Prof, Mech
24	Medical Assistance Cell	Sri K.Sukumar, Asst.Prof Mech
25	Electrical/Computer Network Maintenance Cell	Sri P.Srikanth , Asst.Prof ECE
26	Public Relations, Press & Media, Publications	Sri M S R Narayana AO
27	Students Welfare Cell (BC/SC/ST)	Sri D Sridhar, Assoc.Prof ECE
28	General Maintenance Cell	Sri K.Sai Sudheer, Asst.Prof ECE
29	Academic Advisory Body	Principal- Chairman
30	College Academic Cell	Principal- Chairman ,Dr Ch.S.Sailaja , Asst.Prof S&H
31	Right to Information Cell	Principal- Chairman, Sri S.V.C.Gupta, Professor, CSE
32	Faculty/Staff Grievance/Welfare Cell	Principal- Chairman, Sri P.V.Naresh , Asst.prof S&H
33	Anti Ragging Cell	Principal- Chairman, Sri P.V.Naresh , Asst.Prof S&H
34	Purchase/Stores Cell	Sri SVC Gupta, Professor CSE
35	Time Tables	Dr. G. Tejaswi, Assoc. Prof S & H
36	College Management system	Sri P.Ashok Kumar Asst Prof in CSE

GRIEVANCES REDRESSAL CELL

Management of the Cell:

Sl.No	Name of the Member	Position
1	**Sri D. Adithya Kumar, Assoc.Prof CSS**	**Coordinator**
2	Sri SK. Hidayatullah Asst Prof S&H	Member
3	Sri N Anil Kumar Assoc Prof CSE	Member
4	Smt D.Aruna Asst Prof, CSE	Member
5	Sri Ch Giriphani, Asst. Prof CIVIL	Member
6	Sri YRK Paramahamsa Asst Prof ECE	Member
7	Sri D. Kiran babu Asst Prof MECH	Member

Functions of the Cell:

1. The function of the cell is to look into the complaints lodged by any student, and judge its merit. The Grievance cell is also empowered to look into matters of harassment

2. Anyone with a genuine grievance may approach the department members in person, or in consultation with the class in-charge.

3. In case the person is unwilling to appear in self, grievances may be dropped in writing at the letterbox/ suggestion box of the Grievance Cell at Administrative Block. Grievances may also be sent through e-mail to the principal@sviet.edu.in or officer in-charge of Students' Grievance Cell.

4. The cases will be attended promptly on receipt of written grievances from the students. The Grievance Cell will act upon those cases which have been forwarded along with the necessary documents.

5. The Grievance Cell will assure that the grievance has been properly solved in a stipulated time limit provided by the cell

6. The cell formally will review all cases and will prepare statistical reports about the number of cases received. The cell will give report to the authority about the cases attended to and the number of pending cases, if any, which require direction and guidance from the higher authorities.

NATIONAL SERVICE SCHEME CELL

Management of the Cell:

S. No.	Name of the Member	Position
1	Mr.N.Anil Kumar, Assoc Professor ,CSE	NSS Programme Officer
2	Mr. M.Madhusudhan Rao, Asst Professor ,CSE	Member
3	Mr. G.Nancharaiah, Asst Professor ,CSE	Member
4	Mr. D.Sridhar, Assistant Professor ,ECE	Member
5	Ms. Ch.Anusha, Assistant Professor MECH	Member

Functions of the Cell:

1. Developing the civic and social responsibility.

2. Utilizing the knowledge in finding practical solutions to individual and community problems.

3. Developing the required competence to mingle with others and sharing the responsibilities.

4. Making to obtain the skills for mobilizing the community participation.

5. Preparing the students to acquire leadership qualities and democratic attitudes.

6. Developing the strengths to meet emergencies and natural disasters.

7. Create awareness among the public about the Government Schemes for their welfare.

ENTREPRENEUR DEVELOPMENT CELL

Management of the Cell:

S.No	Name of the Member	Position
1	Dr. Md Abid Ali, Assoc Prof, Mech	**Coordinator**
2	Dr. G Tejaswi, Assoc Prof, S & H	Member
3	Dr. Ch S Sailaja, Assoc Prof S & H	Member
4	Mr. K Venkateswara Rao, Asst Prof, CSE	Member
5	Ms. D Khyathimai, Asst Prof, Mech	Member
6	Mr. Md Umar, Asst Prof, Civil	Member

Functions of the Cell:

1. To develops entrepreneurship awareness among the students.

2. To organize skill development programs

3. To promote innovation creation and dissemination of new knowledge

4. To improve the managerial capabilities

5. Provide service, information and guidance to budding entrepreneurs.

6. Encourage non-corporate and unorganized sectors like education,rural development, small –scale industry etc.

WOMEN EMPOWERMENT CELL

Management of the Cell:

S.NO	Name of the Member	Position
1	Mrs. K. Bhavani, Asst. Professor, S&H	**Coordinator**
2	Mrs. P. Poornima, Asst. Professor, S&H	Member
3	Mrs. CH. Anusha, Asst. Professor , MECH	Member
4	Mrs. Reshma Sulthana, Asst. Professor, Civil	Member
5	Mrs. Shirisha, Asst. Professor, CSE	Member
6	Mrs. B. Pravalika, Asst. Professor, CSE	Member
7	Mrs. Sowmya Sree, Asst. Professor, ECE	Member
8	Mrs. S. Rajeswari, Asst. Professor, ECE	Member

Functions of the Cell:

1. To provide counseling and guidance to girl students on issues related to gender, harassment and violence.

2. To address and resolve complaints related to gender based issues such as harassment .violence or   discrimination.

3. To organize seminars and workshops to raise awareness and sensitize the college community on issues related to women empowerment.

4. To provide career guidance and counseling to female students to help them to make informed decisions about their academic and professional careers.

5. To conduct safety audits of the college campus to identify the areas that may be unsafe for female students.

6. To organize self defense training programs for female students.

R&D CONSULTANCY CELL

Management of the Cell:

S.No	Name of the Member	Position
1	Dr. A. Chandra Suresh, Assoc Prof, ECE	**Coordinator**
2	Dr. M. Samba Siva Rao, Assoc Prof CSE	Member
3	Mr. K. Sowmya Sree, Asst. Prof ECE	Member
4	Mr. M. Bala Krishna, Asst Prof Civil	Member
5	Mr. K. Sukumar, Asst Prof Mech	Member
6	Mr. B. Srinivasa Rao, Asst. Prof S & H	Member

Functions of the Cell:

1. Facilitate multiple research areas covering heterogeneous research areas.

2. Enhance the quality and qualitative research process.

3. Amplify collaborative research with leading enterprises and industries

4. Involve students in the research by vertical migration strategy.

5. Focus of research on societal problems

6. Encourage young researchers for lifelong learning

INTERNAL QUALITY ASSURANCE CELL

Management of the Cell:

S. No.	Name of the Member	Position
1	Sri P.Srikanth, Asst.Prof, S & H	**Coordinator**
2	Sri P V Naresh Asst Prof S&H	Member
3	Smt T. Veena , CSE Asst Prof	Member
4	Sri KVM Sriram, Asst professor CIVIL	Member
5	Sri D. Sridhar , ECE-Assoc. Prof	Member
6	Smt Ch. Anusha, MECH-Asst Prof	Member

Functions of the Cell:

1. Ensuring academic and administrative activities meet established quality benchmarks and parameters to enhance overall institutional excellence.

2. Raising awareness among stakeholders about the importance of quality aspects in education and institutional development.

3. Organizing discussions and forums to explore and implement various quality parameters for continuous improvement in the institution.

4. Formulating quality policies for teaching, learning, research, and organizing workshops to enhance quality in education.

5. Creating an environment that prioritizes learners needs and adopts knowledge and technology for successful teaching and learning.

6. Upholding excellence and fostering innovation through active teaching and learning, critical thinking, and holistic education.

STUDENT ACTIVITY CELL

Management of the Cell:

S. No.	Name of the Member	Position
1	Sri N.Anil Kumar, Assoc.Prof CSE	**Coordinator**
2	Sri D. Sridhar Assoc. Prof. ECE	Member
3	Smt. K Sowmya sri Asst. Prof. ECE	Member
4	Sri M. Madhusudhan Rao Asst. Prof CSE	Member
5	Sri G. Nancharaiah Asst. Prof. CSE	Member
6	Smt B. Indra Devi Asst. Prof. CSE	Member
7	Smt M Sruthi Madhuri, Asst. Prof Civil	Member
8	Smt. Ch. Anusha Asst. Prof. Mechanical	Member
9	Smt. B. Mounika Asst. Prof. S&H	Member
10	Sri Hidayatullah Asst. Prof. S&H	Member
11	Sri U. Eswarkrisnanadh Asst. Prof. S&H	Member

Functions of the Cell:

1. To make students understand different mindsets, Students Activity Cell encourages active participation in diverse activities and events, fostering empathy and broadening perspectives.
2. To equip students with essential monitoring skills, SAC provides hands-on experiences in overseeing various tasks and events, fostering accountability and cultivating a keen eye for detail.
3. To foster a culture of active student participation, Students Activity Cell encourages students to take part in organizing and actively participating in a diverse range of events.
4. To empower students and help them overcome stage fear, Students Activity Cell provides a nurturing environment that encourages self-expression, fosters confidence.

5. Promoting student engagement and collaboration in cultural and arts endeavors, fostering creativity and expression for a vibrant campus community.

6. To provide students with opportunities to showcase their talents and interests, fostering a vibrant and inclusive campus community through diverse activities and performances.

7. To make students sensitive to their own culture, SAC organizes events and activities that celebrate diverse traditions and heritage, fostering cultural understanding and pride.

8. To facilitate a smooth transition, Students Activity Cell promotes a welcoming atmosphere where students can easily adjust and build strong bonds with their college friends.

TRAINING, PLACEMENT AND CAREER GUIDANCE CELL

Management of the Cell:

S.NO	Name of the Member	Position
1	D Adithya Kumar, Associate Professor, S & H	**Coordinator**
2	V.Bala Krishna, Asst Professor-CIVIL	Faculty Member
3	D Kiran Babu, Asst Professor-Mech	Faculty Member
4	G Karuna, Asst Professor ECE	Faculty Member
5	L Lakshmi Asst. Prof. ECE	Faculty Member
6	Sk. Mohiddin Ahmed, Asst Professor-CSE	Faculty Member
7	K Divya, Asst Professor-CSE	Faculty Member

Functions of the Cell:

Training Cell:

1. Collects and maintains the students' database for the purpose of T&P activities.
2. Enables the training need analysis for all the students basing on the same, plans for imparting the necessary skills such as soft skills and technical skills.
3. Arranges for an interaction with industry and bridges the gap between Institute and industry.
4. Arranges the special sessions for providing the contemporary trends and developments in the technology and tools to the students.
5. The Training Cell conducts lectures on personality development, communication skills and conducts mock sessions for improving presentation skills.
6. Assists companies in the recruitment process by conducting interviews, group Discussions, Written tests etc. in the Campus.
7. Training given exclusively to the students for the MNCs.

Placement Cell:

8. Collects and maintains the students' database for the purpose of Placement activities.
9. Holds the responsibility for identifying placement opportunities across reputed Organizations.
10. Inviting the corporate companies to the College Campus for recruitments.
11. Coordinates with Training Head for identifying the training requirements related to Soft and communication skills.
12. Conducts Campus Drives with help of department coordinators and volunteers.

CAREER GUIDANCE Cell:

13. To give training and guidance to students on career related matters and assist them in Exploring new opportunities.
14. To organize Career guidance and motivational lectures by Alumni, entrepreneurs, External guests and faculty.
15. To display various job advertisement coming in employment news, opportunities and Career columns in leading news papers.

SPORTS & GAMES CELL

Management of the Cell:

S.NO	Name of the Member	Position
1	CH.Giri Phani Kumar, Asst. Professor Civil	**Coordinator**
2	N. Vinay Kumar, Asst. Professor Civil	Member
3	D.KiranBabu, Asst. Professor, ME	Member
4	N.Nagaraju, Asst. Professor, ECE	Member

5	S.Rajeswari, Asst. Professor, ECE	Member
6	Md.shamsheer, Asst. Professor CSE/AI&ML	Member
7	D Aruna, Asst. Professor CSE/AI&ML	Member
8	P.Purnima, Asst. Professor	Member
9	Dr.C.SalmonSudheer, Physical Director	Member
10	S.Rama Krishna, Physical Director	Member
11	T.Ramesh, Physical Director	Member

Functions of the Cell:

1. To encourage the students to participate very actively in organising and conducting various sports and games in the college.
2. To motivate the students to actively participate in various sports and games competitions outside the college.
3. To develop the spirit of sportsmanship among students.
4. To make the students aware about the benefits of physical exercise to maintain a good physical and mental health
5. To sort out any sports related issues.
6. To schedule events/planner for the academic year in consultation with the Student's representative and management.
7. To inculcate the value of keeping good health and mind by participating in lectures / seminars related to Sports & Games.
8. To develop students with a variety of activity that will enhance lifelong learning and participation
9. To promote physical excellence.
10. To develop individual/team skills.

10.1.3 Decentralization in working and grievanceredressal mechanism (10)

Institute Marks : 10.00

A. List the names of the faculty members who have been delagated powers for taking adminstrative decisions (1)

Decentralization in working and Grievance Redressal mechanism

Decentralization in Working

The institution vision and mission as well as the decisions of the Governing Body are implemented by the Principal with the help of various Heads of Departments, Committee Coordinators for which the details are given as below.

10.1.3.1 Names of HODs of all Departments.

S No	Name of the HoD / Dean	Department / Area
1	Dr. G Syam Prasad	CSE
2	Dr. A Chandra Suresh	ECE
3	Dr. Md Abid Ali	ME
4	Mr. Ch Giri Phani	CE
5	Dr. K N Swamy	B S & H

For ensuring participation of faculty, staff, students and other stakeholders, numbers of Committees MBA are constituted as indicated below:

Table 10.1.3.2: List of Institutional Level Committees/Cells and its coordinators for 2024-25

Sl. No.	Name of the Cell	Name of the Coordinator
1	Internal Quality Assurance Cell	Sri P.Srikanth, Asst.Prof, S & H
2	Student Activity Cell	Sri N.Anil Kumar, Assoc.Prof, CSE
3	Student Counseling /Grievances Redressal Cell	Sri D.Adithya Kumar, Assoc.Prof CSS
4	Discipline Cell	Sri B.Srinivasa Rao , S&H
5	Women Empowerment /Grievance Cell	Mrs.K.Bhavani, Asst.Prof S&H
6	Internal Complaints Cell	Sri D.Adithya Kumar, Assoc.Prof CSS
7	Training & Placement& Career Guidance Cell	Sri D.Adithya Kumar, Assoc.Prof, CSS
8	Examinations/Admissions	Sri M.L.L.Phanikanth, Asst.Prof, S&H
9	NSS Cell	Sri N.Anil Kumar, Assoc.Prof, CSE
10	Sports & Games Cell	Sri D.Kiran babu, Asst.Prof Mech
11	E D C	Dr Abid ali, Prof Mechanical
12	Industry Institute Interaction Cell	Md Ameer Raza ,Asst.Prof,CSE
13	Alumni Coordination Cell	Dr. A.V.Raghuram, Assoc.Prof
14	Central Library & Information Centre	M. Prasanthi, Asst.Prof, CSE
15	Website/ICT/Internet Cell	Sri Md.Ahmed, Asst.Prof, CSE
16	Social Media	Sri M. Madhusudan Rao, Asst.Prof, CSE
17	R & D and Consultancy Cell	Dr A Chandra Suresh, Assoc.Prof, ECE
18	Professional Societies Coordination	Sri M.N.Vamsi Asst.prof CSE
20	Hostel Welfare Cell	Sri M S R Narayana AO
21	Canteen	N.Anil Kumar, Assoc.Prof, CSE
22	Housekeeping/Hygiene/Sanitation Cell	Sri M S R Narayana AO

23	Transport Cell	Sri D.Kiran Babu, Asst.Prof, Mech
24	Medical Assistance Cell	Sri K.Sukumar, Asst.Prof Mech
25	Electrical/Computer Network Maintenance Cell	Sri P.Srikanth , Asst.Prof S & H
26	Public Relations, Press & Media, Publications	Sri M S R Narayana AO
27	Students Welfare Cell (BC/SC/ST)	Sri D Sridhar, Assoc.Prof ECE
28	General Maintenance Cell	Sri K.Sai Sudheer, Asst.Prof ECE
29	Academic Advisory Body	Principal- Chairman
30	College Academic Cell	Principal- Chairman ,Dr Ch.S.Sailaja , Asst.Prof S&H
31	Right to Information Cell	Principal- Chairman, Sri S.V.C.Gupta, Professor, CSE
32	Faculty/Staff Grievance/Welfare Cell	Principal- Chairman, Sri P.V.Naresh , Asst.prof S&H
33	Anti Ragging Cell	Principal- Chairman, Sri P.V.Naresh , Asst.Prof S&H
34	Purchase/Stores Cell	Sri SVC Gupta, Professor CSE
35	Time Tables	Dr. G. Tejaswi, Assoc. Prof S & H
36	College Management system	Sri P.Ashok Kumar Asst Prof in CSE

ANTI–RAGGING COMMITTEE

Functions:

1. To publicize to all students and relevant directives and the actions that can be taken against those indulging in Ragging. Constitute anti- ragging committees/squads to make surprise visits and takes effective steps prevent ragging.
2. Oversee the procedure of obtaining undertaking from the students in accordance with the provisions. Construct workshops against ragging menace and orient the students.
3. To Provide students the information pertaining to contact address and telephone numbers of the person(s) identified to receive complaints/distress calls. To take all necessary measures for prevention of ragging inside the campus/Hostels.

Composition & Committee Members:

a) Committee Composition:

- One senior faculty as coordinator.
- One Legal adviser
- One from Police Department
- All HODs and Senior faculty
- Two second year students
- Two first year students
- One parent of first year student

b) Committee Members:

Table 10.1.3.3.1: Anti-Ragging Committee and its members for the academic year 2024-25

Faculty Members:

S.NO	NAME	DESIGNATION & DEPARTMENT	POSITION
1.	Dr. B.R.S Reddy	Principal	Chairman
2.	Mr. B. Srinivasa Rao	Coordinator	B S &H
3.	Dr. D. Raja Ramesh	Vice Principal	Member
4.	Smt. Tadepalli. Syamala	Legal Expert	Member

5.	**Sri. G. Satyanarayana**	Sub-Inspector of Police	Member
6.	Mr.Ch. Giriphani Kumar	HoD CE	Member
7.	Dr Abid Ali	HoD MEC	Member
8.	Dr G. Syam prasad	HoD CSE	Member
9.	Dr A. Chandra Suresh	HoD ECE	Member
10.	Dr. K.N Swamy	HoD S&H	Member
11.	Mr. J. Venkatesh	Asst Prof, CE	Member
12.	Mr. D. Kiran babu	Asst Prof, ME	Member
13.	Mr. P. Srikanth	Asst Prof, S & H	Member
14.	Sri. Ch. Swathi	Asst Prof, CSE	Member
15.	Mr. M. Narayana	Administrative Officer	Member
16.	Mrs. Jhansi Priya	Hostel Warden	Member
17.	Dr. C. Salman sudheer	Physical Director	Member
18.	Mr. S. R.K. Parama Hasma	Physical Director	Member
19.	Mr. T. Ramesh	Physical Director	Member

c) Student Members:

S. No	Roll No	Name of the Student	Branch
1	23MQ1A05N8	R. Nagasai	II B.Tech CSE
2	24MQ5A0349	U. Pavan Kumar	II B.Tech ME
3	24MQ1A0411	CH. Raajitha	I B.Tech ECE
4	24MQ1A05I1	CH. Rakesh Babu	I B.Tech CSE

d) Parent Member:

S. No	Roll No	Name of the Student	Branch
1	24MQ1A05A5	P. Rajasekhar	Parent(F/O-24MQ1A05A5)

Roles &Responsibilities:

The Institute has set up an Anti-Ragging Committee under the leadership of the Head of the Institute to ensure that measures for prevention of ragging and monitoring mechanisms are in place. There are also provisions for actions to be taken against students for indulging in and abetting ragging.

1. Vigilant at all hours all around the campus and other places vulnerable to incidents of and having the potential of ragging and shall be empowered to inspect such places.
2. Make surprise raids at all places vulnerable to incidents along those that are having the potential for ragging.
3. Conduct an on-the-spot enquiry into any incident of ragging referred to it by the faculty or student or parent or guardian as the case may be, and submits the enquiry report along with recommendations to the Head of the Institution for immediate action.
4. Ensure the display of Anti-Ragging posters on Institutional and departmental Notice Boards and other prominent places of students" movements.
5. Ensure measures to see that Anti-Ragging Squad regularly makes rounds in the campus to effectively monitor the students behavior in the campus.
6. Offer services of counseling and create awareness to the students on the impacts and consequences of Ragging.
7. Set up a Suggestion Box and place it in the college to help the students to drop complaints or any kind of problems.
8. Initiate timely action against students violating/erring the Anti-Ragging Policy.
9. Sensitize students about the evils of ragging and its prevention in the Campus by organizing Awareness talks/ programmes.
10. Address complaints about ragging as per the Govt. and University procedures.
11. Maintain the records and file all the activities conducted and submit the same to the IQAC Committee

Year Planner for the Academic Year2024-25

Table10.1.3.3.2 Year planner of Ant-Ragging Committee for academic year 2024– 25

S. No.	Name of the Event	Date/dates	Name of the Organization	Department
1.	Awareness Programme On Ragging menace	August1nd week.	Police Department	I & II B Tech Students
2.	Personality Development Programme	JAN3rd Week	Motivational speaker	I & II B Tech Students

Events/Activities Organized for the AcademicYear2024-25(CAYm1)

Table10.1.3.3.3 Events/Activities Organized by Anti-Ragging Committee for Academic Year2024–25

S. No.	Name of the Faculty	Area/Topic	Resource Person	Course/Class	Date	No. of Participants
1.	Mr. B. Srinivasa Rao	Awareness Programme on Ragging Laws	Sri. N.V RAMANJANEYULU, Addl. Superintendent of Police, Krishna Dist. AP	I & II B Tech Students	08/08/2024	450
2.	Mr. N. Anil Kumar	Personality Development Programme	Swamy Atma Shraddhananda Ramakrishna Mission, Kanpur	I & II B Tech Students	09/01/2025	255

Image Gallery:

Awareness Programme on Ragging Laws

Student Counseling Cell:

Functions of Cell

1. The function of the cell is to look into the complaints lodged by any student, and judge its merit. The Grievance cell is also empowered to look into matters of harassment.

2. Anyone with a genuine grievance may approach the department members in person, or in consultation with the class in-charge.

3. In case the person is unwilling to appear in self, grievances may be dropped in writing at the letterbox/ suggestion box of the Grievance Cell at Administrative Block. Grievances may also be sent through e-mail to the principal@sviet.edu.in or officer in-charge of Students' Grievance Cell.

4. The cases will be attended promptly on receipt of written grievances from the students. The Grievance Cell will act upon those cases which have been forwarded along with the necessary documents.

5. The Grievance Cell will assure that the grievance has been properly solved in a stipulated time limit provided by the cell.

6. The cell formally will review all cases and will prepare statistical reports about the number of cases received. The cell will give report to the authority about the cases attended to and the number of pending cases, if any, which require direction and guidance from the higher authorities.

Facilities of the Cell

1. Seminar Hall (B1-114) with seating capacity of 200 to conduct Interactive sessions

2. One room (B1-007) for lodging complaints

3. One computer with printer.

4. If any person is unwilling to appear in self, grievances may be dropped in writing at the letterbox/ suggestion box of the Grievance Cell across the institute.

5. Medical facility.

6. Grievances may also be sent through e-mail to the officer in-charge of Students "Grievance Cell".

Management – Composition & Committee Members:

Committee Composition:

One senior faculty will act as Coordinator; faculty members were identified and appointed as members of their respective departments.

Committee Members

All the committee members were chalk out a plan of action and make sure that all the activities are going smooth Committee Members

S.No.	Name	Designation	Department	Role
1	Mr. D. Adithya Kumar	Assoc. Professor	CSS	Coordinator
2	Mr. SK. Hiadatullah	Asst. Professor	S&H	Member
3	Mr. N Anil Kumar	Associate Professor	CSE	Member
4	Mrs. D. Aruna	Asst Professor	CSE	Member
5	Mr. Ch Giriphani	Asst Professor	CIVIL	Member
6	Mr. Y Paramahamsa	Asst Professor	ECE	Member
7	Mr. D. Kiran babu	Asst Professor	MECH	Member

ROLES AND RESPONSIBILITIES

Roles of the Coordinator

1. Arranges the meeting for the committee members periodically.

2. Maintains minutes for every meeting he had with committee members.

3. Make resolutions during gathering of committee members.

4. Provides environment for lodging the complaints from the student and others.

5. Considering the nature and depth of the grievances due inquiry is made by the members of the cell and through personal discussion the matter is solved. If anybody is found to be guilty for any kind of nuisance he or she is given punishment with due consideration with the principal. The nature of punishment, information to the police (if situation arises for so) and expelling from the college as per the rule of the institute.

6. Furnish report on grievance redressal position to the principal.

Roles of the Faculty Member

1. The responsibility of the faculty member of a grievance redressal cell is to discuss about grievances lodged by the students and others.

2. The grievance Redressal cell expects that grievance Redressal be time bound and result oriented. Every grievance is expected to be resolved within a reasonably period.

3. The grievance redressal cell of the college shall monitor status and progress of grievance redressal and shall furnish report on grievance redressal position to the Co-ordinator.

Roles of the Student Member

1. In case of any grievance the members of the cell are empowered to sort out the problems at their level through discussion with students.

2. In case the members fail to find out any solution then the matter is referred to the principal for final commitment on the matter.

B. Specify the mechanis, and composition of Grievance Redressal Cell (3)

Grievance Redressal Cell

Functions:

1. To provide counseling and guidance to girl students on issues related to gender, harassment and violence

2. To address and resolve complaints related to gender based issues such as harassment .violence or discrimination

3. To organize seminars and workshops to raise awareness and sensitize the college community on issues related to women empowerment

4. To provide career guidance and counseling to female students to help them to make informed decisions about their academic and professional careers.

5. To conduct safety audits of the college campus to identify the areas that may be unsafe for female students

6. To organize self defense training programs for female students

Management – Composition & Committee Members:

a) Committee Composition

The composition of the committee comprises

1. One Coordinator for all the members.

2. One Faculty member from Science & Humanities

3. One faculty member and two students from Department of Civil Engineering.

4. Two faculty members and two students from Department of Electronics and Communications Engineering.

5. Two faculty members and Four students from Department of Computer Science Engineering.

6. One faculty member from Department of Mechanical Engineering

b) Committee Members

S.NO	NAME	DESIGNATION & DEPARTMENT	POSITION
1	Mrs. K. Bhavani	Asst. Professor, S&H	Coordinator
2	Mrs. P. Poornima	Asst. Professor, S&H	Member
3	Mrs. CH. Anusha	Asst. Professor , MECH	Member
4	Mrs. Reshma Sulthana	Asst. Professor, Civil	Member
5	Mrs. P. Sirisha	Asst. Professor, CSE	Member
6	Mrs. M. Pravallika	Asst. Professor, CSE	Member
7	Mrs. K. Sowmya Sri	Asst. Professor, ECE	Member
8	Mrs. S. Rajeswari	Asst. Professor, ECE	Member
9	CH. Seha Sai Srija	21MQ1A0453	Student Member
10	P. Bindu pavani	22MQ1A0436	Student Member
11	G. Sowjanaya	22MQ1A0571	Student Member
12	Lavanya	22MQ1A4244	Student Member
14	K. Bhavana Sri	22MQ1A05F1	Student Member
15	V. Lahari	23MQ1A0506	Student Member
16	A Priyanka	24MQ5A0101	Student Member
17	Ch Sravani	24MQ5A0103	Student Member

ROLES & RESPONSIBILITIES OF COMMITTEE MEMBERS

A. Coordinator

1. To organize seminars to conduct to Develop & implement programs that promote womens empowerment & gender sensivity.

2. To Organize workshop, seminars on issues like gender equality, legal right & self-defense.

3. Ensure a safe & secure environment for girl students in the college.

4. Conduct gender sensitization programs for girls students

5. Maintain records of activities conducted by the women empowerment cell.

B. Faculty Member

1. Conduct lectures and discussions on gender equality, women rights, and related social issues.

2. Act as a mentor to female students providing academic and professional guidance

C. Student Member

1. Representing student concerns relates to gender issues

2. Attending training sessions on women s rights ,digital safety and mental health

3. Learning from guest lectures and panel discussions by successful women leaders

Year Planner for the Academic Year 2024-25 (CAY)

S.NO	NAME OF THE ACTIVITY	Tentative date
1	Self Defence classes	30-07-2024

2	Orientation Programme on WEC	06-08-2024
3	Mentoring to the Girls student	30-9-2024
4	Rangoli competitions	11-01-2025
5	Yoga classes	06-03-2025
6	Women's day celebrations	07-03-2024

Events / Activities Organized for the Academic Year 2024-25 (CAY)

S.NO	NAME OF THE ACTIVITY	Conducted date
1	Self Defence classes	30-07-2024
2	Orientation Programme on WEC	06-08-2024
4	Rangoli competitions	11-01-2025
5	Yoga classes	06-03-2025
6	Women's day celebrations	07-03-2025

Events / Activities Organized for the Academic Year 2023-24 (CAYm1)

S.NO	NAME OF THE ACTIVITY	Conducted date
1	Awareness on WEC	11-10-2023
2	Rangoli competitions	11-01-2024
3	Self Defence classes	02-02-2024
4	Women's day celebrations-competitions	08-03-2024

C. Action taken report as per specified mechanism and composition of groevance redressal cell (7)

Grievances Received and Resolved

Table 10.1.3.5.3 Received Grievances Resolved by Student Counselling Committee during assessment period

Academic Year	No of Applications Received	No of Grievances Resolved	Minimum Time of Redressal	Avg Time of Redressal
2024-25	12	11	2 Days	4 Days
2023-24	16	10	2 Days	4 Days
2022-23	10	8	2 Days	6 Days
2021-22	10	10	2 Days	5 Days

10.1.4 Delegation of financial powers (10)

Institute Marks : 10.00
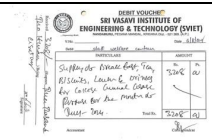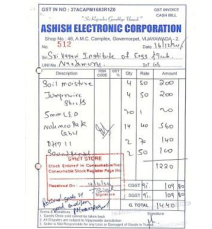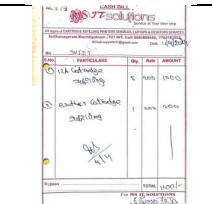
A. Financial Powers delegated to the Principal, Heads of Department and relevant in-charges (3)

In accordance with the Institution Rules and the management has agreed to delegate the following financial powers to the Principal and Head of the Departments to facilitate them.

Table 10.1.4.1 Delegation of financial power to Principal, HoD"s, Controller of Examinations & Committee Coordinator.

S.No	Designation	Financial Power	Purpose
1	Principal	Rs. 1,00,000/-	To purchase consumables, Stationery, Expenditure connected with the conduct of Seminars, Workshops and other petty contingent expenditure connected with academic activity
2	HOD	Rs. 20,000/-	To purchase consumables and other petty Contingent Expenditure.
3	Controller of Examinations	20,000/-	To purchase consumables, Stationery and other petty contingent expenditure
4	Committee Coordinator	Rs.5,000/-	Towards event planning

B. Demonistrate the utilization of financial powers for each of the Assessment Years (7)

Sample Utilization of Impressed Amounts

S. No	Category	Purpose	Sample Voucher/Bill
1	Principal	Staff Meeting Refreshements	
2	Head of the Department	Lab Consumables by ECE Department	
3	Control of Examination	Stationary	

4	Cell Coordinator	Sports & Games Cell Consumables	

10.1.5 Transparency and availability of correct/unambiguous information in public domain (5)   Institute Marks : 5.00

  A. Information on the Policies, rules, process is to be made available on website (2)

  B. Dissemination of the information about student, faculty and staff (3)

The institution communicated its quality assurance policies, mechanisms and outcomes through college magazine, newsletters, publications and website. The entire information about the institution is transparent to all stake holders and is available at website: www.sviet.edu.in (http://www.sviet.edu.in/) is available with total transparency of information including circulars, AICTE Compliance Report, events in the Institute, placements, exams and academic calendar etc.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)   Total Marks 30.00

Summary of currentfinancial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years   :

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

CFY : (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2024-25

Total Income 117599250				Actual expenditure(till…): 117234067			Total No. Of Students 1707
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
111562292	0	0	6036958	109093285	8140782		68678.42

Table 2 - CFYm1 2023-24

Total Income 104364583				Actual expenditure(till…): 104014069			Total No. Of Students 1568
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
98481854	0	0	5882729	96856933	7157136		66335.50

Table 3 - CFYm2 2022-23

Total Income 95907976				Actual expenditure(till…): 101902817			Total No. Of Students 1368
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
93015217	0	0	2892759	93760037	8142780		74490.36

Table 4 - CFYm3 2021-22

Total Income 96291542				Actual expenditure(till…): 96291542			Total No. Of Students 1319
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
93693024	0	0	2598518	89521343	6770199		73003.44

Items	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Infrastructure Built-Up	1350000	1279822	1470000	1467312	2400000	2395149	1400000	1376818
Library	1500000	1403907	1430000	1426664	1175000	1163594	1275000	1273231
Laboratory equipment	4965000	4936410	3870000	3824594	4217000	4198541	3585000	3569931
Laboratory consumables	6035000	6007514	4450000	4403175	4125000	4095612	3522000	3452122

Teaching and non-teaching staff salary	57000000	56429958	50000000	49572630	44250000	44201979	48500000	48345120
Maintenance and spares	19720000	19624835	15990000	15917073	21175000	21010431	16195000	16107078
R&D	1965000	1924550	1885000	1865230	1580000	1549090	1840000	1823450
Training and Travel	595000	576220	1035000	1003200	1505000	1490430	1215000	1191645
	435000	422476	665000	646826	478000	451990	600000	572329
Others, specify	25000000	24628375	24000000	23887365	21350000	21346001	18600000	18579818
Total	**118565000**	**117234067**	**104795000**	**104014069**	**102255000**	**101902817**	**96732000**	**96291542**

10.2.1 Adequacy of budget allocation (10)   Institute Marks : 10.00

A. Quantum of Budget Allocation for Three Years (5)

B. Justification of Budget allocated for Three Years (5)

The yearly budget is prepared according to the needs & requirements of the departments taking into consideration of annual intake of students, laboratory & infrastructure developments, Students, faculty &staff requirements and promotions and latest technologies etc. Various departments submit the annual budget to principal. On receipt of such proposals, Principal, in consultation with departmental HODs, prepares a consolidated proposal. After deliberations, formal budget made altered in departments and forwarded to Principal for preparing final budget at college level and submit it to the Governing Body for approval and sanction. The Management is approving almost 100% which was proposed by the institute. The budget allocation and utilization for the last three years is adequate. All the expenditure needs prior approval from the competent authority. Funds would be spent only from the approved budget. If funds are required for expenses not mentioned in the proposal, management's approval is a must.

Table 10.2.1.1 Adequacy of budget allocation during assessment period.

S.No	Financial Year	Proposed Budget in Lakhs	Allocated Budget in Lakhs	Utilized Budget in Lakhs	Adequate /Non Adequate
1	2024-25	1185.65	1180.00	1172.34	Adequate
2	2023-24	1047.95	1040.70	1040.14	Adequate
3	2022-23	1022.55	1020.00	1019.02	Adequate
4	2021-22	967.32	965.00	962.91	Adequate

10.2.2 Utilization of allocated funds (15)   Institute Marks : 15.00

A. Budget utilization for three years (15)

The funds are utilized by the Principal, Heads, and Finance Committee as per the allocation. Any additional fund requirements, beyond budget allocations are approved by the Management.

S.No	Financial Year	Proposed Budget in Lakhs	Allocated Budget in Lakhs	Utilized Budget in Lakhs	% Budget Utilization
1	2024-25	1185.65	1180.00	1172.34	**99.35**
2	2023-24	1047.95	1040.70	1040.14	**99.95**
3	2022-23	1022.55	1020.00	1019.02	**99.90**
4	2021-22	967.32	965.00	962.91	**99.78**

Table 1–CFY 2024-25

Total Income : 117,599,250				Actual Expenditure (till..) : 117,234,067			Total No. of Students: 1707
FEE	GOVT.	GRANTS	Other sources (specify)	Recurring	Non Recurring	Special Projects/ Anyother , specify	Expenditure per Student
111,562,292	0	0	6,036,958	109,093,285	8,140,782	--	**68,678.42**

Table 2–CFY m1 2023-24

Total Income : 104,364,583				Actual Expenditure (till..) : 104,014,069			Total No. of Students: 1568
FEE	GOVT.	GRANTS	Other sources (specify)	Recurring	Non Recurring	Special Projects/ Anyother , specify	Expenditure per Student
98,481,854	0	0	5,882,729	96,856,933	7,157,136	-	**66,335.50**

Table 3–CFY m2 2022-23

Total Income : 95,907,976				Actual Expenditure (till..) : 101,902,817			Total No. of Students: 1368
FEE	GOVT.	GRANTS	Other sources (specify)	Recurring	Non Recurring	Special Projects/ Anyother , specify	Expenditure per Student
93,015,217	0	0	2,892,759	93,760,037	8,142,780	-	**74,490.36**

Table 4–CFY m3 2021-22

Total Income : 96,291,542.00				Actual Expenditure (till..) : 96,291,542.00			Total No. of Students: 1319
FEE	GOVT.	GRANTS	Other sources (specify)	Recurring	Non Recurring	Special Projects/ Anyother , specify	Expenditure per Student
93,693,024	0	0	2,598,518	89,521,343	6,770,199	-	**73,003.44**

ITEMS	BUDGETED IN 2024-25	ACTUAL EXPENSES IN 2024-25 TILL	BUDGETED IN 2023-24	ACTUAL EXPENSES IN 2023-24 TILL	BUDGETED IN 2022-23	ACTUAL EXPENSES IN 2022-23 TILL	BUDGETED IN 2021-22	ACTUAL EXPENSES IN 2021-22 TILL
Infrastructure Built-Up	1,350,000	1,279,822	1,470,000	1,467,312	2,400,000	2,395,149	1,400,000	1,376,818
Library	1,500,000	1,403,907	1,430,000	1,426,664	1,175,000	1,163,594	1,275,000	1,273,231
Laboratory equipment	4,965,000	4,936,410	3,870,000	3,824,594	4,217,000	4,198,541	3,585,000	3,569,931
Laboratory consumables	6,035,000	6,007,514	4,450,000	4,403,175	4,125,000	4,095,612	3,522,000	3,452,122
Teaching and non-teaching staff	57,000,000	56,429,958	50,000,000	49,572,630	44,250,000	44,201,979	48,500,000	48,345,120
Maintenance and spares	19,720,000	19,624,835	15,990,000	15,917,073	21,175,000	21,010,431	16,195,000	16,107,078
R&D	1,965,000	1,924,550	1,885,000	1,865,230	1,580,000	1,549,090	1,840,000	1,823,450
Training and Travel	595,000	576,220	1,035,000	1,003,200	1,505,000	1,490,430	1,215,000	1,191,645
Miscellaneous Expenses	435,000	422,476	665,000	646,826	478,000	451,990	600,000	572,329
Other, specify	25,000,000	24,628,375	24,000,000	23,887,365	21,350,000	21,346,001	18,600,000	18,579,818
TOTAL	118,565,000	117,234,067	104,795,000	104,014,069	102,255,000	101,902,817	96,732,000	96,291,542

10.2.3 Availability of the audited statements on the institute's website (5)   Institute Marks : 5.00

A. Availability of the audited statements on the institute's website (5)

https://www.sviet.edu.in/wp-content/uploads/2025/04/Sviet_Audit_Statement_2021-2022.pdf (https://www.sviet.edu.in/wp-content/uploads/2025/04/Sviet_Audit_Statement_2021-2022.pdf)

https://www.sviet.edu.in/wp-content/uploads/2025/04/Sviet_Audit_Statement_2022-2023.pdf (https://www.sviet.edu.in/wp-content/uploads/2025/04/Sviet_Audit_Statement_2022-2023.pdf)

https://www.sviet.edu.in/wp-content/uploads/2025/04/Sviet_Audit_Statement_2023-2024.pdf (https://www.sviet.edu.in/wp-content/uploads/2025/04/Sviet_Audit_Statement_2023-2024.pdf)

https://www.sviet.edu.in/wp-content/uploads/2025/04/Sviet_Audit_Statement_2024-2025.pdf (https://www.sviet.edu.in/wp-content/uploads/2025/04/Sviet_Audit_Statement_2024-2025.pdf)

10.3 Program Specific Budget Allocation, Utilization (30)   Total Marks 30.00

Institute Marks :

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY: (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2024-25

9755000		Actual expenditure (till…): 9693660		Total No. Of Students 483
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
2165000	7590000	2158340	7535320	20069.69

Table 2 :: CFYm1 2023-24

8515000		Actual expenditure (till…): 8404922		Total No. Of Students 475
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
1805000	6710000	1749387	6655535	17694.57

Table 3 :: CFYm2 2022-23

10465000		Actual expenditure (till…): 10386954		Total No. Of Students 430
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
1900000	8565000	1884878	8502076	24155.71

Table 4 :: CFYm3 2021-22

9140000		Actual expenditure (till…): 9073385		Total No. Of Students 442
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
1940000	7200000	1927938	7145447	20528.02

Items	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Laboratory equipment	1400000	1396768	1200000	1158596	1320000	1319717	1200000	1196292
Software	220000	217020	30000	25750	80000	78238	125000	120603
Laboratory consumable	1700000	1699841	1350000	1333871	1300000	1287364	1200000	1156815
Maintenance and spares	5600000	5552896	4850000	4821817	6650000	6604155	5400000	5397519
R & D	545000	544552	575000	565041	500000	486923	615000	611043
Training and Travel	170000	163041	310000	303900	470000	468485	400000	399324

	120000	119542	200000	195947	145000	142072	200000	191789
Total	**9755000**	**9693660**	**8515000**	**8404922**	**10465000**	**10386954**	**9140000**	**9073385**

10.3.1 Adequacy of budget allocation (10)   Institute Marks : 10.00

A. Quantum of budget allocation for three years (5)

B. Justification of budget allocated for three years (5)

The allocated budget was used to meet the new facilities, equipment, replacement of out-dated equipment and new labs due to revision in syllabi. Budget requirements under recurring and non-recurring heads are collected from departments before the commencement of the financial year.

Allocations are made as per the availability of funds. Spending is monitored by the accounts section. The institution carefully monitors the expenses so that the necessities are met without affecting the smooth working of the institution. The finance committee has been very efficiently doing this over the past several years that the institution never had any serious budget crunch that affected the functioning of the college.

The sample table shows the details of adequacy of budget allocation for the last three years for the department of Electronics & Communication Engineering.

S.No	Financial Year	Proposed Budget in Lakhs	Allocation Budget in Lakhs	Utilized Budget in Lakhs	Adequate/Non Adequate
1	2024-25	97.55	97.20	96.93	Adequate
2	2023-24	85.15	84.70	84.04	Adequate
3	2022-23	104.65	104.20	103.86	Adequate
4	2021-22	91.40	91.55	90.73	Adequate

10.3.2 Utilization of allocated funds (20)   Institute Marks : 20.00

A. Budget utilization for three years (20)

Funds are allocated by the Management of the College. Department Heads are intimated of the extent of funds allocated against their budget proposals. Actions for procurement of lab equipment, up-gradation of existing lab facilities, purchase of consumables, etc. are initiated from the department and the funds are released on a case by case basis from the accounts office of the college on approval by the Management. During the last three years, the budget was utilized to meet expenses like purchase of equipment, expenses towards consumables and contingencies, etc. The Table shows the percentage of funds utilization for the last three years for the department of Electronics & Communication Engineering.

S.No	Financial Year	Proposed Budget in Lakhs	Allocated Budget in Lakhs	Utilized Budget in Lakhs	% Budget Utilization
1	2024-25	97.55	97.20	96.93	**99.73**
2	2023-24	85.15	84.70	84.04	**99.23**
3	2022-23	104.65	104.20	103.86	**99.68**
4	2021-22	91.40	91.55	90.73	**99.11**

Table1–CFY 2024-25

Total Income : 9755000		Actual Expenditure (till..) : 9693660		Total No. of Students: 483
Recurring	Non Recurring	Recurring	Non Recurring	Expenditure per Student
7590000	2165000	7535320	2158340	20069.69

Table 2–CFY m1 2023-24

Total Income : 8515000		Actual Expenditure (till..) 8404922		Total No. of Students:475
Recurring	Non Recurring	Recurring	Non Recurring	Expenditure per Student
6710000	1805000	6655535	1749387	17694.57

Table 3–CFY m2 2022-23

Total Income : 10465000	Actual Expenditure (till..) 10386954	Total No. of Students: 430

Recurring	Non Recurring	Recurring	Non Recurring	Expenditure per Student
8565000	1900000	8502076	1884878	24155.71

Table 4–CFY m3 2021-22

Total Income : 9140000		Actual Expenditure (till..) 9073385		Total No. of Students: 442
Recurring	Non Recurring	Recurring	Non Recurring	Expenditure per Student
7200000	1940000	7145447	1927938	20528.02

Table: 10.3.2.6:Headwise allocation& utilization of budget during assessment period

S.No	Items	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24	Budgeted in 2022-23	Actual Expenses in 2022-23	Budgeted in 2021-22	Actual Expenses in 2021-22
	Sri Vasavi Institute of Engineering & Technology								
	DEPARTMENT BUDGET –Electronics Communication & Engineering								
1	Laboratory equipment	1400000	1396768	1200000	1158596	1320000	1319717	1200000	1196292
2	Software	220000	217020	30000	25750	80000	78238	125000	120603
3	Laboratory consumable	1700000	1699841	1350000	1333871	1300000	1287364	1200000	1156815
4	Maintenance and spares	5600000	5552896	4850000	4821817	6650000	6604155	5400000	5397519
5	R & D	545000	544552	575000	565041	500000	486923	615000	611043
6	Training and Travel	170000	163041	310000	303900	470000	468485	400000	399324
7	Others	120000	119542	200000	195947	145000	142072	200000	191789
8	**Total**	9755000	9693660	8515000	8404922	10465000	10386954	9140000	9073385

10.4 Library and Internet (20)   Total Marks 20.00

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

Institute Marks : 10.00

A. Availability of relavent learning sources including e-resources and Digital Library (7)

Quality of Learning resources (hard/soft)

Library at SVIET has subscribed e-journals from various services providers such as DELNET, NDL, KNIMBUS. Elements which affect thequalityof journals include Reputation – ofthejournal and thepublisher, Scopeand focus of the journal, Turnaround time / publication lag, Longevity, Editorial standards / Journal information, Acceptance rate, Cost etc. SVIET Central Library and information Centre procured all quality journals maintaining time trusted values.

Library space and ambience, timings and usage, availability of a qualified librarian and other staff, Library Automation, online access, networking, etc.

Carpet area of library (Reading area-200sqm, Stack area-150sqm, Digital Library-80sqm, Others-20sqm)	450Sqm
Number of seats in reading space	150
Number of users visiting library per day	390Average
Number of users (issue book) per day	30Average
Number of users at digital library per day	35Average
Digital Library	20Systems
Number of library staff	3
Number of library staff with a degree in Library Management	2
Computerization for search, indexing	YES
Issue/return records Bar coding used	YES

Timings:

Working days	:	8:00 AM to 8:00 PM
Circulation Hours	:	9:00 AM to 6:00 PM
Xerox Timings	:	9:00 AM to 6:00 PM
Internet Timings	:	10:00 AM to 6:00 PM

Library compliance report

Table10.4.1.1: Library compliance report

S.No	Name of the Item	Available as on 22.03.2025
1.	Books–Titles	2,985
2.	Books–Volumes	22,370
3.	Print Journals	17/22=39
4.	e-Journals	DELNET, NDL, KNIMBUS
5.	Library management software	1
6.	Reading Room Seating Capacity	150
7.	DigitalLibrary	20

B. Accessibility to students (3)

DELNET e-Journals
- Engineering & Technology (911)
- Automobile Engineering (15)

- Computer Science (160)
- Construction & Infrastructure (79)
- Electrical and Electronic Engineering EEE (51)
- Electronics & Communication Engineering (41)
- Electrical and Nuclear Engineering (70)
- Hydraulic Engineering (44)
- General & Civil Engineering (115)
- Manufacturing (25)
- Industrial Engineering(46)
- Mechanical Engineering(40)
- Materials (36)
- Transportation Engineering(35)
- Technology(General)(65)
- Military Science (23)
- Chemical Engineering & Technology (46)
- Mining & Metallurgy (20)

List of Journals–Department wise

Table10.4.1.2: Details of department wise Journals

Department	Print Journals	Online Journals
Civil Engineering	04	229
Electrical & Electronics Engineering	04	121
Mechanical Engineering	06	206
Electronics & Communication Engineering	12	106
Computer Science & Engineering	13	160
Science & Humanities	--	89
TOTAL	**39**	**911**

PRINTED JOURNALS AND MAGAZINES

Table10.4.1.3: List of printed Journals and Magazines

S.No	Name of the Journals & Magazine
1	International Journal of Civil Engineering and Construction Technology
2	International Journal of Power Electronics and Technology
3	International Journal of Advanced in Thermal Science and Engineering
4	International Journal of Materials, Manufacturing and Optimization
5	International Journal of Electronics Engineering
6	International Journal of Embedded Systems and Computer Engineering (IJESCE)
7	International Journal of VLSI Design
8	International Journal of Microwave science And Technology
9	International Journal of Computer Engineering and Software Technology
10	International Journal of Multimedia, Computer Vision and Machine Learning (IJMCVML)
11	International Journal of Computer Engineering

12	International Journal of Computer Science and Information Technology
13	International Journal of Network and Mobile Technologies (IJNMT)
14	International Journal of Data Warehousing (IJDW)
15	International Journal of Advances in Civil Engineering
16	International Journal of Engineering under Uncertainty: Hazards, Assessment and Mitigation
17	International Journal of Electrical and Computer Engineering
18	International Journal of Innovations in Electrical Power Systems
19	International Journal of Production and Quality Engineering (IJPQE)
20	International Journal of Electronics and computers
21	International Journals of Nano, Science Nano engineering and Nano technology
22	Fuzzy Sets, Rough Sets and Multivalued Operations and Applications
23	Journal on Structural Engineering
24	Journal of Cloud Computing
25	Journal on Pattern Recognition
26	Journal on Electrical Engineering
27	Journal on Mechanical Engineering
28	Journal on Future Engineering and Technology
29	Journal on Embedded Systems
30	Journal of Power Electronics & Power Systems
31	Journal of Image Processing and Pattern Recognition Progress
32	Indian Journal of Mechanical Engineering and Research
33	Indian Journal of Surveying and Structural Engineering
34	IEEMA Journal
35	IETE Journal of Education
36	IETE Journal of Research
37	Current Science
38	The Institute of Indian Foundry men
39	Power Engineering Journal
40	Construction World
41	Electrical India
42	Electronics For You
43	Open Source For You
44	Down To Earth
45	India Today

46	Employment News
47	Competition Success Review
48	Dataquest
49	PC Quest
50	Science Reporter

E-JOURNALS

Table10.4.1.4: List of e-Journals

S. No	Name of the Journals & Magazines
1	Computerized Shape Analysis Of Erythrocytes And Their Formed Aggregates In Patients Infected With P.Vivax Malaria.
2	Construction of Community Web Directories based on Web usage Data
3	Controlled multimedia cloud architecture and advantages
4	Controlling the problem of Bloating using stepwise crossover and double mutation technique.
5	Cross Lingual Information Retrieval with SMT and Query Mining
6	Cyclic combination method for digital Image steganography with uniform distribution of message
7	Data load manifestation in process chains in sap business ware house
8	Data Security by Preprocessing the Text with Secret Hiding
9	Design and Implementation of an IP based authentication mechanism for Open Source Proxy Servers in Interception Mode.
10	Design, implementation and Characterization of XOR phase detector for DPLL in 45 nm CMOS technology
11	International Journal of Engineering and Geosciences
12	Self-Compacting Concrete Incorporating Micro- and Acrylic Polymer
13	Causes of Early Age Cracking on Concrete Bridge Deck Expansion Joint Repair Sections
14	Mobile Imaging and Computing for Intelligent Structural Damage Inspection
15	Drying Shrinkage Behaviour of Fibre Reinforced Concrete Incorporating Polyvinyl Alcohol Fibres and Fly Ash
16	Sensitivity Analysis of the Influence of Structural Parameters on Dynamic Behaviour of Highly Redundant Cable-Stayed Bridges
17	Structural Behavior and Design of Barrier-Overhang Connection in Concrete Bridge Superstructures Using AASHTO LRFD Method
18	Structural Health Monitoring of Civil Structures
19	Nutrient Release from Disturbance of Infiltration System Soils during Construction
20	Designing Intelligent Tutoring Systems: A Personalization Strategy using Case-Based Reasoning and Multi-Agent Systems

21	Nutrient Release from Disturbance of Infiltration System Soils during Construction
22	Designing of a Personality Based Emotional Decision Model for Generating Various Emotional Behavior of Social Robots
23	Detecting phishing attacks in Purchasing process through proactive approach
24	Development of mechanism for enhancing data security in quantum cryptography
25	Directional based watermarking Scheme using a novel data embedding approach
26	Distance transform based hand gestures Recognition for powerpoint presentation navigation
27	Do New Mobile Devices in Enterprises Pose A Serious Security Threat?
28	Dynamic allocation method for efficient Load balancing in virtual machines for cloud computing environment
29	Effect of Symlet Filter Order on De noising of Still Images
30	E-learning Platforms and E-learning Students: Building the Bridge to Success
31	A systematic review of the current state of collaborative mixed reality technologies
32	A systematic review of the current state of collaborative mixed reality technologies
33	Internet of Things for smart energy systems: A review on its applications, challenges and future trends
34	Mean-Field-Type Games in Engineering
35	Control techniques of switched reluctance motors in electric vehicle applications
36	Survey on security and privacy issues in cyber physical systems
37	A review on smart self-sensing composite materials for civil engineering applications
38	Modeling, Control, and Simulation of a Solar Hydrogen/Fuel Cell Hybrid Energy System for Grid-Connected Applications
39	Optimal Sizing of a Multi-Source Renewable Energy Energy System
40	Control techniques of switched reluctance motors in electric vehicle applications
41	Embedded Ph Data Acquisition And Logging
42	Empirical Studies on Machine Learning Based Text Classification Algorithms
43	Employing reverse polish notation in encryption
44	Energy efficient coverage problems in wireless ad hoc sensor networks
45	Enterprise Integration using Service Oriented Architecture
46	Ethics and Transparency Issues in Digital Platforms: An Overview
47	Explainable Artificial Intelligence (XAI): Concepts and Challenges in Healthcare
48	Exploiting Logical Structures to Reduce Quorum Sizes of Replicated Databases
49	Feature extraction methods for color image similarity
50	Anonymity and accountability in web based transactions
51	Carbon nanotubes agglomeration in reinforced composites

52	Temperature dependent mechanical properties of Mo–Si–B compounds via ab initio molecular dynamics
53	Rancang Bangun Pembuatan Mesin Pencacah Sampah Plastik Minimals
54	Aplikasi Cvt Pada Sepeda Motor Listrik (Semoli) Generasi 2
55	Fabrication Of Al/Al2o3 Fgm Rotating Disc
56	Emission And Combustion Characteristics Of Different Fuels In A Hcci Engine
57	Computational Fluid Dynamics Investigation On The Use Of Heat Shields For Thermal Management In A Car Underhood
58	Comparison Of Thermoelastic Results In Two Types Of Functionally Graded Brake Discs
59	Application of threshold techniques For readability improvement of jawi historical manuscript images.
60	Aspect-oriented software quality model: the AOSQ model.
61	Comparative performance analysis of RNSC and MCL algorithms on power-law distribution.
62	A Qualitative Acceleration Model Based on Intervals
63	A Survey for Load Balancing in Mobile WiMAX Networks.
64	Bi-LSTM based deep learning method for 5G signal detection and channel estimation
65	Collaboration for enhancing the systemDevelopment process in open source diligence
66	Gamma Ray Source Localization for Time Projection Chamber Telescopes Using Convolutional Neural Networks
67	Generating domain specific sentiment lexicons using the Web Directory
68	Gpgpu processing in cuda architecture
69	Graduate school cyber portfolio: the Innovative menu for sustainable development
70	Hand-Controller Latency and Aiming Accuracy in 6-DOF VR
71	Implementation of aes as a custom hardware using nios ii processor
72	Security Implementation through PCRE Signature over Cloud Network
73	Security Model For Service-Oriented Architecture
74	The Impact of the Rotor Slot Number on the Behaviour of the Induction Motor
75	Web mining – a catalyst for e-business
76	Security Model For Service-Oriented Architecture
77	Prediction of environmental indices of Iran wheat production using artificial neural networks
78	A Mutual Learning Framework for Pruned and Quantized Networks
79	Survey of Automatic Text Summarization Techniques & Algorithms
80	Electronic Evolution: Wearable Devices
81	A bandwidth enhanced multilayer electromagnetic bandgap structure to reduce the simultaneous switching noise

82	A Control Method for Balancing the SoC of Distributed Batteries in Islanded Converter-Interfaced Microgrids
83	A Dynamic Model for Direct and Indirect Matrix Converters
84	A hybrid IDM using wavelet transform for a synchronous generator-based RES with zero non-detection zone
85	An Improved Control Strategy for a Four-Leg Grid-Forming Power Converter under Unbalanced Load Conditions
86	Analysis andMinimization of the Oscillatory Currents in MultibranchThyristor-Switched Capacitors
87	Comprehensive Analysis and Experimental Validation of an Improved Mathematical Modeling of Photovoltaic Array
88	Control techniques of switched reluctance motors in electric vehicle applications: A review on torque ripple reduction strategies
89	Hybrid Control for Bidirectional Z-Source Inverter for Locomotives
90	A Comprehensive Review and a Taxonomy of Edge Machine Learning: Requirements, Paradigms, and Techniques
91	A General Machine Learning Model for Assessing Fruit Quality Using Deep Image Features
92	A new algorithm for cell tracking technique
93	How to improve software quality assurance in developing countries
94	Neural networks approach v/s Algorithmic approach : A study through pattern recognition
95	Privacy preserving through segment-based visual cryptography
96	Prospective benefits and criticalities of applying Semantic Web techniques in Software Engineering
97	Securing Authentication of TCP/IP Layer Two By Modifying Challenge-Handshake Authentication Protocol
98	The Effects on Cells Mobility Due to Exposure to EMF Radiation
99	Image content in location-based Shopping recommender systems for mobile users
100	How to improve software quality assurance in developing countries

10.4.2 Internet (10)   Institute Marks : 10.00

Name of the Internet provider	RAILTEL,BSNL
Available band width	RAILTEL :100MBPS ,BSNL :200 MBPS
WiFi availability	YES
Internet access in labs, classrooms, library and offices of all Departments	YES
Security arrangements	YES

Annexure I
(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

1. **Engineering Knowledge :** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)

PSO1	Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing.
PSO2	Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.
PSO3	Able to identify problems in the society and solve by designing projects.
PSO4	Able to improve personality development life skills and make them to be industry ready

Declaration

The head of the institution needs to make a declaration as per the format given -
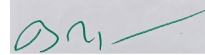
- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute
Name : Dr B Raja Srinivasa Reddy
Designation : Principal
Signature :

Seal of The Institution :

Place : Nandamuru
Date : 24-04-2025 15:30:17