

Sri Vasavi Institute of Engineering and Technology

Mechanical 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:

<input type="checkbox"/> University	<input type="checkbox"/> Autonomous
<input type="checkbox"/> Deemed University	<input checked="" type="checkbox"/> Affiliated
<input type="checkbox"/> Government Aided	

5 Ownership Status:

<input type="checkbox"/> Central Government	<input type="checkbox"/> Trust
<input type="checkbox"/> State Government	<input checked="" type="checkbox"/> Society
<input type="checkbox"/> Government Aided	<input type="checkbox"/> Section 25 Company
<input checked="" type="checkbox"/> Self financing	<input type="checkbox"/> 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
Mechanical Engineering	UG	2010	2010	60	No	60	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	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering and Technology- PG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering and Technology- Polytechnic	<input type="checkbox"/> Shift1	<input checked="" type="checkbox"/> Shift2
MBA	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MCA	<input type="checkbox"/> Shift1	<input type="checkbox"/> 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 technical 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
Mobile No.	9121214620
Email ID	principal@sviet.edu.in

☒ **NBA Coordinator, If Designated**

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

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	60	60.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	120	120.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	120	120.00
4	STUDENTS' PERFORMANCE	150	83.65
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	175.56
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	38.17
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	1000	898

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	<p>IM1: Provide the most creative learning environment for Technical Excellence of stakeholders</p> <p>IM2 : Promote industry-institute interaction for skill enhancement and to meet the industry needs</p> <p>IM3 : Create an environment to the stakeholders to be good citizens with integrity and morality.</p> <p>IM4 : Committed to improve technical excellence, ethical values continuously.</p>										
Vision of the Department	To become a global knowledge hub of mechanical engineering fulfilling the industry and society needs with ethical practices.										
Mission of the Department	<table> <tr> <th>Mission No.</th><th>Mission Statements</th></tr> <tr> <td>M1</td><td>Provide quality education for global requirements.</td></tr> <tr> <td>M2</td><td>Improve pedagogical methods employed in delivering the academic programmes.</td></tr> <tr> <td>M3</td><td>Enhance the knowledge, skill by industry- institution interaction</td></tr> <tr> <td>M4</td><td>Cultivate the spirit of entrepreneurship with the sense of ethical, professional responsibility</td></tr> </table>	Mission No.	Mission Statements	M1	Provide quality education for global requirements.	M2	Improve pedagogical methods employed in delivering the academic programmes.	M3	Enhance the knowledge, skill by industry- institution interaction	M4	Cultivate the spirit of entrepreneurship with the sense of ethical, professional responsibility
Mission No.	Mission Statements										
M1	Provide quality education for global requirements.										
M2	Improve pedagogical methods employed in delivering the academic programmes.										
M3	Enhance the knowledge, skill by industry- institution interaction										
M4	Cultivate the spirit of entrepreneurship with the sense of ethical, professional responsibility										

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

Total Marks 5.00

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements
PEO1	Get good job opportunities or pursue higher studies
PEO2	Exercise latest techniques to get solutions to industrial/engineering problems
PEO3	Gain the knowledge of other fields of engineering continuously to grab more opportunities
PEO4	Establish as entrepreneurs with continuously leaning, professionalism, managerial skills, social responsibilities and ethical practices.

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

Total 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/departement-of-mechanical-engineering/> (<https://www.sviet.edu.in/departement-of-mechanical-engineering/>))
- Department Brochure
- Department Magazine
- Department Newsletter
- Attendance Registers
- Course files
- Lab Manuals
- Lab Records
- Project Books

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

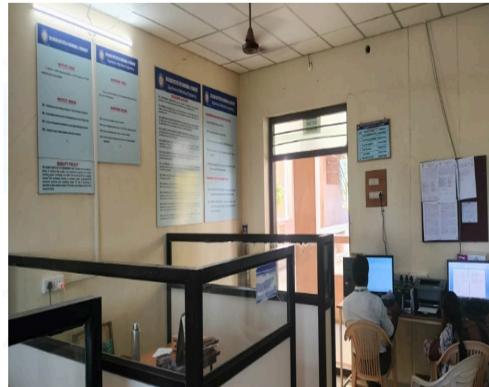
- HoD Room
- Faculty Rooms
- Department Library
- Department Corridors
- Department Notice Boards
- Classrooms
- Tutorial Room
- Department Laboratories



Notice Board



Class Room



Staff Room

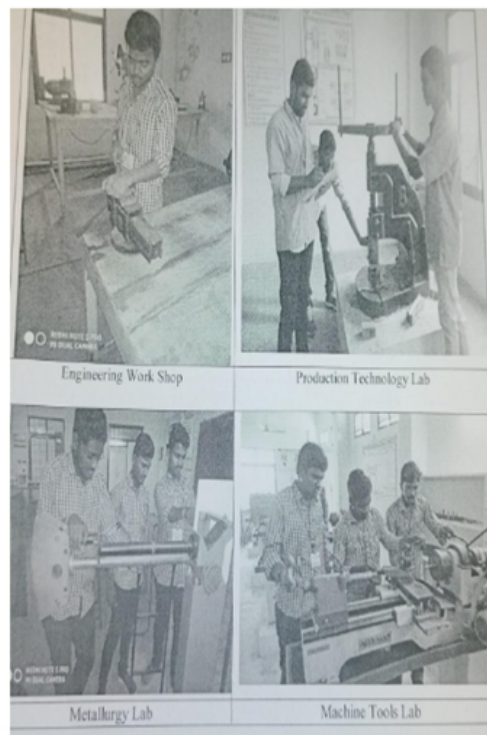


Table1.3.1: Display of Vision, Mission & PEOs to Stakeholders

Facility	Room Number(s)	Count
HoD Room	107	1
Faculty Room	109	1
Department Library	012	1
Department Corridors	First Floor	1
Department Notice Board	Staff Rooms ,All Labs	11
Classrooms	102, 111, 112	3
Tutorial Room	110	1
Laboratories	001, 002, 003, 004, 005, 101, 107, 201, 202	9

B. Process of dissemination among stakeholders (2)

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

- o Student Orientation Programs
- o Placement Drives
- o Alumni Meetings
- o Parent Meetings
- o Exit Students
- o Employers



Mechanical Engineering

About

Laboratories

Student Success Stories

Faculty

PGOs and PSOs

Students

Research

Laboratories

Teaching Learning

Advanced and Dilettantes

Teaching Methodologies

About Department

DEPARTMENT OF MECHANICAL ENGINEERING

About Mechanical Engineering

Mechanical Engineering is one of the core and oldest branch of Engineering. This branch has strong impact on Economy of the country in terms of Industrial growth. As India is a developing nation, the requirement of Mechanical Engineers increasing day after day. Keeping these points in view, the SVIET Has started Mechanical Engineering branch in the year 2010 with an intake of 60. The Department of Mechanical Engineering is well equipped with bloodline of the department and ensure high quality education to the students. The state-of-the-art Laboratories and the dedicated faculty with in-resolve, address the cognitive capacities as well as practical hands on workshop experience of students in fulfilling the ever more pressing needs of the Industries.

Vision

Empowering future engineers to innovate, design, and lead in the realm of mechanical engineering, while fostering a culture of excellence and ethical responsibility.

Mission

The Mechanical Engineering Department at Sri Vasavi in Madhalipattanam is dedicated to providing a transformative learning experience through rigorous education, cutting-edge research, and industry collaborations. We strive to nurture adaptable and socially conscious engineers who contribute to technological advancements and sustainable solutions for global challenges.

Program Educational Objectives(PEOs)

Graduates of Mechanical Engineering will be able to

PEO1: Get good job opportunities or pursue higher studies
PEO2: Exercise latest techniques to get solutions to industrial/engineering problems.
PEO3: Gain the knowledge of other fields of engineering continuously to grab more opportunities.
PEO4: Establish as entrepreneurs with continuously learning, professionalism, managerial skills, social responsibilities and ethical practices.

Goals

Long-Term Goals

>> Establish the department as an excellent academic center through expertise methods and modern laboratories.
>> Aim to achieve more number of research publications.
>> Recruit and retain high quality faculty members with interests in variety of areas of mechanical engineering.
>> Attain national recognition as an active engineering department.
>> To establish job oriented continuous training center for students collaborate with industry and other university in light of exchanging ideas.

Short-Term Goals

>> Produce 50% of students to be passed out with distinction.
>> Achieve 90% academic results.
>> Motivate the faculty to possess doctoral degree.
>> Effective measures to ensure that all supporting faculty possess diploma or degree by the year 2014.
>> Improve the leadership qualities of the faculty and students.
>> To establish Advanced PG courses.
>> Increase interaction and collaboration with industry- institute interaction.
>> Encouraging the faculty for the skill up gradation through attending seminars, conferences etc.
>> To encourage Research activities.

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

The Process which ensures awareness among internal and external stakeholders

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 Semester	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)

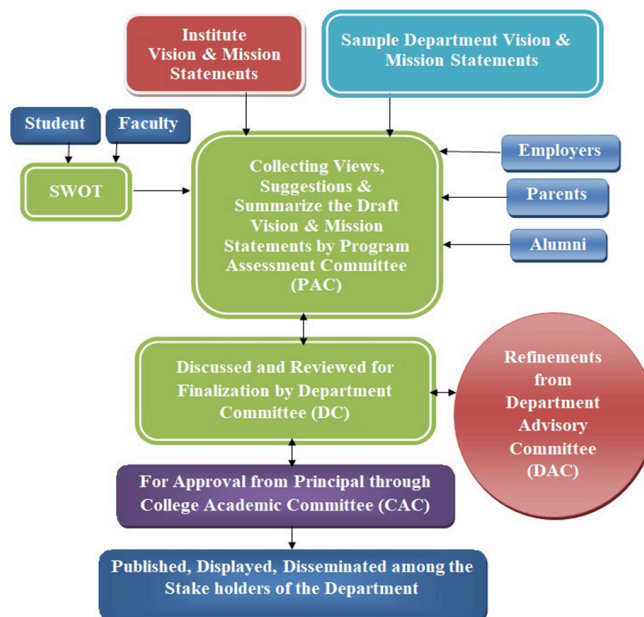
Total Marks 25.00

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 Vision & Mission statements 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

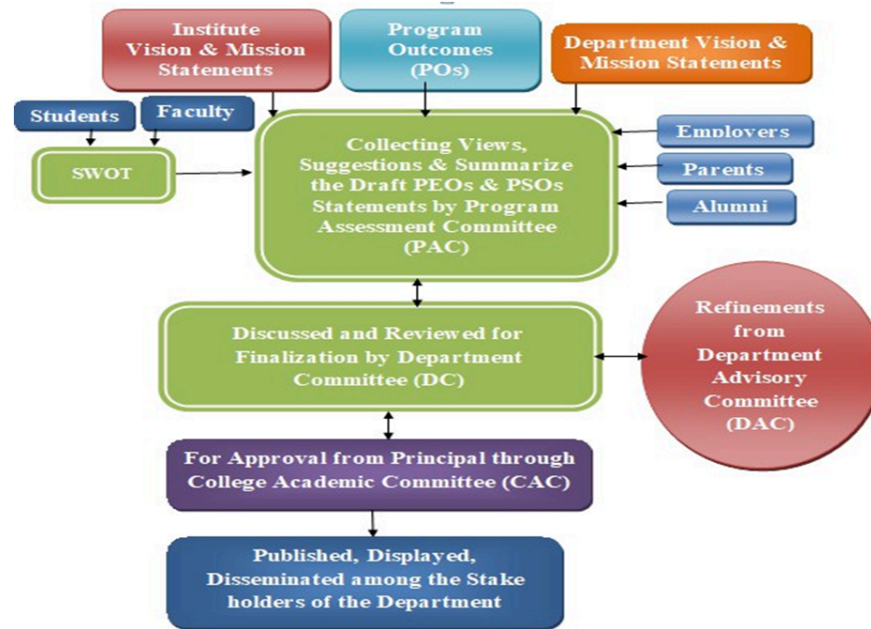


B. Description of process involved in defining the PEOs of the program (15)

Program Educational Objectives (PEOs) & PSOs Formation Procedure

- 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 improve the program.
- DC reviews and finalizes PEOs & PSOs statements, with the approval of principal through College Academic Committee (CAC).
- Department PEOs & PSOs were published, displayed & disseminated among stake holders.

PEOs Formation Process Chart



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

Total Marks 15.00

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

Table 1.5.1: PEOs mapping with department mission statements

PEO Statements	DM ₁	DM ₂	DM ₃	DM ₄
PEO1: Get good job opportunities or pursue higher studies.	3	2	3	2
PEO2: Exercise latest techniques to get solutions to industrial/engineering problems.	2	3	3	2
PEO3: Gain the knowledge of other fields of engineering continuously to grab more opportunities.	3	2	3	2
PEO4: Establish as entrepreneurs with continuously leaning, professionalism, managerial skills, social responsibilities and ethical practices.	2	2	2	3
Correlation Level: 3:High;2:Moderate; 1:Low				

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

PEO/DM	DM1	DM2	DM3	DM4
PEO1	Quality education provides good opportunities	Pedagogical methods moderately mapped to pursue higher studies	Knowledge and skill mapped to good job opportunities	Quality education moderately mapped to professional responsibility
PEO2	Quality education moderately mapped to industrial knowledge	Pedagogical methods mapped to latest techniques	latest methods mapped to gain of knowledge	Enterprenuership moderately mapped to engineering problems
PEO3	Quality education provides good knowledge	Pedagogical methods moderately mapped to gain of knowledge	industry- institution interaction highly mapped with good knowledge	Other fields of engineering knowledge moderately mapped to spirit of entrepreneurship
PEO4	Quality education moderately mapped with managerial skills	Pedagogical methods Moderately mapped to ethical practices	Enhance the knowledge is moderately mapped to continuous learning	Spirit of entrepreneurship is strongly mapped

PEO Statements	M1	M2	M3	M4
Get good job opportunities or pursue higher studies	3 ▾	2 ▾	3 ▾	2 ▾
Exercise latest techniques to get solutions to industrial/engineering problems	2 ▾	3 ▾	3 ▾	2 ▾
Gain the knowledge of other fields of engineering continuously to grab more opportunities	3 ▾	2 ▾	3 ▾	2 ▾
Establish as entrepreneurs with continuously leaning, professionalism, managerial skills, social responsibilities and ethical practices.	2 ▾	2 ▾	2 ▾	3 ▾

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 Annexure I. Also mention the identified curricular gaps, if any (10)

Institute Marks : 10.00

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

Our college adheres to curriculum and syllabi prescribed by JNTUK University, Kakinada. The syllabi comprise of multi-faceted courses covering theory, practical and presently implementing the regulations which are underway

Table. 2.1.1.1 Curriculum Regulation details

S.NO	BATCH	REGULATION	UNIVERSITY
1	2018-19	R16	JNTUK
2	2019-20	R19	
3	2020-21	R20	
4	2021-22	R20	
5	2022-23	R20	
6	2023-24	R23	AUTONOMOUS
7	2024-25	R23	

UNIVERSITY CURRICULUM R20 regulation :**A. Process used to identify extent of compliance of the University Curriculum for attaining the Program Outcomes and Program Specific Outcomes.**

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 ME 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:

Table 2.1.1.2 Category Wise CO's mapped

Category Wise CO's mapped		
Category	POs Mapped	Pso's
Basic Sciences	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO12	PSO1,PSO2
Humanities	PO1,PO2,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
Engineering Sciences & Inter disciplinary	PO1,PO2,PO3,PO5,PO7,PO9,PO10,PO12	PSO1,PSO2
Professional Core	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO10,PO12	PSO1,PSO2
Professional Elective	PO1,PO2,PO3,PO5,PO6,PO7,PO10,PO12	PSO1,PSO2
Open Elective	PO1,PO2,PO3,PO4,PO6,PO7,PO8,PO9,PO10,PO12	PSO1,PSO2
Project & Other(OT)	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
SOC	PO1,PO2,PO3,PO5,PO6,PO7,PO9,PO10,PO12	PSO1,PSO2
MC	PO1,PO3,PO7,PO8,PO9,PO10,PO12	PSO1,PSO2

Table 2.1.1.3 Analysis Sheet

Type of course	LH	Percentage of LH	P	Percentage of P	T	Percentage of T	No. of hours	Percentage of hours	Credits	Percentage of Credits
Basic Sciences	18	15.52	6	6.82	0	0	24	11.54	21	13.13
Humanities	6	5.17	6	6.82	0	0	12	5.77	10.5	6.56
Engineering Sciences & Inter disciplinary	17	14.66	14	15.91	0	0	31	14.90	24	15.00
Professional Core	36	31.03	30	34.09	0	0	66	31.73	51	31.88
Professional Elective	15	12.93	0	0.00	0	0	15	7.21	15	9.38
Open Elective	12	10.34	0	0.00	0	0	12	5.77	12	7.50
SOC	2	1.72	16	18.18	0	0	18	8.65	10	6.25
Project & Other(OT)	0	0.00	16	18.18	4	100	20	9.62	16.5	10.31
MC	10	8.62	0	0.00	0	0	10	4.81	00	0.00
Total	116	100	88	100	4	100	208	100	160	100

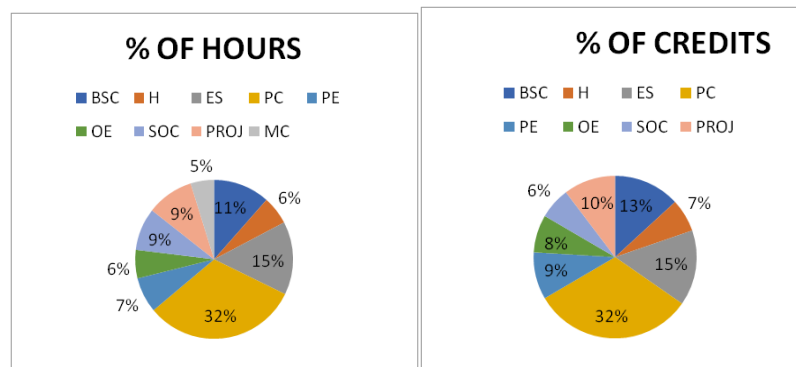
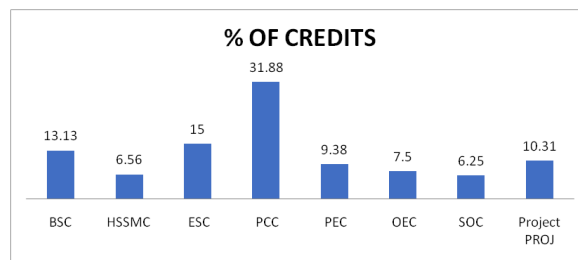


Fig. 2.1.1.1 % of Hours & % of Credits

Table 2.1.1.4 Comparison table for JNTU K Curriculum with AICTE Curriculum

JNTUK Curriculum							AICTE Curriculum				
Sl.No.	Course Type	No. of subjects	No.Of Hours	% Of Hours	Credits (160)	Credits in %	No of subjects	No.Of Hours	% Of Hours	AICTE Credits (160)	AICTE Credits in %
1	Basic Sciences (BS)	8	24	11.54	21	13.13	7	33	17.46	30	18.75
2	Engineering Sciences (ES)	10	31	14.90	24	15.00	7	34	17.98	27	16.88

3	Humanities and social sciences(H)	4	12	5.77	10.5	6.56	2	7	3.71	6	3.75
4	Professional Core (PC)	22	66	31.73	51	31.88	15	55	29.12	52	32.50
5	Professional Elective (PE)	5	15	7.21	15	9.38	6	18	9.52	18	11.25
6	Open Elective (OE)	4	12	5.77	12	7.50	4	12	6.34	12	7.50
7	Project & OT	3	20	9.62	16.5	10.31	4	30	15.87	15	9.38
8	Skill oriented Course SOC	5	18	8.65	10	6.25	0	0	0	0	0.00
9	Other MC	5	10	4.81	0	0.00	3	0	0	0	0.00
	Total	66	208	100	160	100	48	189	100	160	100

R20 CREDITS**Fig. 2.1.1.2 % of Credits for R20 Regulation****R19 REGULATION****Table 2.1.1.5 Variation in Percentages for R19 Regulation**

Course category	Total							
	L	% of L	T	% of T	P	% of P	C	% of C
Basic Sciences BSC	18	14.52	0	0	5	6.17	21	13.13
Humanities, Social Sciences and Management HSSMC	9	7.26	0	0	5	6.17	11.5	7.19
Engineering Sciences ESC	11	8.87	0	0	15	18.52	18.5	11.56
Program Core PCC	52	41.94	0	0	34	41.98	69	43.13
Program Elective PEC	18	14.52	0	0	0	0.00	18	11.25

Open Elective OEC	9	7.26	0	0	0	0.00	9	5.63
Project PROJ	0	0.00	0	0	22	27.16	13	8.13
Other MC	7	5.65	0	0	0	0.00	0	0.00
Total	124	100	0	100	81	100	160	100

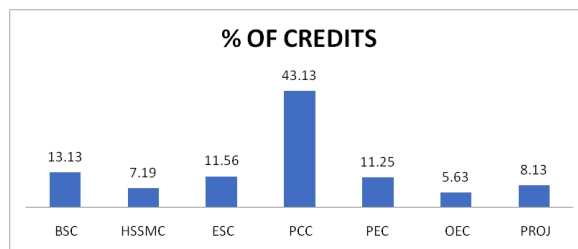


Fig. 2.1.1.3 % of Credits for R19 Regulation

R16 REGULATION**Table 2.1.1.6 Variation in Percentages for R16 Regulation**

Course category	Total							
	L	% of L	T	% of T	P	% of P	C	% of C
Basic Sciences BSC	20	11.49	0	0	6	10.53	19	10.56
Humanities, Social Sciences and Management HSSMC	20	11.49	0	0	6	10.53	19	10.56
Engineering Sciences ESC	16	9.20	0	0	9	15.79	18	10.00
Program Core PCC	102	58.62	6	42.86	34	59.65	100	55.56
Program Elective PEC	12	6.90	0	0	0	0.00	9	5.00
Open Elective OEC	4	2.30	0	0	0	0.00	3	1.67
Project PROJ	0	0.00	3	21.43	0	0.00	2	1.11
Seminar/Internship/Viva SEM	0	0.00	0	0	0	0.00	10	5.56
Other MC	0	0.00	5	35.71	2	3.51	0	0.00
Total	174	100	14	100	57	100	180	100

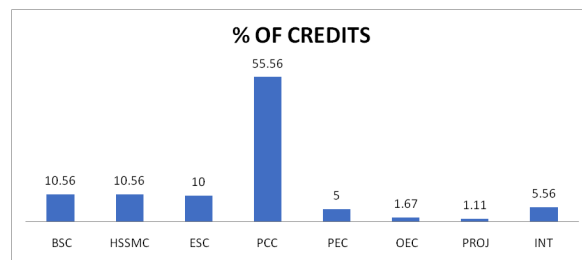


Fig. 2.1.1.4 % of Credits for R16 Regulation

ARTICULATION MATRIX

Table 2.1.1.7 ARTICULATION MATRIX for R20 Regulation

COURSE NAME	MAPPING LEVEL OF COS WITH POS													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2
C111(C&DE)	3	2										1		
C112(EP)	3	2		1.5					1					
C113(PPS)	2.75	2.5	2										2	
C114(CE)						1	1	1.5	1.7	2.5		2		
C115(ED)	3	2	1									1		
C116(EP LAB)	2	1		2	2				3					
C117(PPS LAB)	3	2.8	2.4										2	2
C118(ECS LAB)	1					1.3	1.5			2.3				
C119(ES)							3	2				1		
C121(LA&NM)	3	2										1		
C122(EC)	1.4	2	2			2	2							
C123(EM)	2.6	2.4			1.2							1.6	2	
C124(BEEE)	2.8	2.6	2									2.4	3	
C125(ED)	3	2	1									1		2
C126(WP LAB)	3	2							2	1		2		2
C127(EC LAB)	2	2				3	3							

C128(BEEE LAB)	3	2	1						2	2		3	3	2
C129(CI)								3	2	1		2		
C211(VCFT)	3	2										1		
C212(MOS)	2	3										1	3	2
C213(FMHM)	1	2.4	2.6	1						1			3	1
C214(PT)	3	2										1	3	2
C215(KOM)	3	2										1	3	2
C216(CAEDP)	2.2	1.67	1.3		3				2	1.6		1	3	2
C217(FM&HM LAB)	3	2							2	1		2	3	2
C218(PT LAB)	3	2	1									1.5	3	2
C219(D&M LAB)	2								2	1		2	3	2
C221(MSM)	3	2					1			1		1	2	3
C222(CVSM)	2	3										1		
C223(DOM)	3	2.6				1						1	2.8	2
C224(TE-I)	2.4	2.6	1	1.5			1.5					1	1	3
C225(IEM)	2.2	2.8				2					1.6		3	2
C226(MOS&M LAB)	2	3							2			1	3	2
C227(MD)	3	2	3									3	2	3
C228(TOM LAB)	2.6	2.4							2			1		2
C229(PP LAB)	2.2	2	1.6		2								2	1
C311(TE-II)	2	3											3	2
C312(DMM-I)	3	3	2.67							1		1	3	2
C313(MM&M)	3	2											3	2
C314(OR)	2.8	2.2	1									1	2	3
C315(AM)	2.3	2	1								1	2	3	
C316(MT LAB)	3	2							2			1		3
C317(TE LAB)	2	3	1.4		1	1	1		3				3	3
C318(ACS LAB)	1					1.33	1.5			2.25			1	
C319(PEHV)								3		2				
C3110(INTERNSHIP)	2.6	2.4	2.25	3	2	1		2	2.25	2.25	3	3		2.6
C321(HT)	2	3	1	1						1		1	2	3
C322(DMM-II)	1	2.6	2.4									1	3	2

C323(AIML)	2	2.2	1.8		2							2	3	
C324(AE)	2.6	1.75	1		2	1					1	3	1	
C325(IR)	2.8	2.2									1	2.8	2.2	
C326(HT LAB)	2.6	2	1.25		2.5	1	1.5				1	3	2	
C327(CAE&CAM LAB)	1	2	3					3				3	2	
C328(M&M LAB)	2.4	2						1			2	2	3	
C329(AIML LAB)	1.4	2	3		2								1	
C3210(RM&IPR)	2		1					3						
C411(UCMP)	3	2									1	3	2	
C412(PPC)	2.2	3							1			3	2	
C413(R&AC)	2.6	2.4					1				1	3	1	
C414(EM)			2		3	2.75	2.5	2.8	3	2.5		2	2	
C415(DM)	2			2	2	2.8	2.6	2			1	2.6	2	
C416(UHV)								3		2				
C417(MECH LAB)	3	2			2				2	3		1	3	
C418(INTERNSHIP)	2.6	2.4	2.25	3	2	1		2	2.25	2.25	3	3	2.6	
C421	3	3	2	2	1	1	1	2	3	3	2	2	3	
AVERAGE	2.42	2.28	1.76	1.89	1.98	1.55	1.72	2.39	2.16	1.75	1.93	1.48	2.57	2.17

Table 2.1.1.8 representing the target value of PO /PSO for R20 Regulation

Total	Average	90% of Avg
28.04	2.00	1.80

All POs are averaged, and we take 90% of the overall average as target and compare with individual Po Average to identify the gap, then the averages less than the overall 90% average is considered as a gap. PO 3,6,7,10,12 are less than the target. So we conduct events apart from curriculum to attain PO'S.

The Following are some of the events :

NSS: By encouraging students to enhance their leadership, organizational, and social skills NSS offers a platform for personal growth. Additionally, it tries to foster a spirit of volunteerism and foster a sense of social responsibility which is related to PO6,PO7,PO8, PO9,PO10 & PO12.

Training , Placement and Career Guidance Cell: By encouraging students to learn compulsory courses on English Language, seminars and group discussion as part of course curriculum help student in this dimension students are encouraged to participate in technical competitions right from the beginning of the course to acquire project management skills which is related to PO8 ,PO9, PO10 & PO12.

Student Activity Center(SAC): By encouraging students to actively participate in cultural activities so as to develop skills beyond reading and writing. They help students acquire new skills that can be applied to their lives, such as leadership, teamwork and collaboration which is related to PO8, PO9, PO10 & PO12.

Anti-Ragging Committee: It prohibits, prevent and eliminate the scourge of ragging including and conduct by any student whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined by any student which is related to PO8.

Sports Cell: It provides all the necessary facilities in the college. Encouraging student to plan and organize the cultural and sports activities in the college, on different occasions, by encouraging students for active participation in competitions at state and national level which is related to PO9& PO10.

Table 2.1.1.9 POs/PSOs Of all Courses:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CURRICULUM	2.42	2.28	1.76	1.89	1.98	1.55	1.72	2.39	2.16	1.75	1.93	1.48	2.57	2.17

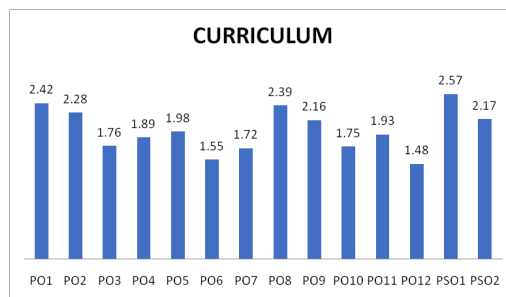


Fig. 2.1.1.5 Average values of POs for R20 Regulation courses

Table 2.2.1.10 ENGINEERING SUBJECTS-LAB PRACTICES

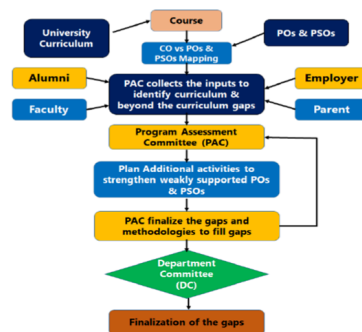
S.NO	COURSE WITH YEAR AND SEMESTER	LAB NAME WITH YEAR AND SEMESTER
1	FM&HM- Fluid Mechanics & Hydraulic Machines(II-I)	FM & HM LAB- Fluid Mechanics & Hydraulic Machines Lab(II-I)
2	PT -Production Technology(II-I)	PT LAB- Production Technology Lab(II-I)
3	TE-II -Thermal engineering-II(III-I)	TE LAB-Thermal Engineering Lab(III-I)
4	MMM-Machining, Machine Tool &Metrology (III-I)	MT LAB-Machine tools lab(III-I)
5	MSM-Material Science & Metallurgy (II-II)	MOS&M LAB-Mechanics of Solids and Metallurgy Lab(II-II)
6	DOM-Dynamics of Machinery(II-II)	TOM LAB-Theory of Machines Lab(II-II)
7	HT-Heat Transfer(III-II)	HT LAB-Heat Transfer Lab(III-II)
8	AIML-Introduction to Artificial Intelligence and Machine Learning(III-II)	AIML LAB-Artificial Intelligence and Machine Learning Lab(III-II)

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

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 their suggestions shall be considered by the Program Assessment Committee for identifying the curricular gaps. The shortcomings in the curriculum to improve 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 regulations. These recommendations are submitted to the university. The Course Outcomes (COs) are mapped to the relevant POs and PSOs through individual COs to identify the curriculum gaps.

PROCESS OF GAP IDENTIFICATION**Fig 2.1.1.6 Process for Curriculum & Beyond the Curriculum 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 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 for approval.
10. After approval from Department Academic Committee 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.

Table 2.1.1.11 CURRICULAR GAPS IDENTIFIED FOR THE ACADEMIC YEAR 2023-24:

S.NO	COURSE CODE	COURSE NAME	Curricular Gap topics identified	Related COs	Related POs	PSOs
1	C213	Fluid Mechanics & Hydraulic Machines	Variation of velocity and acceleration of piston on velocity, acceleration of water in pipes	CO5	PO1,PO2,PO3,PO12	PSO2

2	C214	Production Technology	Guest lecture on Advanced joining technologies	CO3	PO1,PO2,PO3,PO12	PSO1
3	C315	Advanced Materials	Lecture on failure modes of sandwich panels	CO5	PO1,PO2,PO4,PO12	PSO2
4	C411	Unconventional Machining Process	Lecture on Tools Design in EDM	CO4	PO1,PO2,PO3,PO10,PO12	PSO1
5	C415	Disaster Management	Guest Lecture on Disaster risk reduction measures	CO4	PO1,PO3,PO5,PO6,PO7,PO10,PO12	PSO2
6	C221	Metallurgy & Materials Science	Transformation in the Solid State	CO1	PO1,PO2,PO12	PSO2
7	C224	Thermal Engineering-I	Exhaust emission analysers	CO4	PO1,PO2,PO4,PO7	PSO1
8	C325	Environmental Engineering	Lecture on BOD & COD and coliform tests	CO5	PO1,PO2,PO3,PO6,PO7,PO10	PSO2

Table 2.1.1.12 CURRICULAR GAPS IDENTIFIED FOR THE ACADEMIC YEAR 2022-23:

S.NO	COURSE CODE	COURSE NAME	Curricular Gap topics identified	Related COs	Related POs	PSOs
1	C213	Fluid Mechanics & Hydraulic Machines	Variation of velocity and acceleration of piston on velocity, acceleration of water in pipes	CO5	PO1,PO2,PO3,PO4	PSO2
2	C214	Production Technology	Improvements in casting methods	CO2	PO1,PO2,PO3,PO12	PSO1,PSO2
3	C313	Machining , Machine Tools & Metrology	Advances in manufacturing	CO5	PO1,PO2,PO12	PSO2
4	C315	Advanced Materials	failure modes of sandwich panels	CO5	PO1,PO2,PO3,PO4,PO10,PO12	PSO1
5	C413	Production planning & Control	Quality Control Techniques	CO3	PO1,PO2,PO3	PSO2
6	C221	Metallurgy & Materials Science	Transformation in the Solid State.	CO1	PO1,PO2,PO3,PO12	PSO1
7	C325	Industrial robotics	Motion Analysis of robos	CO2	PO1,PO2,PO10,PO12	PSO2
8	C422	Non Destructive Evaluation	Non-destructive testing methods	CO5	PO1,PO4,PO5,PO7,PO12	PSO2

Table 2.1.1.13 CURRICULARGAPS IDENTIFIED FOR ACADEMIC YEAR 2021-22:

S.NO	Course code	COURSE NAME	Curricular Gap topics identified	Related COs	Related POs	PSOs
1	C213	Fluid Mechanics & Hydraulic Machines	Variation of velocity and acceleration of piston on velocity, acceleration of water in pipes	CO5	PO1,PO2,PO3,PO4	PSO2
2	C214	Production Technology	Lecture on strip layout design	CO5	PO1,PO2,PO3,PO10,PO12	PSO1
3	C215	Kinemnatics of Machinery	Lecture on worm and worm gears	CO5	PO1,PO2,PO3,PO4,PO5,PO10	PSO1
4	C311	Dynamics of Machinery	Lecture on Mechanical Vibrations	CO5	PO1,PO2,PO6,PO7,PO12	PSO1
5	C221	Metallurgy & Materials Science	Lecture on cooling curves	CO2	PO1,PO2,PO12	PSO1
6	C424	Non Destructive Evaluation	Lecture on Penetration removal Techniques	CO3	PO1,PO4,PO5,PO6,PO12	PSO2
7	C421	Production Planning & control	Lecture on Quality control techniques	CO3	PO1,PO2,PO3,PO7	PSO2
8	C325	Automobile Engineering	Lecture on Electrical systems in Automobiles	CO5	PO1,PO2,PO3,PO5,PO12	PSO2

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

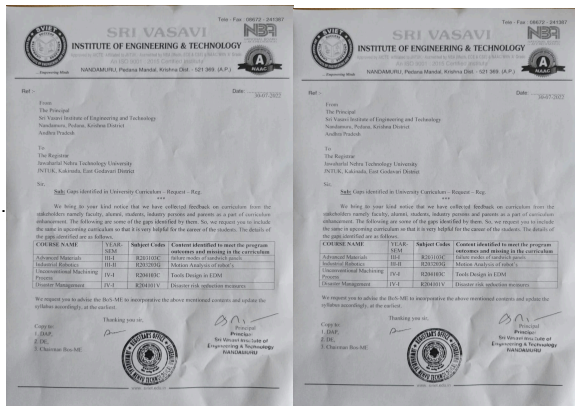


Fig. 2.1.2.1 GAPS Communicated to University

All the identified gaps are consolidated in theory and laboratory courses and submitted them to the Principal to communicate to the JNTUK, Kakinada and Board of Studies for their kind perusal and consideration for discussion in the exercise of upcoming regulations of curriculum and syllabus structure.

B. Delivery details of content beyond syllabus (5)

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, 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 mapped POs and PSOs, and it will give the suggestions to the Department Committee for further modification or approval.
3. The Department Committee will finalize the list of gaps with actions.

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

Add-on Courses:

Table 2.1.2.1 Add-on Courses for Academic Year 2023-24

S.No	Name of the course	Relevance to PO's
1	Design Of Solar And PV System	PO1,PO2,PO3,PO6,PO7,PO12
2	Solid Works simulation & Analysis	PO1,PO2,PO5,PO6,PO7,PO12

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Variation of velocity and acceleration of piston on velocity,acceleration of water in pipes	GUEST LECTURE	27/10/2023	Dr.M.Srinivas Prof ,Helapuri Engineering college, West Godavari	85	PO1,PO2,PO3,PO4,PSO2
2	Advanced Joining Technologies	GUEST LECTURE	13/03/2024	Dr.Santhosh Kumar,Assistant Professor,NIT Silichar	82	PO1,PO2,PO3,PO12,PSO2
3	Failure modes of sandwich panels	GUEST LECTURE	25/09/2023	G.Leela Prasad,Assistant Professor,DJR College	78	PO1,PO2,PO4,PO12,PSO1
4	Tools Design in EDM	GUEST LECTURE	02/11/2023	P.S.R.K.Nageswara Rao, Associate Professor V.I.T.S	80	PO1,PO2,PO3,PO10,PO12,PSO1
5	Transformation in the Solid State	GUEST LECTURE	22/02/2024	G.Leela Siva Rama Prasad Asst.Professor, DJR Engineering College	87	PO1,PO2,PO12,PSO1
6	Disaster risk reduction measures	GUEST LECTURE	22/09/2023	K.L.A.V Haranadh, Assistant Professor D.N.R College	82	PO1,PO3,PO5,PO6,PO7,PO12,PSO2
7	Exhaust Emission Analysers	GUEST LECTURE	16/03/2024	V.Nani,Assistant Professor,Usha Rama College of Engineering	76	PO1,PO2,PO4,PO7,PSO1
8	Lecture on BOD & COD,coliform tests	GUEST LECTURE	09/04/2024	V.Surya Teja Assistant Professor Andhra Loyala	86	PO1,PO2,PO3,PO6,PO7,PO10,PSO2

2022-23

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Motion Analysis of robos	GUEST LECTURE	16/02/2023	K.Kalyan Kumar , Lead engineer AXISCADES,Hyderabad	83	PO1,PO2,PO10,PO12,PSO2
2	Non Destructive Testing methods	WORKSHOP	16/03/2023	J.Sai Sandeep,Senior Manager,Hyderabad	81	PO1,PO4,PO5,PO7,PO12,PSO2
3	Advances in Manufacturing	GUEST LECTURE	11/11/2022	Dr.B.Amar Nagendram,Professor,D.M.S.S.V.H	82	PO1,PO2,PO12,PSO2
4	Quality control Techniques	GUEST LECTURE	22/10/2022	P.Satyanarayana Asst.Professor,GEC	85	PO1,PO2,PO3,PSO2
5	Failure modes of Sandwich panels	GUEST LECTURE	9/11/2022	P.Siva Naga Sree D.M.S.S.V.H, Machilipatnam	82	PO1,PO2,PO3,PO4,PO12,PSO1
6	Variation of velocity and acceleration of piston on velocity,acceleration of water in pipes	GUEST LECTURE	22/12/2022	Dr.M.Srinivas,Professor,Helapuri	100	PO1,PO2,PO3,PO4,PSO1
7	Improvements in casting methods	GUEST LECTURE	16/02/2023	K.Kalyan Kumar,Lead Engineer,Axicades Technology Industry Expert	82	PO1,PO2,PO3,PO12,PSO1,PSO2
8	Transformations in solid state	GUEST LECTURE	12/2/2023	G.Leela Siva Rama Prasad Asst.Professor, DJR Engineering College	83	PO1,PO2,PO3,PO12,PSO1

2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Variation of velocity and acceleration of piston on velocity, acceleration of water in pipes	GUEST LECTURE	24/11/2021	Dr.M.Srinivas Prof ,Helapuri Engineering college, West Godavari	92	PO1,PO2,PO3,PO4,PSO2
2	strip layout design	GUEST LECTURE	25/12/2021	A.Rajesh Assistant Professor GEC	65	PO1,PO2,PO3,PO10,PO12,PSO1
3	worm and worm gears	GUEST LECTURE	04/01/2022	D.Kiran Prasad, Associate Professor, GEC	85	PO1,PO2,PO3,PO4,PO5PSO1
4	Drawbacks of Mechanical Vibrations	GUEST LECTURE	21/12/2021	L.Ramesh, Assistant Professor, G.E.C	70	PO1,PO2,PO6,PO7,PO12,PSO1
5	cooling curves	GUEST LECTURE	9/3/2022	G.Karun Kumar Asst.Professor,GEC	83	PO1,PO2,PO12,PSO1
6	Electrical systems in Automobiles	GUEST LECTURE	10/5/2022	Dr.A.Rangababu Professor GEC	90	PO1,PO2,PO3,PO5,PO12,PSO2
7	Quality control techniques	GUEST LECTURE	7/3/2022	Dr. A.Kiran Kumar Professor DIET	85	PO1,PO2,PO3,PO7,PSO2
8	Penetration removal Techniques	GUEST LECTURE	22/3/2022	T.Deepak, Assistant Professor, D.M.S.S.V.H.	83	PO1,PO4,PO5,PO6,PO12,PSO2

2.2 Teaching - Learning Processes (100)

Total Marks 100.00

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

Institute Marks : 25.00

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.

Sample JNTUK, Kakinada Academic Calendar

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

Phone: 0884-2300991

Directorate of Academic Planning
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-530003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Uo. No. D-AP/AC/III Year - B. Tech-2023 Date: 14.07.2023

Dr. K.V.S.G. Murali Krishna,
M.E., Ph.D.
Director, Academics & Planning
JNTUK, Kakinada

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

Academic Calendar for III Year - B. Tech. for the AY 2023-24

Description	From	To	Weeks
I SEMESTER			
Commencement of Class Work	17.07.2023	09.09.2023	8W
I Unit of Instruction	17.07.2023	16.09.2023	1W
I Mid Examinations	16.09.2023	11.11.2023	8W
II Unit of Instructions	18.09.2023	18.11.2023	1W
II Mid Examinations	13.11.2023	25.11.2023	1W
Preparation & Practicals	20.11.2023	09.12.2023	2W
End Examinations	27.11.2023	09.12.2023	2W
Commencement of II Semester Class Work	11.12.2023		
II SEMESTER			
I Unit of Instructions	11.12.2023	03.02.2024	8W
I Mid Examinations	03.02.2024	10.02.2024	1W
II Unit of Instructions	12.02.2024	06.04.2024	8W
II Mid Examinations	08.04.2024	13.04.2024	1W
Preparation & Practicals	15.04.2024	20.04.2024	1W
End Examinations	22.04.2024	04.05.2024	2W
Summer Internship	06.05.2024	13.07.2024	10W
Commencement of IV-1 Class Work	15.07.2024		

K.V.S.G. Murali Krishna
Director, Academics & Planning
JNTUK

Copy to the Secretary to the Hon'ble Vice Chancellor, JNTUK
Copy to Rector, JNTUK
Copy to Registrar, JNTUK
Copy to Director Academic Audit, JNTUK
Copy to Director of Evaluation, JNTUK

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

DEPARTMENT CALENDAR

In the Department calendar different technical events like Guest Lectures, Workshops, Faculty development Programs are included. Department calendar is prepared well in advance of the commencement of the academic year. It consists of the planned activities and include class work schedule, industrial visits, internal mid examination dates, university exams dates as shown in the Figure 2.2.1.2.

Sample Department Calendar



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (SVET)
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2023-24
DEPARTMENT CALENDAR

Week No.	Month	Week Days							No. of Working Days				Events
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	I	II	III	IV	
1	JULY	2	3	4	5	6	7	8	-	-	-	-	1 st - IV - III - I SEM closure starting day
2		9	10	11	12	13	14	15	-	-	-	-	
3		16	17	18	19	20	21	22	-	-	-	-	
4		23	24	25	26	27	28	29	-	-	-	-	
5		30	31						-	-	-	-	
6	AUGUST			1	2	3	4	5	-	-	-	-	1 st - III - I Semester starting day
7		6	7	8	9	10	11	12	-	-	-	-	12 th - Second Saturday
8		13	14	15	16	17	18	19	-	-	-	-	15 th - Independence Day
9		20	21	22	23	24	25	26	-	-	-	-	16.17 th - Workshop on NDT (III & IV Batches)
10		27	28	29	30	31			-	-	-	-	20 th - Sports day celebration
11	SEPTEMBER						1	2	-	-	-	-	4 th - Guest Lecture (III, III & IV Batches)
12		3	4	5	6	7	8	9	-	-	-	-	11 th to 16 th Internal-I examination for IV, III Year
13		10	11	12	13	14	15	16	-	-	-	-	25 th to 30 th Internal-I examination for II Year
14		17	18	19	20	21	22	23	-	-	-	-	
15		24	25	26	27	28	29	30	-	-	-	-	
16	OCTOBER	1	2	3	4	5	6	7	-	-	-	-	27 th - Gandhi Jayanti
17		8	9	10	11	12	13	14	-	-	-	-	16 th - Industrial Visit
18		15	16	17	18	19	20	21	-	-	-	-	24 th - Gandhi Jayanti
19		22	23	24	25	26	27	28	-	-	-	-	21 st , 24 th & 25 th - Dussehra Holidays
20		29	30	31					-	-	-	-	
21	NOVEMBER				1	2	3	4	-	-	-	-	1 st to 17 th - AUNIS event
22		5	6	7	8	9	10	11	-	-	-	-	4 th to 11 th - Practical Examinations III, IV year (Internal)
23		12	13	14	15	16	17	18	-	-	-	-	12 th to 18 th Internal-II examination for III, IV year; Internal practical Examinations for II year
24		19	20	21	22	23	24	25	-	-	-	-	20 th to 25 th Internal-II examination for II year; University Practical Examinations for III, IV year
25		26	27	28	29	30			-	-	-	-	
26	DECEMBER						1	2	-	-	-	-	27 th Nov - 9 th Dec - University Theory Examination for II, IV Year; University Practical Examination for II year
27		3	4	5	6	7	8	9	-	-	-	-	14 th - 23 rd - University Theory Examination for II Year
28		10	11	12	13	14	15	16	-	-	-	-	25 th - Christmas day
29		17	18	19	20	21	22	23	-	-	-	-	
30		24	25	26	27	28	29	30	-	-	-	-	

Figure 2.2.1.2 Department Calendar for the academic year 2023-24

The Program Educational Objectives (PEOs) are established to guide the Programme and prepare the graduates to achieve career and professional accomplishments. The PEOs are further transformed into specific student performance and behaviors that demonstrate student learning and skill development as Program Outcomes (POs). 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 POs and PSOs. 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 COs. Teaching-Learning process is the crucial part of outcome-based education and implements/employs a set of activities engaging the 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 of the department requests heads of the other departments to allot faculty for 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 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 four.

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

SAMPLE TIMETABLE


 <div style="text-align: center;"> SRU VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY Accredited by NAAC 'A' Grade & NBA Department of Mechanical Engineering Academic Year 2023-2024 Class Time Table </div>									
CLASS: B.Tech I SEM Mech					W.E.E: 07.06.2023		L: 08.03.16		
TIME	9:30 AM	9:50 AM	10:50 AM	11:30 AM	1:20 PM	2:10 PM	3:00 PM	3:50 PM	
DAY	9:30 AM	10:40 AM	11:40 AM	12:30 PM	2:10 PM	3:00 PM	3:50 PM	4:40 PM	
MON	1	2	3	4	5	6	7	8	
TUE	MOS	KOM	M-III	L-III	PT LAB	MOS(E)	PT(E)	PT	
WED	MOS	M-III	KOM	FM&HM	PT	MOS(E)	PT(E)	INT	
THU	DAM LAB				MOS	V-III(E)	FM&HM	SEM	
FRI	EOTK	KOM	PT	FM&HM	C&IT	(E)	SEM		
SAT	FM&HM	SS	M-III	KOM	FM&HM LAB		KOM(E)		
SUN	MOS	M-III	COEN	FM&HM	EOTK	PT	KOM(E)	SPORTS	
Course Code	Course Name				Faculty Name				
C211	M-III: Vector Calculus, Tensor Transforms and PDE (M-III)				M.H.MOHAN				
C212	MOS: Mechanics of Solids				M. V. RAVI				
C213	FM&HM: Fluid Mechanics & Hydraulic Machines				Dr. D. RAJA RAMESH				
C214	PT: Production Technology				Dr. M. ARID ALI				
C215	KOM: Kinematics of Machinery				M.D. KHYATHIMAJI				
C216	C&IT: Computer Aided Engg Drawing Practice				M. V. RAVI, M. D. KIRAN				
C217	FM & HM LAB: Fluid Mechanics & Hydraulic Machines Lab				BARUN K. DEBICAPASAD				
C218	PT LAB: Production Technology Lab				M. D. KHYATHIMAJI, LAKSHMI PRIYA / D. MEDAID ALI				
C219	DAM LAB: Drafting and Modeling Lab (I, II, III)				M.D. KIRAN, KIRAN/ K. LAKSHMI PRIYA/ M. K. SURESH/ MAR				
C2110	EOTK: Essence of Indian Traditions/ Knowledge				M. A. N. V. D. PADMAJAA				
COEN	COEN: Computer Networking				M. D. KHYATHIMAJI				
SS	SS: Soft skills				M. D. ADITHYAN, K. UMAR				
L-III	L-III: Lab III				M. CH. ANUSHA				
SPORTS	SPORTS: Sports				M. D. KIRAN, RAHUL				
INT	INT: Internet				M. D. KIRAN, RAHUL				
SEM	SEM: Semester				M. D. KIRAN, RAHUL				
E-EXTRA CLASS FOR CONCERNED FACULTY									
T-TUTORIAL FOR CONCERNED FACULTY									
Class in-Charge			Time Table Coordinator			Head of the Department			

Figure 2.2.1.3 Department Time Table for Semester – II 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
DEPARTMENT OF MECHANICAL ENGINEERING
Contents of the Course File

- | | |
|--|--|
| 1. NPTEL Certificates if any | 38. Tutorial lesson plan for weak learners |
| 2. Result analysis Comparison | 39. Self learning resources |
| 3. Result analysis past year (SEM) | 40. List of PPTs |
| 4. PO attainment | 41. Web references |
| 5. Course assessment | 42. Proofs related to lesson plan |
| 6. Result analysis present year (SEM) | 43. Curriculum Gap |
| 7. Current semester end question paper analysis (CO-TL) | 44. Lesson plan |
| 8. Current semester end question paper (Original) | 45. CO-PO-PSO mapping and justification |
| 9. University exam circular and time table | 46. Syllabus |
| 10. Assignment analysis (CO-TL) | 47. Individual time table |
| 11. Feedback Phase 2 | 48. Class time table |
| 12. Weak Learners marks tracking | 49. Department calendar |
| 13. Marks MID 2 (Descriptive + Quiz + Assignment = Total) | 50. Academic calendar |
| 14. MID 2 Question paper Solutions | 51. PSOs and PEOs |
| 15. MID 2 Scheme of evaluation | 52. POs |
| 16. MID 2 Question paper analysis (CO-TL) | 53. Department Vision & Mission |
| 17. MID 2 Question paper | 54. Institute Vision & Mission |
| 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 | |

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. Students can plan their academics and utilize the resources properly as per the academic calendar.
- More number of students could efficiently utilize the inter-college and inter-departmental events like Cultural events, Guest lectures, Workshops, Field visits, etc.
- Students could effectively plan industry interactions in vacation. So, the number of students participations in summer training/internships has 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 the 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 plan events. Well-structured lesson plans, lecture notes, tutorial questions 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.

1. In every class room, Projector with Wi-Fi facility is provided for teaching purpose.
2. Internet facility and different reference books are available for students and faculty in the library.
3. Faculty members are taking advantage of sources like National Programme on Technology Enhanced Learning (NPTEL), Internet sources for effective teaching. Various journals are available in the library and they are utilized for research & project-based learning.

Sample Lesson Plan

 SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY NANDAMURU, PEDANA MANDAL, KRISHNA DISTRICT - 521369					
LESSON PLAN					
Academic Year 2023-24		Year & Sem. : II B.Tech- I Sem.			
		Branch : Mechanical Engineering			
		Subject : KINEMATICS OF MACHINERY			
Week	Date	Topic to be covered	No. of Periods	Book Reference	Teaching method
		UNIT-I			
I WEEK	07-08-2023	Introduction: Machine, mechanism	1	T1 ,R1	Differentiation
	08-08-2023	Types of constrained motion with examples	1	T1 ,R1	CHALK& TALK
	10-08-2023	Kinematic pairs with examples	1	T1 ,R1	COP
	11-08-2023	Types of constrained motion with examples	1	T1 ,R1	CHALK& TALK
II WEEK	14-08-2023	Kinematic chain, conditions and mechanism	1	T1 ,R1	CHALK& TALK
	17-08-2023	Degrees of freedom	1	T1 ,R1	CHALK& TALK
	18-08-2023	Groblers and Kutzbach criterions	1	T1 ,R1	CHALK& TALK
	21-08-2023	Types of kinematic chains and inversions	1	T1 ,R1	CHALK& TALK
III WEEK	22-08-2023	Inversions of fourbar chain with examples	1	T1 ,R1	CHALK& TALK
	24-08-2023	Inversions of single slider crank chain	1	T1 ,R1	PPT
		Inversions of double slider crank chain			
		UNIT-II			
IV WEEK	25-08-2023	Pantograph	1	T1 ,R1	CHALK& TALK
	28-08-2023	Condition for an exact straight line motion	1	T1 ,R1	CHALK& TALK
	29-08-2023	Paucellier mechanism and Grasshopper	1	T1 ,R1	ANIMATION
		Hart's and Scott-Russel mechanism		T1 ,R1	
V WEEK	31-08-2023	Approximate straight line motion mechanisms:	1	T1 ,R1	ANIMATION
		T. Chebichev's, Roberts mechanism		T1 ,R1	
	01-09-2023	Necessity & Condition for correct steering	1	T1 ,R1	CHALK & TALK
	04-09-2023	Davis steering mechanism	1	T1 ,R1	CHALK & TALK
VI WEEK	05-09-2023	Ackermann steering mechanism	1	T1 ,R1	CHALK & TALK
	08-09-2023	Hooke's joint applications, About Hooke's joint	1	T1 ,R1	CHALK & TALK
	11-09-2023	kinematics of hooke's joint, problems	1	T1 ,R1	CHALK & TALK
	12-09-2023	Double Hooke's joint, problems	1	T1 ,R1	CHALK & TALK
VII WEEK		UNIT-III			
	14-09-2023	Motion and velocity of a link	1	T1,R1,A2	CHALK & TALK
	15-09-2023	Velocity diagrams of mechanisms	1	T1,R1,A2	CHALK & TALK
	18-09-2023	problems	1	T1,R1,A2	CHALK & TALK

IX WEEK	10-10-2023	UNIT-IV Cams, types ,Terminology used in cams	1	T1,R1	ENQUIRY
	12-10-2023	Types of follower motions uniform velocity	1	T1,R1	CHALK & TALK
	13-10-2023	Simple harmonic motion	1	T1,R1	CHALK & TALK
	16-10-2023	Uniform acceleration & retardation motion	1	T1,R1	CHALK & TALK
X WEEK	17-10-2023	Method of drawing cam profiles	1	T1,R1	CHALK & TALK
	19-10-2023	Motion of roller follower with tangent cam	1	T1,R1	CHALK & TALK
	20-10-2023	Motion of flat follower with circular cam	1	T1,R1	CHALK & TALK
XI WEEK	23-10-2023	Introduction,Belts & rope drives: types	1	T1,R1	CHALK & TALK
	26-10-2023	length of open & closed belt drives	1	T1,R1	Differentiation
	27-10-2023	Velocity ratio of pulleys, slip & creep of belt	1	T1,R1	CHALK & TALK
XII WEEK	30-10-2023	Tensions ratio with & without centrifugal tension	1	T1,R1	CHALK & TALK
	31-10-2023	Angle of contact, max. tension in belt	1	T1,R1	CHALK & TALK
	02-11-2023	Chains:length, speed ratio types	1	T1,R1	QUIZZES
		UNIT-V			
XIII WEEK	03-11-2023	Gears: types ,law of gearing	1	R1,A1	CHALK & TALK
	06-11-2023	Length of path and arc of contact,interference	1	R1,A1	CHALK & TALK
	07-11-2023	Condition to avoid interference	1	R1,A1	CHALK & TALK
	09-11-2023	Minimum no. of teeth on gear and pinion	1	R1,A1	CHALK & TALK
	10-11-2023	Introduction to helical and bevel gears	1	R1,A1	CHALK & TALK
XIV WEEK	13-11-2023	Centre distance between gears	1	R1,A1	CHALK & TALK
	14-11-2023	Introduction: speed ratio & train value,Simple gear train	1	R1,A1	CHALK & TALK
	16-11-2023	Compound and reverted gear train,Epicyclic gear train	1	R1,A1	SEMINAR
	17-11-2023	Selection of gear box,Differential gear for an	1	R1,A1	CHALK & TALK
			51		
TEXT BOOKS:					
1. Theory of Mechanisms & Machines by Jagadeesh lal, Metropolitan Pvt Ltd.					
2. Theory of Machines by Thomas Bevan/ CBS Publishers					
REFERENCES:					
1.Theory of Machines – S. S Rattan- TMH Publishers					
2. Theory of machines and Machinery-Vickers - Oxford					
3. Theory of Mechanisms and machines – A.Ghosh & A.K.Malik – East West Press Pvt. Ltd.					
ADDITIONAL TEXTBOOKS:					
1.A text book of theory of machines by R.S.Khumi					
2.A text book of theory pf machines by Dr.RK Bansal,Dr JsBrar					
3.Mechanism and machines by JS Rao ,Rv dukkipati					

Figure 2.2.1.5 Lesson Plan for of II Year I Semester for academic year 2023 – 24

The following methods are some of the appropriate and efficient methodologies according to the characteristic of the learner.

1. Chalk & talk: Usage of black board, chalk and lecture
2. PPT: Power Point Presentation for the relevant topic
3. Visualization: 3D Objects
4. Co- operative learning: Grouping the students with one advance learner in each group and allowing them to discuss the Topic
5. Enquiry based instruction: Prior intimation of the topic in the previous classes to the students for enquiry of the topic and asking the questions in the next class
6. Differentiation: Summarizing the types with similarities and differences
7. NPTEL videos: NPTEL videos
8. Seminar: Seminar by the student
9. Animations: Animations of the processes
10. Pictorial method: 2D objects charts
11. Debate: Assigning a topic to the students and allow them to debate
12. Quiz: Asking Questions on the covered topic by forming the batches.
13. Buzz group: Formation of groups with 3-4 members in each and discussion on the Topic

ACADEMIC YEAR:2023-24

I-SEMESTER

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

Sl. No	Teaching Aid / Methodology	Number of Courses
1	Chalk & Talk	18

2	PPT	15
3	Visualization	1
4	Co-operative learning	10
5	Enquiry based instruction	12
6	Differentiation	4
7	NPTEL Videos	3
8	Seminars	6
9	Animated lecturers	6
10	Pictorial sessions	1
11	Debate Sessions	2
12	Quiz	14

Table 2.2.1.2 List of Average books per course

Average Text Books referred per Course	2
Average Reference Books referred per Course	4
Average Additional referred per Course	1
Average Web references used per Course	3

ICT TOOLS**Table 2.2.1.3 List of ICT Tools**

Sl. No	Teaching Aid / Methodology	Number of Courses
1	FLIPPED CLASSROOM	5
2	CANVAS	10
3	GOOGLE SHEET	4
4	GOOLGE DOCS	2

Table 2.2.1.4 List of Teaching Methodologies

COURSE CODE	1	2	3	4	5	6	7	8	9	10	11	12
C211(MIII)	Y						Y					Y
C212(MOS)	Y	Y		Y	Y							Y
C213(FM&HM)	Y		Y		Y	Y	Y	Y				Y
C214(PT)	Y	Y			Y							Y
C215(KOM)	Y	Y		Y	Y	Y		Y	Y			Y

C2110-TE-II	Y	Y										
C311(TE-II)	Y	Y		Y	Y							Y
C312(DMM-I)	Y	Y		Y	Y	Y		Y				Y
C313(MMM)	Y	Y		Y	Y				Y			Y
C314(RES)	Y	Y		Y	Y			Y	Y			Y
C315(AM)	Y	Y			Y							Y
C319-(PE&HV)	Y	Y										
C411(UCMP)	Y	Y		Y	Y	Y		Y	Y			Y
C412(PPC)	Y	Y	Y	Y					Y		Y	Y
C413(R&AC)	Y	Y		Y	Y			Y				Y
C414(EM)	Y	Y			Y				Y	Y	Y	Y
C415(DM)	Y	Y		Y			Y					
C416-(UHV)	Y											
TOTAL	18	15	1	10	12	4	3	6	6	1	2	14

II SEMESTER**Table 2.2.1.5: List of various instructional methods and pedagogical initiatives adopted**

Sl. No	Teaching Aid / Methodology	Number of Courses
1	Chalk & Talk	11
2	PPT	11
3	Visualization	0
4	Co-operative learning	4
5	Enquiry based instruction	6
6	Differentiation	7
7	NPTEL Videos	2
8	Seminars	6
9	Buzz Group	1
10	Animated lecturers	3
11	Debate Sessions	2
12	Quiz	8

Table 2.2.1.6 List of Average books per course

Average Text Books referred per Course	2
Average Reference Books referred per Course	4
Average Additional referred per Course	1
Average Web references used per Course	2

ICT TOOLS**Table 2.2.1.7 List of ICT Tools**

Sl. No	Teaching Aid / Methodology	Number of Courses
1	FLIPPED CLASSROOM	2
2	CANVAS	6
3	GOOGLE SHEET	4
4	GOOLGE DOCS	3

Table 2.2.1.8 List of Teaching Methodologies

COURSE CODE	1	2	3	4	5	6	7	8	9	10	11	12
C221(MSM)	Y	Y				Y						
C222(CVSM)	Y	Y					Y	Y				Y
C223(DOM)	Y	Y		Y	Y	Y		Y		Y		Y
C224(TE-I)	Y	Y		Y	Y	Y						Y
C225(IEM)	Y	Y			Y	Y		Y				Y
C321(HT)	Y	Y		Y	Y	Y						Y
C322(DMM-II)	Y	Y			Y	Y		Y		Y		
C323(AIML)	Y	Y					Y				Y	
C324(AE)	Y	Y		Y	Y	Y		Y		Y		Y
C325(EE)	Y	Y						Y			Y	Y
C3210(RM&IPR)	Y	Y							Y			Y
Total	11	11	0	4	6	7	2	6	1	3	2	8

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

Class in-charges, counselors, and course faculty members identify those students who fall under the slow learners category. Course faculty members conduct remedial classes for weak students. At that time, they solve previous university examination question papers. Each course faculty member identifies the performance of slow learners after the completion of internal examinations and also takes corrective actions like conducting revision classes and slip tests for slow learners .

The process of identifying slow learners and encouraging the advanced learners is shown below:

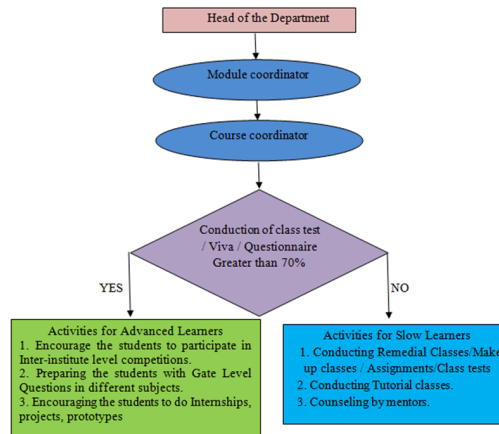



Figure 2.2.1.6 Process to identify the slow and advanced learners


Sample Remedial Class Time-Table:



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)
 DEPARTMENT OF MECHANICAL ENGINEERING
 A.Y. 2023-24
 Remedial Class Time Table

CLASS: II B.Tech. I SEM W.E.F: 21.08.2023 to 22.09.2023 LH:03.110

TIME → DAY ↓	4:30PM to 5:30PM SUBJECT
MON	M-III
TUE	MOS
WED	FM&HM
THU	PT
FRI	KOM

Course Code	Course Name	Faculty Name
C211	M-III- Vector Calculus, Fourier Transforms and PDE (M-III)	Mrs.B.MOUNIKA
C212	MOS- Mechanics of Solids	Mr. V.RAVI
C213	FM&HM- Fluid Mechanics & Hydraulic Machinery	Dr. D. RAJA RAMESH
C214	PT -Production Technology	Dr.MD.ABID ALI
C215	KOM- Kinematics of Machinery	Ms.D. KHYATHIMAI


 Class In-Charge


 Time Table Coordinator



 Head of the Department

Figure 2.2.1.7 Remedial Class Time Table for II Year Students

Table 2.2.1.9 Process for identify weak students and action taken

S.NO	REG.NO	MID-I	MID-II	MARKS IMPROVED
20MQ1A0301	ARAJA CHANDHINI	12	14	2
20MQ1A0302	ABDUL HAFEEZUR RAHMAN	6	12	6

20MQ1A0303	BANDARU JAYA NAGA SAI	13	13	0
20MQ1A0304	BALAGAM VENKATA RAMANA	12	13	1
20MQ1A0307	GANJALA SRI BHANU PRAKASH	12	11	-1
20MQ1A0312	KAKARAPARTHI RAVI NAGESWAR	8	11	3
20MQ1A0313	KANCHARLAPALLI VICTOR	7	10	3
20MQ1A0315	KOTARI SRINIVAS BABU	6	11	5
20MQ1A0316	KOTTI BALA SAI KRISHNA	5	8	3
21MQ5A0304	GUNNAM VENKATA RAMANA	14	13	-1

Table 2.2.1.10 Monitoring of Attendance for Environmental Management Subject:

S.NO	REG.NO	REG.NAME	% Upto MID-I	% Upto MID-II	% of Improvement
1	20MQ1A0301	ARAJA CHANDHINI	71.43	83.33	11.90
2	20MQ1A0302	ABDUL HAFEEZUR RAHMAN	62.86	73.61	10.75
3	20MQ1A0303	BANDARU JAYA NAGA SAI	80.00	81.94	1.94
4	20MQ1A0304	BALAGAM VENKATA RAMANA	71.43	77.78	6.35
5	20MQ1A0307	GANJALA SRI BHANU PRAKASH	74.29	76.39	2.10
6	20MQ1A0312	KAKARAPARTHI RAVI NAGESWAR	57.14	72.22	15.08
7	20MQ1A0313	KANCHARLAPALLI VICTOR	54.29	68.06	13.77
8	20MQ1A0315	KOTARI SRINIVAS BABU	80.00	84.72	4.72
9	20MQ1A0316	KOTTI BALA SAI KRISHNA	60.00	75.00	15.00
10	21MQ5A0304	GUNNAM VENKATA RAMANA	74.29	86.11	11.83

Sample Mentoring Book:

STUDENT DATA SHEET

1. Student Reg. No.

20MGS100202

2. Name of the Student

Abdul Haseem Rahman

3. Branch

Mechanical

4. Sex: Male / Female

Male

5. RH Category

6. Father's Name

Abdul Kaseem

7. Mother's Name

Samira Begum

8. Occupation of Father

Business

9. Occupation of Mother

Housewife

10. Guardian Name (if any)

11. Percentage of Marks

9.5

a) 10th class

b) IP^E / Diploma

12. EAMCET/ECET Rank

Management

13. Contact Address

The Pedana Funfairhall, Bantam road, Pedana, Pedana

14. Permanent Address

The Pedana Funfairhall, Bantam road, Pedana

15. Father Mobile No.

9666825236

16. Mother Mobile No.

786610037

17. Guardian Mobile No.

18. Student Mobile No.

8125871436

19. Email Id of Father (or) Mother

abdulhaseem051969@gmail.com

20. Email Id of Student

haseemrahman242@gmail.com

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

Signature of the student

Signature of the Father

Signature of the Mother

Signature of the Guardian

Recent Photograph of Guardian

Fig 2.2.1.8 Sample Mentoring Book

Impact analysis

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

They are:

- 1. Improved student attendance from beginning of the semester.
- 2. Active participation of students in outcome-based education activities.
- 3. Better relation between students and faculty towards research.

Identifying and Assisting Slow Learners:

- 1. In this scenario, the slow learners 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. Teachers are paying personal attention to these students by providing specially developed Handouts, question banks and assignments.
- 3. These slow learners are made to mingle with advanced learners to work in a team for collaborative learning to gain knowledge.
- 4. Mentors are allotted for a group of students for continuous monitoring of their performance.
- 5. Counseling and tutorial classes are conducted by the faculty for those students who failed in academic courses.

Table: 2.2.1.11 Process of assisting slow learners

1	Students who fail in semester exams	<div>1. Student counselor follows their progress regularly and advising students for attending classes.</div> <div>2. Intimating parents to counsel their wards</div> <div>3. Conduction of remedial classes</div>
---	-------------------------------------	--

<https://enba.nbaind.org/SARTemplates/eSARUGTierIIPrint.aspx?Appid=10207&Progid=641>

47/403

2	Students scoring less than 60% of marks in Internal Assessment	1. Conduction of remedial classes 2. Solving more number of previous question papers during tutorial classes.
---	--	--

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.

Sample Images:

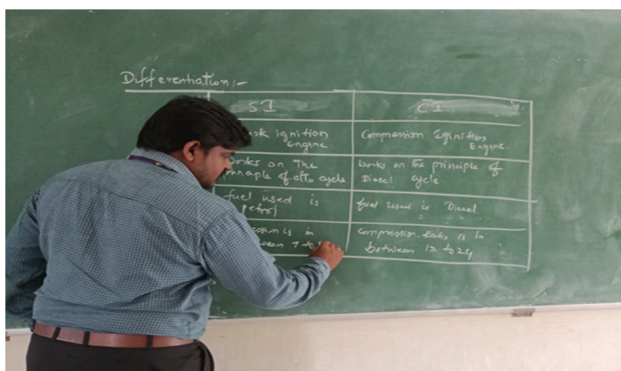


Figure 2.2.1.9 Faculty teaching comparison between SI and CI engines using Differentiation methodology



Figure 2.2.1.10 Faculty teaching working of boiler using Demonstration methodology

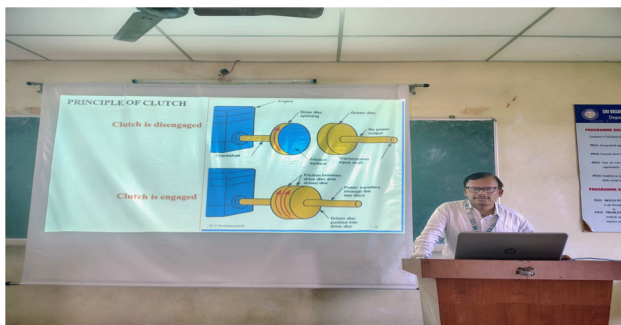


Figure 2.2.1.11 Faculty teaching transmission system using Power Point Presentation

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 in 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 tools for doing experiment by submitting an indent to the lab assistant.
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 record the readings.
6. When the experiment is completed, students should disconnect the setup they made and return all the tools taken for the purpose. Any damage to the equipment or burn-out of components due to the negligence of the student will be penalized.
7. After completion of the experiment, the student should get the observation book corrected by the faculty.
8. The completed record of the current experiment should be submitted in the next class.
9. The curriculum stipulates 2 to 4 laboratory courses per semester upto IV-I.
10. The number of experiments done by each student should be more than the minimum number of experiments mentioned in the syllabus.
11. At least one additional experiment will be conducted in some lab courses.
12. Instruction manuals are provided.
13. The observations books and records are corrected by faculty regularly. Two Course faculty members and one technical staff member are assigned for each practical class.
14. Lab facilities are available to the students beyond working hours.
15. We provide 2 or 3 additional experiments for some laboratory. Those who are interested can utilise the facilities during additional lab facility time.

Table 2.2.1.12 ENGINEERING SUBJECTS-LAB PRACTICES

S.NO	COURSE WITH YEAR AND SEMISTER	LAB NAME WITH YEAR AND SEMISTER
1	FM&HM- Fluid Mechanics & Hydraulic Machines (II-I)	FM & HM LAB- Fluid Mechanics & Hydraulic Machines Lab(II-I)
2	PT -Production Technology(II-I)	PT LAB- Production Technology Lab(II-I)
3	TE-II -Thermal engineering-II(III-I)	TE LAB-Thermal Engineering Lab(III-I)
4	MMM-Machining, Machine Tool &Metrology (III-I)	MT LAB-Machine tools lab(III-I)

5	MSM-Material Science & Metallurgy (II-II)	MOS&M LAB-Mechanics of Solids and Metallurgy Lab(II-II)
6	DOM-Dynamics of Machinery(II-II)	TOM LAB-Theory of Machines Lab(II-II)
7	HT-Heat Transfer(III-II)	HT LAB-Heat Transfer Lab(III-II)
8	AIML-Introduction to Artificial Intelligence and Machine Learning(III-II)	AIML LAB-Artificial Intelligence and Machine Learning Lab(III-II)

Lab manuals and cycle of experiments are prepared before the beginning of the semester. Minimum of 2 faculty members 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 data. 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. An internal practical examination will be conducted along with viva at the end of the semester. The internal marks will be awarded by considering the marks obtained by students in continuous evaluation, fair record and internal examination.

F. Continuous Assessment in the laboratory (3)

1. A continuous assessment system is 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 marks in sem end examination as per JNTUK R16 Regulations. For practical subjects, there will be continuous evaluation during the semester for 20 internal marks and 30 marks in sem end examination as per JNTUK R19 Regulations. For practical subjects, there will be continuous evaluation during the semester for 15 internal marks and 35 marks in sem end examination as per JNTUK R20 Regulations.

SAMPLE MARKS ALLOCATION

Figure 2.2.1.12 Continuous Evaluation in laboratory

SAMPLE INDEX SHEET OF RECORD

INDEX					
Serial No.	Date	Name of the Experiment	Page No.	Remarks	Signature
1	08/01/24	Thermal conductivity of metal rod	1-3	(S)	[Signature]
2	22/1/24	Heat transfer through natural convection	4-6	(S)	[Signature]
3	22/1/24	Heat transfer through forced convection	7-9	(S)	[Signature]
4	5/2/24	Heat transfer through lagged pipe	10-11	(S)	[Signature]
5	12/2/24	Heat transfer through composite wall	12-13	(S)	[Signature]
6	12/2/24	emissivity measurement apparatus	14-16	(S)	[Signature]
7	4/03/24	Pool Boiling apparatus	17-19	(S)	[Signature]
8	11-3/24	Heat pipe Demonstration	20-21	(S)	[Signature]
9	18/03/24	Heat transfer through a fin fin	22-24	(S)	[Signature]
10	8/04/24	parallel and counter flow heat exchanger	25-27	(S)	[Signature]

Figure 2.2.1.13 Index Page of Record

Impact analysis:

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

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

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 by collecting feedback twice in a semester for all the courses that are being taught, 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 of 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 Steps for Student's Feedback

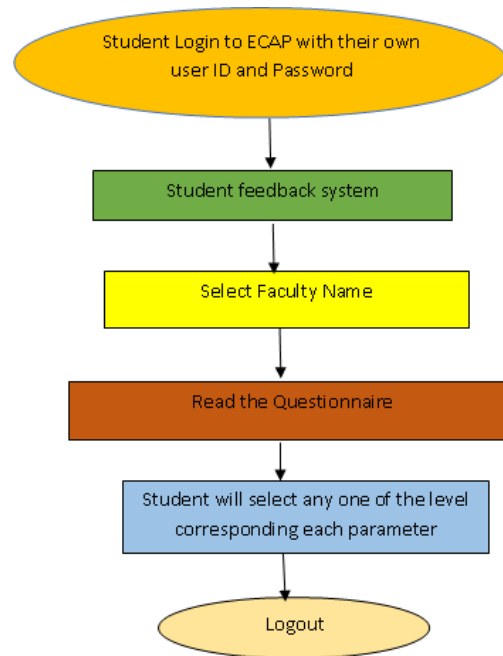


Figure 2.2.1.14 Process of feedback

1. Feedback is taken through online from each student.
2. Based on the following questions, feedback is 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 minded 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?

Figure 2.2.1.15 Sample e-cap Feedback form

3. From the obtained feedback percentages, suggestions are given to each staff by 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 by attending pedagogical training or other faculty development programs.
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 faculty.
8. Counseling will be given to the faculty concerned by HOD and Principal whenever required.

Sample feedback form:

Figure 2.2.1.16 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 by attending pedagogical training or other faculty development programs as per the necessity.

Actions Taken based on Feedback for the Academic Year 2023-2024

The following faculty are identified as best teachers on the student feedback and some of the faculty from each class were given an appreciation letter.

1. Dr. D.Raja Ramesh
2. Mr.D.Kiran Babu
3. Ms.D.Khyathimai
4. Mr.V.Ravi.
5. Md .Abid Ali

The following faculty is nominated to attend FDP:

1. K.Lakshmi Priya

Table 2.2.1.13 Summary of corrective measures

Corrective Actions	No. of Corrective Actions in last 3 years		
	2023-24	2022-23	2021-22
Awards/ Rewards	5	4	2
No of Faculty members counseled for below average performance	1	4	3

Cash Award for Best Performance**Sample Appreciation Certificates**

Figure 2.2.1.17 Cash award and appreciation certificates photos

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

Institute Marks : 20.00

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 DC (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. 2 sets of internal Mid question papers are prepared with first half of the syllabus for 1st mid and with second half of the syllabus for 2nd mid exams such that all levels of the bloom's taxonomy levels are covered as far as possible and these sets are verified by the DC (Department Assessment Committee).
7. For each question the maximum marks, course outcome number and Bloom's taxonomy level will be assigned. While preparing the question bank all previous university exam papers are taken into consideration.
8. The Examination section collects 2 sets of question papers for all the courses and they finalize the question paper for internal examinations with the consent of principal.
9. Solutions to the mid questions will be discussed in regular classes which will enable them to perform well in the final examination.
10. The faculty members who are dealing the courses, prepare the scheme of evaluation for the question paper and then evaluate the answer scripts as per the scheme.
11. Finally, the Marks scored by the students in every test are sent to their parents and displayed in the notice board.

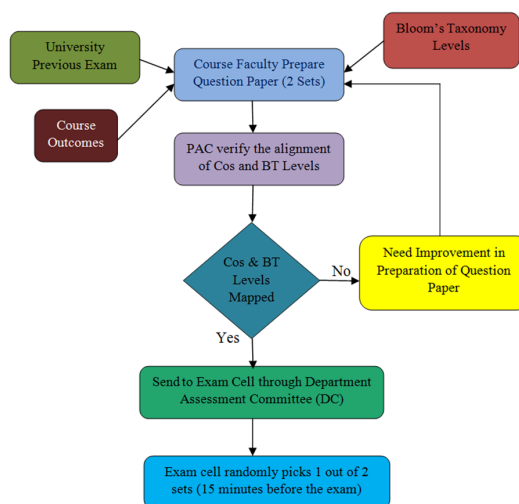


Figure 2.2.2.1: Process for preparation of mid examination question paper Internal Question paper process

Procedure for Conduction and Evaluation of Internal Assessment Test:

1. The timetable for the mid exams will be displayed in the notice board, 2-3 days prior to the commencement of the test.
2. The students take the test in their allotted seats in a examination hall while supervising the invigilators.
3. The scheme of evaluation for the question paper is prepared by the course coordinator ensuring appropriate distribution of marks.

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

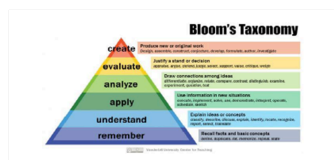


Figure 2.2.2.2: Blooms Taxonomy

1. Every course coordinator is responsible for analyzing the quality of question paper, mapping with COs and Bloom's Taxonomy levels. The scheme and solutions of internal question papers is maintained by course coordinators.
2. The DC will suggest the modifications in the question paper in case of any discrepancy.

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

A question paper template is shown below:

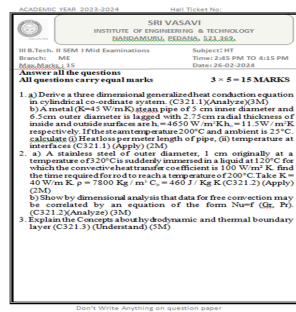


Figure 2.2.2.3: Internal Question Paper

Question number	Question	CO	Marks	TL	PI
1.a	Derive a three dimensional generalized heat conduction equation in cylindrical co-ordinate system.	C321.1	3	L4	2.1.3
1.b	A metal ($K=45 \text{ W/m K}$) stean pipe of 5 cm inner diameter and 6.5cm outer diameter is lagged with 2.75cm radial thickness of inside and outside surfaces are $h_i = 4650 \text{ W /m}^2\text{K}$ $h_o = 11.5\text{W / m}^2\text{K}$ respectively. If the steam temperature 200°C and ambient is 25°C . calculate (i) Heat loss per meter length of pipe, (ii) temperature at interfaces	C321.1	2	L3	1.2.1
2.a	A stainless steel of outer diameter, 1 cm originally at a temperature of 320°C is suddenly immersed in a liquid at 120°C for which the convective heat transfer coefficient is $100 \text{ W/m}^2 \text{ K}$. find the time required for rod to reach a temperature of 200°C . Take $K = 40 \text{ W/m K}$. $\rho = 7800 \text{ Kg / m}^3$ $C_p = 460 \text{ J / KgK}$	C321.2	2	L3	2.1.3
2.b	Show by dimensional analysis that data for free convection may be correlated by an equation of the form $Nu=f(Gr, Pr)$.	C321.2	3	L4	1.2.1
3	Explain the Concepts about hydrodynamic and thermal boundary layer	C321.3	5	L2	2.1.3

Sample Internal Question Paper Assessment:**COURSE OUTCOME WISE MARKS DISTRIBUTION**

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

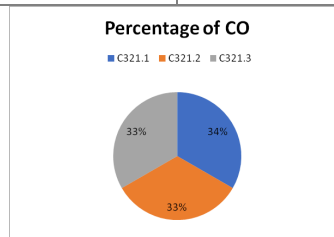


Figure 2.2.2.4: Pie Chart Showing Percentages of CO's

BLOOM'S TAXANOMY LEVEL WISE MARKS DISTRIBUTION

S.NO	TAXONOMY LEVEL	MARKS	% OF MARKS
1	L1-REMEMBER	0	0.00
2	L2-UNDERSTAND	5	33.33
3	L3-APPLY	4	26.67
4	L4-ANALYZE	6	40.00
5	L5-EVALUATE	0	0.00
6	L6-CREATE	0	0.00

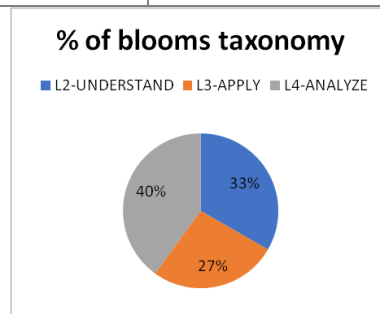


Figure 2.2.2.5: Pie Chart Showing Percentages of Bloom's Taxonomy

INTERNAL-2 QUESTION PAPER ASSESSMENT

Question number	Question	CO	Marks	TL	PI
-----------------	----------	----	-------	----	----

1.	Water at 38 °C flows over a wide, 6 m long, heated plate at 0.06 m/s. For a surface temperature of 93 °C, determine: (a) the hydrodynamic boundary layer thickness & at the end of the plate (b) the total drag on the surface per unit width (c) The thermal boundary layer thickness δ_t at the end of the plate (d) the local heat transfer coefficient h_x at the end of the plate and (e) the total heat flux from the surface per unit width.	C321.3	5	L3	1.2.1
2.a	Draw and explain with suitable graph various regimes of boiling	C321.4	2	L2	2.1.3
2.b	In a double pipe, counter flow heat exchanger, water flows at the rate of 0.45 kg/s and is heated from 20°C to 35°C by an oil having specific heat of 1.5 kJ/kg. °C. The oil enters the exchanger at 95°C and exists at 60°C. Determine the heat exchanger area for an overall heat transfer coefficient of U-290 W/m ² °C. The specific heat of water is 4.18 kJ/kg °C.	C321.4	3	L3	1.2.1
3.a	State and prove Kirchhoffs law of radiation.	C321.5	2	L2	2.1.3
3.b	Define radiation Intensity. Prove that for a diffusive surface, the emissive power is equal to x times the intensity of radiation.	C321.5	3	L4	2.1.3

COURSE OUTCOME WISE MARKS DISTRIBUTION

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

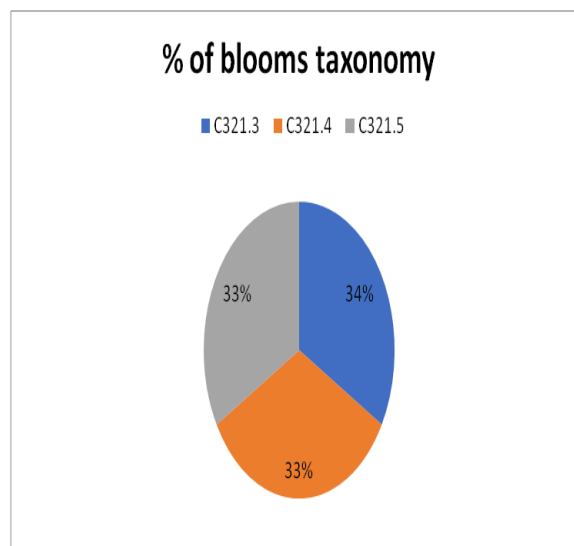
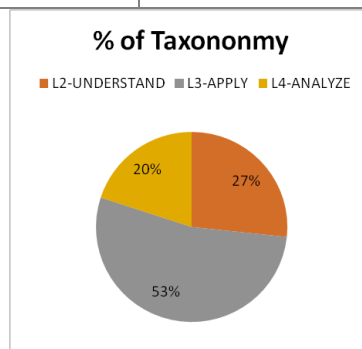


Figure 2.2.2.6: Pie Chart Showing Percentages of CO's

BLOOM'S TAXANOMY LEVEL WISE MARKS DISTRIBUTION

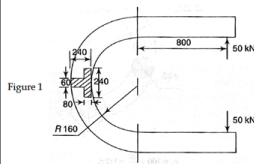
S.NO	TAXONOMY LEVEL	MARKS	% OF MARKS
1	L1-REMEMBER	0	0.00
2	L2-UNDERSTAND	4	26.67
3	L3-APPLY	8	53.33
4	L4-ANALYZE	3	20.00
5	L5-EVALUATE	0	0.00
6	L6-CREATE	0	0.00

**Figure 2.2.2.7: Pie Chart Showing Percentages of Bloom's Taxonomy****Sample External Question Paper Analysis**

DESIGN OF MACHINE MEMBERS-II ACADEMIC YEAR 2023-2024

SEMESTER END QUESTION PAPER (SET-1) ASSESSMENT

Question number	Question	CO	Marks	TL	PI
1.a	Classify the bearings according to (i) lubricant pressure, (ii) type of load and (iii) relative movement between bearing and shaft. Draw a schematic diagram for each.	C322.1	7	L3	2.1.3
1.b	A 150 mm diameter shaft supporting a load of 10 kN has a speed of 1500 rpm. The shaft runs in a bearing, where the length is 1.5 times the shaft diameter. If the diametrical clearance of the bearing is 0.15 mm and the absolute viscosity of the oil at the operating temperature is 0.11 kg/m-s, find the power wasted in friction.	C322.1	7	L3	2.1.3
2.a	What are the reasons for a failure of a rolling bearing?	C322.1	4	L2	1.4.1

2.b	<p>A single-row, deep-groove ball bearing 6210 is subjected to the set of loads and operates at the listed rotational speeds for the given percentage of time. This load cycle is repeated continuously throughout the life of bearing. Estimate the total life of the bearing. The details are as given in table 1.</p> <p>Table 1:</p> <table> <tr> <th>Condition</th> <th>Applied load (N)</th> <th>Rotational speed n_r (rpm)</th> <th>Time percentage (%)</th> </tr> <tr> <td>1</td> <td>5400</td> <td>150</td> <td>30</td> </tr> <tr> <td>2</td> <td>2000</td> <td>200</td> <td>50</td> </tr> <tr> <td>3</td> <td>1000</td> <td>750</td> <td>20</td> </tr> </table>	Condition	Applied load (N)	Rotational speed n_r (rpm)	Time percentage (%)	1	5400	150	30	2	2000	200	50	3	1000	750	20	C322.1	10	L3	2.1.3
Condition	Applied load (N)	Rotational speed n_r (rpm)	Time percentage (%)																		
1	5400	150	30																		
2	2000	200	50																		
3	1000	750	20																		
3.	<p>A diesel engine cylinder is made of cast iron. It works on four-stroke cycle with the following data:</p> <p>Brake power = 7.5 kW at 2000 rpm; Mechanical efficiency = 75 %</p> <p>Mean effective pressure = 0.75 MPa; Poisson's ratio = 0.25.</p> <p>Ultimate tensile strength is 300 MPa for cylinder and 350 MPa for bolt. Maximum pressure may be taken eight times the mean effective pressure. Factor of safety = 5.</p> <p>Calculate:</p> <p>(i) Cylinder diameter and length assuming L / D ratio 1.2</p> <p>(ii) Thickness of cylinder</p> <p>(iii) Net longitudinal and hoop stresses</p> <p>(iv) Number of bolts and diameter</p> <p>(v) Flange thickness and diameter</p> <p>(vi) Thickness of cylinder head</p>	C322.2	14	L3	2.1.3																
4.a	What are the inertia forces? How are these accounted in design of a connecting rod?	C322.2	4	L2	1.4.1																
4.b	In what way the design of center crank shaft is different from the design of overhung crank shaft.	C322.2	6	L2	1.4.1																
4.c	"I section is adopted as the cross section of high speed engine connecting rods". Why?	C322.2	4	L2	1.4.1																
5.	<p>A C frame having T-cross section is shown in figure 1. Find the maximum stress induced in the frame for 50 kN load capacity. If the materials permissible stress is 50 MPa, is it safe?</p> 	C322.3	14	L3	2.1.3																

6.a	Differentiate between a compound screw and a differential screw.	C322.3	6	L4	2.1.3
6.b	A single start screw is used to raise a load of 45 kN. The nominal diameter is 60 mm and pitch is 9 mm. The acme threads are used and coefficient of friction is 0.12. Neglecting the collar friction calculate the torque required to raise the load, to lower the load and efficiency of the screw. Also find the stress induced in the core area of the screw.	C322.3	8	L3	2.1.3
7.	Design a cast iron pulley mounted on a shaft of 40 mm diameter to transmit 15kW at 480 rpm using a 200 mm wide flat belt at speed of 20 m/s. Take safe bending stress 15 MPa.	C322.4	14	L3	3.1.2
8	A pair of 4:1 reduction gear is used for transmitting 75 kW at 1200 rpm of pinion. The gears have 20° involute full depth teeth and the material for the pinion and gear is the same with safe bending stress of 150 MPa. Design pair and check for wear and dynamic load.	C322.4	14	L3	3.1.2
9.a	Distinguish among a rocket arm, a bell crank lever, foot lever, cranked lever, lever of a lever loaded safety valve.	C322.5	7	L4	2.1.3
9.b	Design a simple lever for safety valve of a boiler having a gauge pressure of 1MPa. The valve diameter is 60 mm. The dead weight should not exceed 400 N. The maximum length of the lever is 800 mm.	C322.5	7	L4	3.1.2
10.a	A 6 x 19 wire rope, 20 mm diameter is used to lift debris from a well of 60 m deep. The weight of the bucket used to lift the debris is 10 kN. Sheave diameter is 80 times the rope diameter. The lift is to be operated at an acceleration of 1m/s ² . Rope is designed with a factor of safety 8. Determine the stresses induced on the rope.	C322.5	10	L3	2.1.3
10.b	How does the rope diameter affect on the tensile strength of the rope?	C322.5	4	L2	1.4.1

DESIGN OF MACHINE MEMBERS-II ACADEMIC YEAR 2023-24

COURSE OUTCOME WISE MARKS DISTRIBUTION

S.NO	COURSE OUTCOME	MARKS	% OF MARKS
1	C322.1	28	20.00
2	C322.2	28	20.00
3	C322.3	28	20.00
4	C322.4	28	20.00
5	C322.5	28	20.00

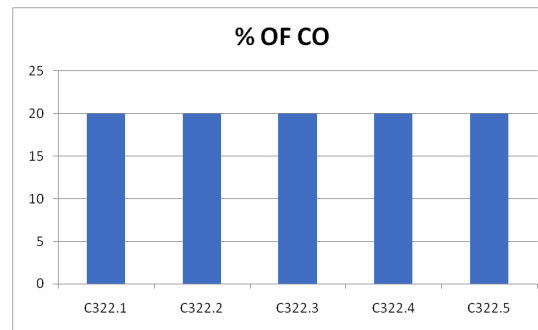


Figure 2.2.2.8: Bar Showing % of CO

BLOOM'S TAXANOMY LEVEL WISE MARKS DISTRIBUTION

S.NO	TAXONOMY LEVEL	MARKS	% OF MARKS
1	L1-REMEMBER	0	0.00
2	L2-UNDERSTAND	22	15.71
3	L3-APPLY	98	70.00
4	L4-ANALYZE	20	14.28
5	L5-EVALUATE	0	0.00
6	L6-CREATE	0	0.00

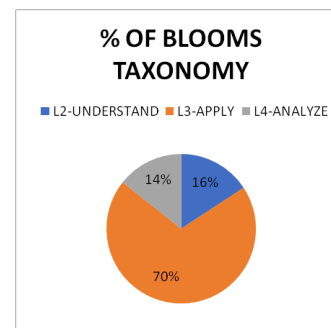


Figure 2.2.2.9: Pie Chart showing Percentages of Bloom's Taxonomy

SAMPLE COPY:

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
NANDAMURU, PEDANA MANDAL, KRISHNA DIST., PIN: 521 369
MID EXAMINATIONS ANSWER BOOK

Year: 2023-24 Semester: III-III Branch: Mechanical Engineering
Mid Exam No.: 01 Subject: AE
Name of the Student: V.S.N.V. Ganadeep Regd. No. 23MQSA0308
No. of Additional Answer Sheets Attached: _____

In Figures: 1
In Words: One

K. Ravani 13-0-2025
Invigilator's sign with date

Instructions to Candidates

- These marks will be considered for Internal marks.
- Write answers legibly on both sides of the paper, indicating the question number and its sub number.
- Leave a margin of 1 1/2 inches left side of each page.
- Attach additional sheets, graph sheets etc to the main answer book securely.
- This answer book should be handed over to the invigilator before leaving the exam hall.

Signature of the Examiner

Q.No.	a	b	c	d	Total
1	2/3	2/3			5
2	2	2/3			4 1/3
3	2/3	2			4 1/3
4					
5					
6					
Total Marks					14

(start writing here)

16) super charger :

The super charger is a device which is used for increased the power of an engine by forcing the compressed air into the combustion chamber. It is connected to the

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

The course coordinator announces assignment topic, submission date and communicates in the class. Assignments are designed in such a way to promote self-learning from various sources . Assignments are evaluated for 5marks and suggestions are given to the students to improve their learning .

Initiatives for implementation of Quality Assessment:

1. Assignments promote practice. Assignments may include theory, problems, design and analysis.
2. A minimum of five assignments are given for every course, and each assignment is evaluated for 5 marks. Finally average of these assignments will be considered.
3. The assignments are being practiced for the continuous improvement of learning capabilities and for good writing skills. These assignment questions are prepared such that all the Blooms Taxonomy levels be covered as far as possible.

Sample Assignment Questions Analysis**ASSIGNMENT ASSESMENT**

SUBJECT: DESIGN OF MACHINE MEMBERS-II ACADEMIC YEAR: 2023-24

Q. No	Question	CO	Marks	TL	PI
1.a	A single row deep groove ball bearing is used to support the layout of a four speed automobile gear box. It is subjected to the following loads in respective speed ratios. The axial load of first gear, second gear, third gear, fourth gear are 3250, 500, 50, nil and the radial load of first, second, third, fourth gear are 4000N, 2750, 2750, nil and % time engaged are 1%, 3%, 21%, 75% respectively. The lay shaft is fixed to the engine shaft and rotates at 1750rpm. the static and dynamic load carrying capacities of bearing 11600 and 17600N the bearing capacity is 4000hrs. find the reliability with which the life could be expected.	C322.1	5	L3	1.4.1
1.b	Compare Rolling and Sliding contact bearings?	C322.1	5	L4	2.3.1
2.a	Explain the function of cylinder and cylinder liner and its types?	C322.2	5	L2	1.3.1
2.b	Determine the dimensions of cross section of connecting rod for a diesel engine: Cylinder bore = 100mm, length of connecting rod = 350mm, maximum gas pressure = 4Mpa, Factor of safety = 6	C322.2	5	L3	1.3.1
3.a	It is required to design a chain drive to connect 5KW, 1400rpm electric motor to a drilling machine. the speed ratio is 3:1. the center distance should be approximately 500mm. 1) select a proper roller chain for the drive 2) Determine the number of chain links 3) specify the correct center distance between the axes of sprockets.	C322.3	5	L3	1.3.1
3.b	Find the efficiency of Screw jack for square and ACME threads?	C322.3	5	L2	1.4.1
4.a	Differentiate Spur and Helical gears?	C322.4	5	L4	1.4.1
4.b	Explain the strength of Helical gears?	C322.4	5	L2	1.4.1
5.a	What is Lever and explain Hand lever, Bell crank lever, Cranked lever. Explain the design procedure of wire ropes.	C322.5	5	L2	1.3.1
5.b	A curved link of the mechanism made from a round steel bar. the material of the link is plain carbon steel 30C8, yield strength = 400N/mm ² and f.s is 3.5. determine dimensions of link.	C322.5	5	L3	1.4.1

S.NO	COURSE OUTCOME	MARKS	% OF MARKS
1	C322.1	10	20
2	C322.2	10	20
3	C322.3	10	20
4	C322.4	10	20
5	C322.5	10	20

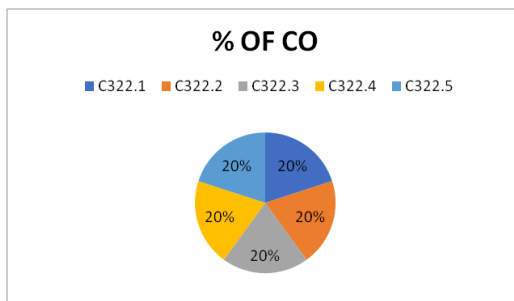


Figure 2.2.2.10 : Pie Chart Showing Percentages of CO

ASSIGNMENT NUMBER	CO-1	CO-2	CO-3	CO-4	CO-5
1	20				
2		20			
3			20		
4				20	
5					20

S.NO	TAXANOMY LEVEL	MARKS	% OF MARKS
1	L1-REMEMBER	0	0
2	L2-UNDERSTAND	20	40
3	L3-APPLY	20	40
4	L4-ANALYZE	10	20
5	L5-EVALUATE	0	0
6	L6-CREATE	0	0

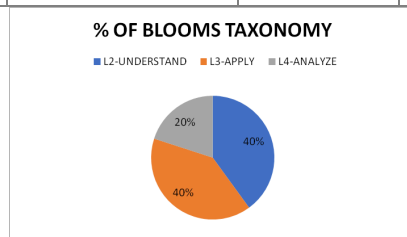
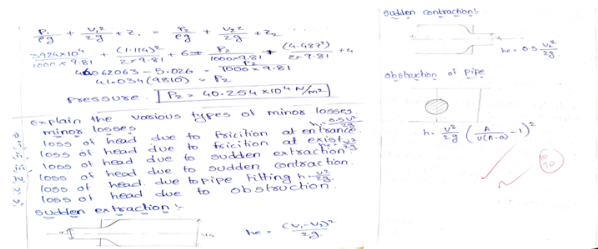


Figure 2.2.2.11: Pie Chart Showing Percentages of Bloom's Taxonomy

SAMPLE ASSIGNMENT COPY:



Assignment test is evaluated for 10 marks and later it is reduced to 5 marks.

It is usual practice to give assignments for some courses. For example an assignment of preparing a composite material sample of student's choice is given in the course advanced materials. Following are the photos of the composite material specimens prepared by students.



Figure 2.2.2.12: Composite specimens

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

COs	CO1	CO2	CO3	CO4	CO5
Internal exam Percentage	16.67	16.67	33.33	16.67	16.67
Assignments	20.48	19.56	19.99	19.99	19.99
University	20	20	20	20	20

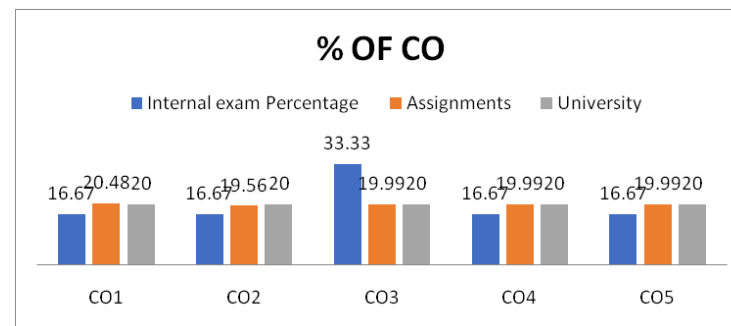


Figure 2.2.2.13: Bar Graph Showing Percentages of CO

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

COs	Remember	Understand	Apply	Analyse	Evaluate	Create
Internal exam Percentage	22.26	49.60	21.28	3.92	2.35	0.59
Assignments	22.26	59.52	13.32	4.32	0.59	0.00
University	22.78	51.98	22.74	2.50	0.00	0.00

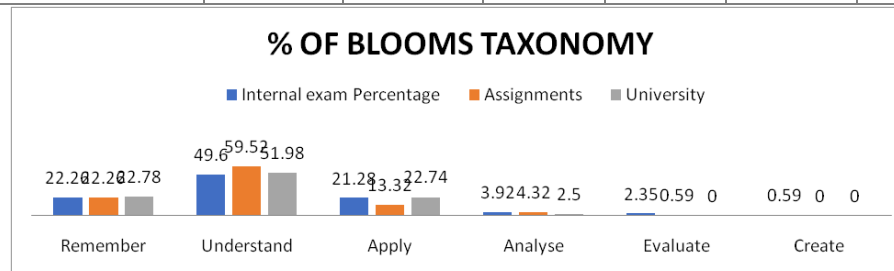


Figure 2.2.2.14: Bar Graph Showing Percentages of Bloom's Taxonomy

Course Outcome Percentages 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

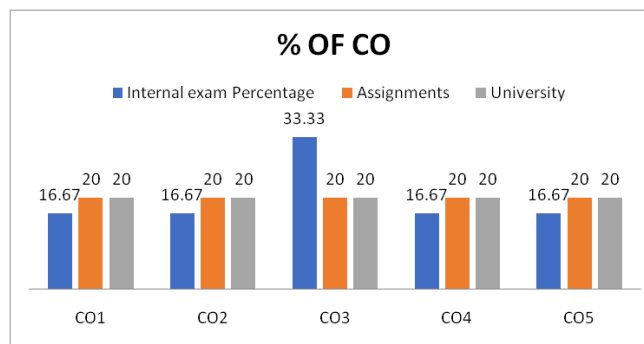


Figure 2.2.2.15: Bar Graph Showing Percentages of CO

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

COs	Remember	Understand	Apply	Analyse	Evaluate	Create
Internal exam Percentage	17.09	51.24	20.91	8.33	2.42	0.00
Assignments	11.91	54.45	26.91	5.27	1.45	0.00

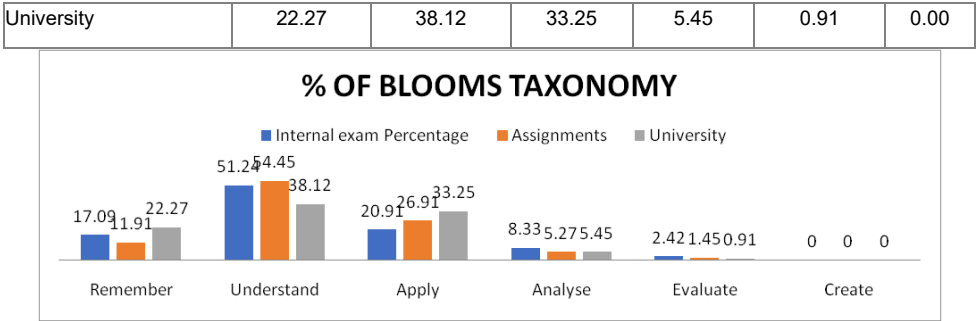


Figure 2.2.2.16: Bar Graph Showing Percentages of Bloom's Taxonomy

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

- 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).
- The scheme of evaluation will be prepared by concerned faculty member with division of marks.
- 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 concerned faculty then itself.
- Any grievance in the semester end examination can be applied to the university in the form of Re-counting and Re- Valuation.

ACADEMIC YEAR: 2024-2025

Hall Ticket No: _____

SRI VASAVI
INSTITUTE OF ENGINEERING & TECHNOLOGY
BANDAMURTHI ROAD, 522,365

III B.Tech. II SEM I Mid Examinations
Branch: ME
Subject: HT
Time: 2:45 TO 4:15
Date: 10-02-2025

Answer all the questions:
All questions carry equal marks **3 × 10 = 30 MARKS**

1. a) Derive a three dimensional generalized heat conduction equation in spherical co-ordinates (C321.1)(Analyze)(3M)
b) A hollow cylinder 5cm inner diameter and 10 cm outer diameter and inner surface temperature of 200°C and outer temperature of 100°C. Determine the temperature of the point half way between inner and outer surfaces. If the thermal conductivity is 70 W/m K. Find the heat through the cylinder per linear meter. (C321.1) (Apply) (2M)

2. a) State and Explain Buckingham π -theorem. (C321.2)(Understand) (2M)
b) Show by dimensional analysis that data for free convection may be correlated by an equation of the form $Nu = f(Gr, Pr)$. (C321.2)(Analyze) (3M)

3. Air at 10°C and at a pressure of 100 KPa is flowing over a plate at a velocity of 3 m/s. If the plate is 30 cm wide and at a temperature of 60°C. Calculate the following quantities at $x=0.3$ m.
(i) Boundary layer thickness
(ii) Local Friction coefficient
(iii) Thermal boundary layer thickness
(iv) Local convective heat transfer coefficient
(v) The heat transfer from the plate (C321.3) (Apply) (5M)

Don't Write Anything on question paper

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)
DEPARTMENT OF MECHANICAL ENGINEERING
A.Y: 2024-25

SCHEME OF EVALUATION

Subject: HEAT TRANSFER I MID

1. a) Heat conduction equation in spherical coordinates:

Diagram	0.5M
Derivation	2.5M

b) Problem:

Given Data	0.5M
Calculation	1.5M

2. a) Buckingham π -theorem:

Explanation	2M
b) Dimensional Analysis applied to free convection:	
Derivation	3M

3. Problem:

Given Data & Property Values	2M
Formulae & Calculation	3M

Total	15M
-------	-----

Figure 2.2.2.17: Question Paper and Scheme of Evaluation for Heat Transfer Subject

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 industrial 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 groups and each group consists of 3 to 5 students.
- 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.
- Department Project Review Committee (DPRC) consisting of Head of the Department, senior faculty members and Project Coordinator evaluates and identifies the best projects by considering factors such as environment, safety, ethics, and cost.

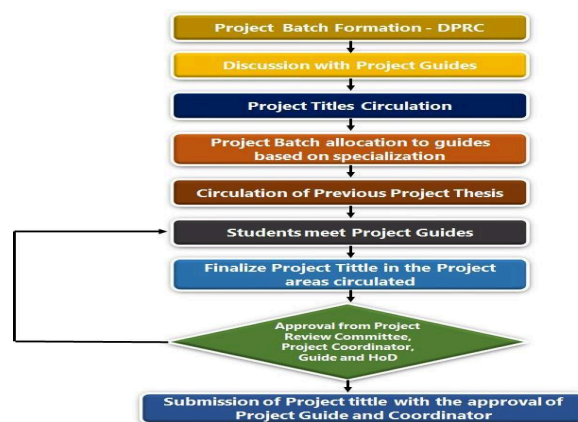


Figure 2.2.3.1 Project Process Flow Chart

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 Abstract 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 Specifcation and implementation 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

Components	Marks (M)	Criteria	Exceptionally well Executed(M>90%)	Good with Room Improvement (70%)	Meets Minimum Requirement (M<70%)
Seminar	5	Content	Excellent organization of slides.	Contains all the details of the Project, but slide organization are average.	Slides do not meet the minimum standard.
	5	Presentation	Excellent communication maintaining time limit.	Average communication skill, but time limit is followed.	Average communication skill, time limit also not followed.
	5	Questioning	Student is able to answer all the questions related to his/her project.	Student is able to answer all the questions related to his/her project Except one or two.	Student is not able to answer many of the questions related to his/her project.
Report	3	Synopsis	Well written synopsis clearly indicating The problem.	Synopsis clearly indicates the problem	Synopsis prepared without clear indication of problem
	4	Literature survey	Excellent. Referred international journals.	Good. Referred national journals.	Poor literature survey
	4	Methodolgy	Methodolgy clearly mentioned inThe report	Missing Methodolgy	Missing Methodolgy
	4	Results and conclusion	All the results are clearly mentioned in the report and the conclusion Is well written.	Report does not contain all the relevant results.	Report does not contain all the relevant results. Conclusion is also not written properly.

SAMPLE BATCH

Review-1 by DPRC

Table2.2.3.3 Rubrics for Review-1

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 study's 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.

Review-2 by DPRC

Table 2.2.3.4 Rubrics for Review-2

Components	Marks (M)	Criteria	Exceptionally well Executed (M>90%)	Good with Room Improvement (70%)	Meets Minimum Requirement (M<70%)
Design and analysis	10	Structure	The study employed a well-structured and appropriate design that effectively addressed the research objectives.	Data was analyzed using suitable methods, providing meaningful insights and supporting the study's conclusions.	The design and analysis together ensured credible, consistent results, enhancing the study's overall trustworthiness.
Implementation	10	Plan	The planned system or solution was implemented effectively, meeting the desired objectives and functionality.	The implementation demonstrated reliable performance, with optimized use of resources and minimal issues.	The solution is designed to be scalable and adaptable, allowing for future enhancements and real-world application.
Expected Results	10	Target	The expected results are directly aligned with the study's goals, ensuring relevance and focus.	Anticipated outcomes aim to contribute meaningful insights or improvements in the targeted field or problem area.	The results are expected to open avenues for further research, development, or real-world application.

Review-3 by DPRC

Table 2.2.3.5 Rubrics for Review-3

Components	Marks (M)	Criteria	Exceptionally well Executed (M>90%)	Good with Room Improvement (70%)	Meets Minimum Requirement (M<70%)
Fabrication	10	Design	The Design is well-structured, optimized, and follows best practices for readability and maintainability.	All key features and requirements were successfully implemented, ensuring the design meets project objectives.	The design is scalable and has been thoroughly tested and debugged, minimizing errors and supporting future enhancements.
Execution	10	Execution	The project was executed according to plan, with each phase completed systematically and on time.	Execution remained focused on meeting the defined objectives, ensuring all critical tasks were accomplished effectively.	Challenges during execution were handled efficiently, demonstrating adaptability and strong project management.
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 confirms the research areas such as Manufacturing Technology, Thermal Engineering, Heat Transfer, Automobile Engineering, Composite Materials and Machine Design.

Department Project Review Committee (DPRC)

- This committee will be responsible for evaluating the timely progress of the projects by interacting with 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.

Academic Year 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

Table 2.2.3.6: Department Project Review Committee

S. No	Name of the Faculty	Designation	Role
--------------	----------------------------	--------------------	-------------

1	Dr. Md. Abid Ali	Assoc. Prof &Head of the Department	Chairman
2	Mr. K. Sukumar	Assistant Professor	Coordinator
3	Dr. D. Raja Ramesh	Professor	Member
4	Mrs. Ch. Anusha	Assistant 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 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 are such that each group has representation of students with varying academic merit, from best to average. In view of this, the following practice is followed

- Total number of students are divided into number of groups such that each group will be having three students. Remaining one or two students will be added to any group randomly.
- 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 other department which is offering the project.

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

Batch No	Reg. No	Name of the Student	Name of the Guide	Title of the Project	Relevance to POs an PSOs
1	21MQ5A0322	Posimetti Venkata Ramu	Dr. D. Raja Ramesh	Explicit Design And Analysis EV Car Body	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	21MQ5A0324	Bonu Yugandhar Sai			
	21MQ5A0313	Nerusu Naga Sai Taraka Lakshman			
	20MQ1A0312	Kakaraparthi Ravi Nageswar			
	20MQ1A0316	Kotti Bala Sai Krishna			
2	21MQ5A0327	Mohammad Naseer	Mr. K. Sukumar	Modeling & Analsys Of Self Piercing Rivet	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	20MQ1A0323	Peddiboyina Venu Siva Naga Babu			
	21MQ5A0316	Sayyad Basheer Ahamad			
	20MQ1A0327	V J Siva Sankara Vara Prasad			
3	21MQ5A0309	K. S. K. N. Malleswara Rao	Mrs. Ch. Anusha	Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator.	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	21MQ5A0315	Sanaka Vamsi Krishna			
	21MQ5A0320	Kolusu Bhanu Prakash			
	20MQ1A0310	Jogi Soma Sekhara Sri Ram			

4	21MQ5A0319	Vannima Reddy Prakash	Ms. D. Khyathimai	Fabrication Of Solar Grass Cutter Using Android Mobile	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	20MQ1A0325	Vannemreddy Ganesh Kumar			
	20MQ1A0303	Bandaru Jaya Naga Sai			
	20MQ1A0326	Veeranki Srinivas			
5	21MQ5A0306	Jangam Vijay Kumar	Mr.D. Kiran Babu	Modeling And Fabrication Of Smart Solar Scare Crow	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	21MQ5A0305	Inteti Vamsi			
	21MQ5A0318	Ummidiseeti Sai Phanindra			
	20MQ1A0304	Balagam Venkata Ramana			
6	21MQ5A0330	Namu Kranthi Kumar	Mr. V. Ravi	Fabrication Of Chemical Spray Robot Operated With Android Mobile	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	21MQ5A0307	Kagitha Naga Sai Prasad			
	21MQ5A0317	Seelam Mohan Sai			
	20MQ1A0307	Ganjala Sri Bhanu Prakash			
7	21MQ5A0308	K. Likhith Sai Naga Venkata Narayan	Mr. T. Durgaprasad	Design And Fabrication Of Intelligent Braking System	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	20MQ1A0314	Konatham Mahesh			
	20MQ1A0309	Jogi Naga Durga Vara Prasad			
	20MQ1A0315	Kotari Srinivas Babu			
8	21MQ5A0325	Pallikonda Dileep	Mrs. K. Lakshmi Priya	Fabrication, Performance & Analysis Of Floating & Sun Tracking Solar Panel	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	21MQ5A0302	Botla Krishna Vamsi			
	20MQ1A0322	Naragani Vasu			
	21MQ5A0304	Gunnam Venkata Ramana			
9	20MQ1A0311	Kagitha Pradeep Kumar	Mr. K. Sukumar	Fabrication Of Solar Based Aerator And Controller For Aquaculture	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	20MQ1A0324	Sudabattula Vijay Kumar			
	20MQ1A0308	Gudiseva Naga Sandeep			
	20MQ1A0301	Araja Chandhini			
10	21MQ5A0326	Mallela Siva Teja	Mrs. Ch. Anusha	Investigation On Mechanical And Tribological Behaviour Of Al6061/ Sicbagasse Ash Hybrid Reinforced Metal Matrix Board Using Stir Casting	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	21MQ5A0323	Gudavalli Naveen			
	20MQ1A0313	Kancharlapalli Victor			
	20MQ1A0302	Abdul Hafeezur Rahman			
11	21MQ5A0301	Boppe Ganesh	Ms. D. Khyathimai	Design And Optimization Of Excavator Arm	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	21MQ5A0303	Godavarthi Ravi Chandu			
	21MQ5A0310	Maddirala Santhosh			
	20MQ1A0319	Merugumala Pavan Manikanta			

12	21MQ5A0311	Motepalli Bhargava	Mr. D. Kiran Babu	Fabrication Of Solar Power Crack Detection System For Railway Track	POs:1,2,3,4,5,6,7,8,9,10,11,12, PSO1,PSO2
	21MQ5A0321	Pandi Manikya Rao			
	21MQ5A0312	Munagala Yaswanth			
	20MQ1A0306	Gajula Syam Sundar			

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 2.2.3.7: 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 progress and attendance register is maintained, and submit the evaluated marks to DPRC at the time of respective project group presentation. Project coordinator must arrange regular meetings with students and supervisor to update their work progress. The students must note all concepts, drawings, formulae, derivations, experimental observations, graphs, charts, photographs which must be shown to DPRC members at the time of reviews.

DPRC and Guide's/ Supervisor Evaluation of Marks

Table 2.2.3.8: 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 2.2.3.9: Sample Review -1 Evaluation Form of Reviewer 1

Sl.No	Roll.No	Batch No	Name of the Guide	Title of the project	Title & Feasibility (10M)	Abstract & Depth of Knowledge (10M)	Presentation (10M)	Total (30M)

1	21MQ5A0322	1	Dr.D.Raja Ramesh	Explicit Design And Analysis EV Car Body	10	10	9	29
2	21MQ5A0324				10	10	8	28
3	21MQ5A0313				10	10	9	29
4	20MQ1A0312				9	9	8	26
5	20MQ1A0316				9	10	8	27

- 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 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 10-15 slides. Students add graphical (Pictures, block diagrams, flowcharts, etc.,) information related to content in the presentation wherever 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.

1. Abstract
2. Introduction
3. Literature Survey

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

1. Design specification
2. Implementation

The 3rd Project review presentation will review the following during 15th Week

1. Implementation & Execution
2. Final Report
3. Over all Presentation

Sample Assessment of Project Internal Marks

Academic Year 2023-24

IV B. Tech II Semester Project Work

Review Consolidated Report

Table 2.2.3.10: Sample Review Consolidated Report

Sl.No	Roll.No	Batch No	Name of the Guide	Title of the project	REVIEW1 (30 M)	REVIEW2 (30 M)	REVIEW3 (30 M)	Review Average (30 M)	Day To Day Evaluation (30 M)	Total Internal (60 M)
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1	21MQ5A0322	1	Dr.D.RAJA RAMESH	EXPLICIT DESIGN AND ANALYSIS EV CAR BODY	29	29	30	30	30	60
2	21MQ5A0324				29	29	30	30	29	59
3	21MQ5A0313				29	29	28	29	29	58
4	20MQ1A0312				27	28	29	28	29	57
5	20MQ1A0316				28	29	28	29	27	56

- 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 Marks for Project Work External Examination

Table 2.2.3.11: Distribution of 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	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 three times as per schedule
- 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 and Co-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 will 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 for projects. Abilities (Verbal/Non-Verbal) of students were improved
- Knowledge on various aspects of project management was developed
- Confidence level of the students was boosted
- Team work spirit was 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)

Project Title: FABRICATION AND ANALYTICAL ANALYSIS OF BIOGAS DIGESTER

Name of the Guide: Mr. K. Sukumar

Name of the Student: M.Rohith Kumar, S.Datta Kalyan, Chillimuntha Manikanta Balaji, R. Tarun Ajay

Table 2.2.3.12: CO-PO Matrix for Project

Description of the Report	Mapped CO	MappedPO
Describe the abstract of the project	CO1	PO1,PO2,PO9,PO10,PO12,PSO1,PSO2
Collect the information about the project	CO2	PO1,PO2,PO3,PO4,PO9,PO10,PO12,PSO1,PSO2
Identify the time duration and cost required to develop the project	CO3	PO1,PO2,PO4,PO9,PO10,PO11,PO12,PSO1,PSO2
Implement and test the project which is useful to the society	CO4	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10,PO12,PSO1,PSO2
Describe the summary of the project and identify the impact of the project in the society	CO5	PO1,PO2,PO3,PO4,PO6,PO7,PO8,PO9,PO10,PO12,PSO1,PSO2

Table 2.2.3.13: PO1 to PO12 & PSOs

PO1	Engineering Knowledge	PO7	Environment & Sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/Develop solutions	PO9	Individual and Teamwork
PO4	Complex problem solving	PO10	Communication skills
PO5	Modern Tools usage	PO11	Project Management & finance

PO6	Engineer & Society	PO12	Lifelong learning
PSO1	Good technical knowledge to get through the competitive examinations for employment/higher studies		
PSO2	Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society.		

Table 2.2.3.14: Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator CO Attainment

PROJECT CO ATTAINMENT									
A.Y		2023-24			Name of the Guide:			Mrs.CH.ANUSHA	
		Name of Project		Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator					
Batch. No				3					
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	21MQ5A0309	28	29	30	29	30	59	10	
2	21MQ5A0315	28	29	30	29	29	58	10	
3	21MQ5A0320	29	29	30	30	30	60	10	
4	20MQ1A0310	22	22	23	23	27	50	10	
	Average Mark	27	27.25	28	27.75	29	56.75	10	AVG
	% Marks	90%	91%	93%		97%		33%	
	Attainment	3	3	3		3		3	
	CO 1	3.00				3.00		3.00	3.00
	CO 2	3.00				3.00		3.00	3.00
	CO 3		3.00			3.00		3.00	3.00
	CO 4			3.00		3.00		3.00	3.00
	CO 5			3.00		3.00		3.00	3.00
					Academic Performance				3.00
								Attainment	
	Academic performance(60%Weightage)							3.00	3*0.6=1.8
	Project Outcomes (Prizes/Prototypes/Publications/Bestproject)(40%Weightage)							2.00	2*0.4=08
			Over all					2.6	

<u>Rubrics:</u>	
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Academic Performance	Attainment
<80%	1
80-90%	2
>=90%	3

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

Table 2.2.3.15: Average Values of POs from CO-PO Matrix of Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Mapping	3	3	2	2	1	1	1	2	3	3	2	2	1	3

Average Values of Pos from CO-PO Matrix for All Project Batches

Table 2.2.3.16: Average Values of Pos from CO-PO Matrix for All Project Batches

BATCH	Regd. No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	21MQ5A0322	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	21MQ5A0324														
	21MQ5A0313														
	20MQ1A0312														
	20MQ1A0316														
2	21MQ5A0327	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	20MQ1A0323														
	21MQ5A0316														
	20MQ1A0327														
3	21MQ5A0309	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	21MQ5A0315														
	21MQ5A0320														
	20MQ1A0310														
4	21MQ5A0319	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	20MQ1A0325														
	20MQ1A0303														
	20MQ1A0326														

5	21MQ5A0306	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	21MQ5A0305														
	21MQ5A0318														
	20MQ1A0304														
6	21MQ5A0330	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	21MQ5A0307														
	21MQ5A0307														
	20MQ1A0307														
7	21MQ5A0308	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	20MQ1A0314														
	20MQ1A0309														
	20MQ1A0315														
8	21MQ5A0325	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	21MQ5A0302														
	20MQ1A0322														
	21MQ5A0304														
9	20MQ1A0311	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	20MQ1A0324														
	20MQ1A0308														
	20MQ1A0301														
10	21MQ5A0326	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	21MQ5A0323														
	20MQ1A0313														
	20MQ1A0302														
11	21MQ5A0301	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	21MQ5A0303														
	21MQ5A0310														
	20MQ1A0319														
12	21MQ5A0311	3	3	2	2	1	1	1	2	3	3	2	2	1	3
	21MQ5A0321														
	21MQ5A0312														
	20MQ1A0306														

	Overall	3.00	3.00	2.00	2.00	1.00	1.00	1.00	2.00	3.00	3.00	2.00	2.00	1.00	3.00
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E. Quality of completed projects/working prototypes (5)

Table2.2.3.17: List of Prototypes for Academic Year 2023-2024 (Batch 2020 -24)

S. No	Roll No	Title of the project	Batch No.	Name of the Supervisor
1	21MQ5A0319	FABRICATION OF SOLAR GRASS CUTTER USING ANDROID MOBILE	4	Ms.D.KHYATHIMAI
2	20MQ1A0325			
3	20MQ1A0303			
4	20MQ1A0326			
5	21MQ5A0306	MODELING AND FABRICATION OF SMART SOLAR SCARE CROW	5	Mr.D.KIRAN BABU
6	21MQ5A0305			
7	21MQ5A0318			
8	20MQ1A0304			
9	21MQ5A0330	FABRICATION OF CHEMICAL SPRAY ROBOT OPERATED WITH ANDROID MOBILE	6	Mr.V.RAVI
10	21MQ5A0307			
11	21MQ5A0317			
12	20MQ1A0307			
13	21MQ5A0308	DESIGN AND FABRICATION OF INTELLIGENT BRAKING SYSTEM	7	Mr.T.DURGAPRASAD
14	20MQ1A0314			
15	20MQ1A0309			
16	20MQ1A0315			
17	21MQ5A0325	FABRICATION, PERFORMANCE & ANALYSIS OF FLOATING & SUN TRACKING SOLAR PANEL	8	Mrs.K.LAKSHMI PRIYA
18	21MQ5A0302			
19	20MQ1A0322			
20	21MQ5A0304			

21	20MQ1A0311	FABRICATION OF SOLAR BASED AERATOR AND CONTROLLER FOR AQUACULTURE	9	Mr.K. SUKUMAR
22	20MQ1A0324			
23	20MQ1A0308			
24	20MQ1A0301			
25	21MQ5A0311	FABRICATION OF SOLAR POWER CRACK DETECTION SYSTEM FOR RAILWAY TRACK	12	Mr.D.KIRAN BABU
26	21MQ5A0321			
27	21MQ5A0312			
28	20MQ1A0306			

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

Summary of Best Projects

The university will appoint an examiner and he will go through all the prototypes developed by students as part of their 4th year 2nd semester project work and identify the three best projects from each section and every year

Table 2.2.3.18: Best Projects for the Academic Year 2023-24

Sl. No	Roll. No	Student Name	Title of the Project	Name Of The Guide
1	20MQ1A0311	KAGITHA PRADEEP KUMAR	FABRICATION OF SOLAR BASED AERATOR AND CONTROLLER FOR AQUACULTURE	Mr.K. SUKUMAR
	20MQ1A0324	SUDABATTULA VIJAY KUMAR		
	20MQ1A0308	GUDISEVA NAGA SANDEEP		
	20MQ1A0301	ARAJA CHANDHINI		
2	21MQ5A0309	K. S. K. N. MALLESWARA RAO	EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER CHARACTERISTICS USING NANO FLUIDS IN AN AUTOMOTIVE RADIATOR.	Mrs.CH.ANUSHA
	21MQ5A0315	SANAKA VAMSI KRISHNA		
	21MQ5A0320	KOLUSU BHANU PRAKASH		
	20MQ1A0310	JOGI SOMA SEKHARA SRI RAM		
3	21MQ5A0326	MALLELA SIVA TEJA	INVESTIGATION ON MECHANICAL AND TRIBOLOGICAL BEHAVIOUR OF AL6061/ SICBAGASSE ASH HYBRID REINFORCED METAL MATRIX BOARD USING STIR CASTING	Mrs.CH.ANUSHA
	21MQ5A0323	GUDAVALLI NAVEEN		
	20MQ1A0313	KANCHARLAPALLI VICTOR		
	20MQ1A0302	ABDUL HAFEEZUR RAHMAN		

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Accredited by NBA (Mech, ECE & CSE) & NAAC with 'A' Grade					
Nandamuru, Pedana Mandal, Krishna Dist – 521369.					
DEPARTMENT OF MECHANICAL ENGINEERING					
IV B.TECH II SEM MECH (Academic Year 2023-24)					
Sl.No	Roll.No	Student Name	Batch	Project title	Remarks
1	21MQ5A0322	POSIMSETTI VENKATA RAMU	1	Explicit design and analysis of EV car body	
2	21MQ5A0324	BONU. YUGANDHAR SAI			
3	21MQ5A0313	NERUSU NAGA SAI TARAKA LAKSHMAN			
4	20MQ1A0312	KAKARAPARTHI RAVI NAGESWAR			
5	20MQ1A0316	KOTTI BALA SAI KRISHNA	2	Modeling and analysis of self pearcing rivit	
6	21MQ5A0327	MOHAMMAD NASEER			
7	20MQ1A0323	PEDDIBOYINA VENU SIVA NAGA BABU			
8	21MQ5A0316	SAYYAD BASHEER AHAMAD			
9	20MQ1A0327	VEMURI JANARDAN SIVA SANKARA VARA PRASAD	3	Experimental investigation of heat transfer characteristics using nano fluids in an automotive radiator	20
10	21MQ5A0309	K.S.K.N.MALLESWARAO			
11	21MQ5A0315	SANKA VAMSI KRISHNA			
12	21MQ5A0320	KOLUSU BHANU PRAKASH			
13	20MQ1A0310	JOGI SOMA SEKHARA SRI RAM	4	Fabrication of solar grass cutter using android mobile	
14	21MQ5A0319	VANNIMAREDDY PRAKASH			
15	20MQ1A0325	VANNEMREDDY GANESH KUMAR			
16	20MQ1A0303	BANDARU JAYA NAGA SAI			
17	20MQ1A0326	VEERANKI SRINIVAS	5	Modeling and Fabrication of Smart solar scare crow	-
18	21MQ5A0306	JANGAM VIJAY KUMAR			
19	21MQ5A0305	INTETI VAMSI			
20	21MQ5A0318	UMMIDISEETI SAI PHANINDRA			
21	20MQ1A0304	BALAGAM VENKATA RAMANA	6	Fabrication of chemical spary robot operated with Andriod mobile	
22	21MQ5A0330	NAMU KRANTHI KUMAR			
23	21MQ5A0307	KAGITHA NAGA SAI PRASAD			
24	21MQ5A0317	SEELAM MOHAN SAI			
25	20MQ1A0307	GANJALA SRI BHANU PRAKASH	7	Design & Fabrication of intelligent breaking system	
26	21MQ5A0308	KOLLIPARA LIKITH SAI NAGA VENKATA NARAYAN			
27	20MQ1A0314	KONATHAM MAHESH			
28	20MQ1A0309	JOGI NAGA DURGA VARA PRASAD			
29	20MQ1A0315	KOTARI SRINIVAS BABU			

Sl.No	Roll.No	Student Name	Batch	Project title	Remarks
30	21MQ5A0325	PALLIKONDA DILEEP	8	Fabrication,Performance & Analysis of Floating and sun tracking solar panel monitoring	
31	21MQ5A0302	BOTLA KRISHNA VAMSI			
32	20MQ1A0322	NARAGANI VASU			
33	21MQ5A0304	GUINNAM VENKATA RAMANA			
34	20MQ1A0311	KAGITHA PRADEEP KUMAR	9	Fabrication of solar based aerator & controller for aquaculture	10
35	20MQ1A0324	SUDABATTULA VIJAY KUMAR			
36	20MQ1A0308	GUDISEVA NAGA SANDEEP			
37	20MQ1A0301	ARAJA CHANDHINI			
38	21MQ5A0326	MALLELA SIVA TEJA	10	Investigation on mechanical and tribological behaviour of Al6061i/sic/bagasse ash hybrid reinforced metal matrix composites by using stir causting	30
39	21MQ5A0323	GUDAVALLI NAVEEN			
40	20MQ1A0313	KANCHARLAPALLI VICTOR			
41	20MQ1A0302	ABDUL HAFEEZUR RAHMAN			
42	21MQ5A0301	BOPPE GANESH	11	Design and optimization Excavator Arm	
43	21MQ5A0303	GODAVARTHI RAVI CHANDU			
44	21MQ5A0310	MADDIRALA SANTHOSH			
45	20MQ1A0319	MERUGUMALA PAVAN MANIKANTA			
46	21MQ5A0311	MOTEPALLI BHARGAVA	12	Fabrication of solar power crack detection system for Railway tracks	
47	21MQ5A0321	PANDI MANIKYA RAO			
48	21MQ5A0312	MUNAGALA YASWANTH			
49	20MQ1A0306	GAJULA SYAM SUNDAR			

Table 2.2.3.19: Best Projects for the Academic Year 2022-23

Sl.No	Roll.No	Student Name	Title of the Project	Name Of The Guide
1	20MQ5A0308	Cheboyina Naga Sai	Fabrication Of Multi Purpose Voice Controlled Robot By Using Python Programming Language	Mrs. Ch. Anusha/ Mr.V. Satish Kumar
	20MQ5A0329	Vasana Uday Bhaskar		
	19MQ1A0303	Mohammad Abdulla Basha		
	20MQ5A0303	Appikatla Raju		
2	20MQ5A0310	Jinka Sri Ram	Fabrication Of Alcohol Detection And Motor Locking System By Using Ardino Sensor	Ms. D. Khyathimai
	20MQ5A0327	Sudani Durga Prasad		
	20MQ5A0316	Mogili Veera Venkata Satish		
	20MQ5A0304	Batta Siva Manoj		

3	20MQ5A0307	Challa Chandra Sekhara Srinivas	Fabrication Of Solar Based Robotic Arm Controlled By Android Phone	Dr. D. Raja Ramesh/ Mr. D. Kiran Babu
	20MQ5A0324	Puli Manikanta		
	20MQ5A0319	Pamarti Mahesh		
	20MQ5A0313	Komati Subrahmanyam		

Table 2.2.3.20: Best Projects for the Academic Year 2021-22

Sl.No	Roll.No	Student Name	Title of the Project	Name Of The Guide
1	19MQ5A0335	Varre Bhavani Sankar	Analysis Of Composite Leaf Spring	Dr. D.Raja Ramesh
	19MQ5A0328	Petla Tarun Teja		
	19MQ5A0311	Gorla Kond Raju		
2	19MQ5A0323	M.Rohith Kumar	Fabrication And Analytical Analysis Of Biogas Digester	Mr.K Sukumar
	19MQ5A0330	S.Datta Kalyan		
	19MQ5A0307	Chillimuntha Manikanta Balaji		
3	19MQ5A0303	Arepalli Siva Sai	Fabrication And Analysis Of Electromagnetic Braking System	Mrs.Ch.Anusha
	19MQ5A0327	Periseti Mohan Naga Venkata Kumar		
	18MQ1A0311	Parise Rakesh		
	18MQ1A0305	Kagitha Lakshmi Pathi		

Evidences of Papers Published

List of Paper Publications

The list of paper publications by student's project outcomes of the academic year 2024-25 (Batch 2020-2024).

Table 2.2.3.21: Student Paper Publications for batch 2020-24

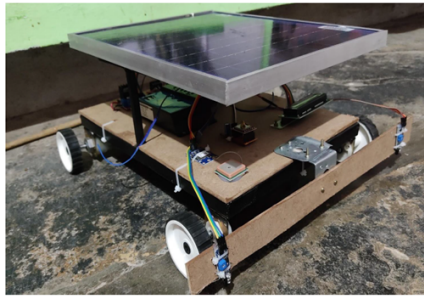
S.No	Name of the Students	Title of the Paper	Name of the Journal	Volume , Issue No& Page No	Issn Number and Year of Publication
1	B. Ganesh, G. Ravi Chandu, M. Santhosh, M. Pavan Manikanta	Design And Optimization Of Excavator Arm	Industrial Engineering Journal	Volume : 53, Issue 9,466-471	0970-2555 & September : 2024
2	K. Malleswara Rao, K. Bhanu Prakash, S. Vamsi	Experimental Investigation Of Heat Transfer Characteristics Using Nanofluids In An Automotive Radiator	Industrial Engineering Journal	Volume : 53, Issue 9,472-479	0970-2555 & September : 2024

3	P.Venkataramu B.Yugandharsai, N.N.S.T.Lakshman, K.Ravinageswar, K.Balasaikrishna	Explicit design and analysis of EV car body	Industrial Engineering Journal	Volume : 53, Issue 9,480-487	0970-2555 & September : 2024
4	K. Pradeep Kumar, S. Vijay Kumar, G. Naga Sandeep, A. Chandhini	Fabrication of solar-based aerator and controller For aquaculture	Industrial Engineering Journal	Volume : 53, Issue 9,488-494	0970-2555 & September : 2024
5	M.Bhargava, P.Manikya Rao, M.Yashwanth, G.Syam Sundar	Fabrication Of Solar Power Crack Detection System For Railway Track	Industrial Engineering Journal	Volume : 53, Issue 9,495-500	0970-2555 & September : 2024
6	P. Dileep, B. Krishna Vamsi, N. Vasu G. Venkata Ramana	Fabrication & performance analysis of floating & sun Tracking solar panel	Industrial Engineering Journal	Volume : 53, Issue 9,501-507	0970-2555 & September : 2024
7	M. Siva Teja, G. Naveen, K. Victor, A. Hafeezur Rehman	Investigation on mechanical and tribological Behaviour of al6061/ sic/bagasse ash hybrid reinforced Metal matrix composites using stir casting.	Industrial Engineering Journal	Volume : 53, Issue 9,508-514	0970-2555 & September : 2024

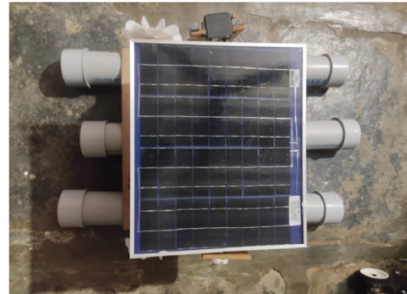
List of Paper Publications The list of paper publications by student's project outcomes of the academic year 2022-23 (Batch 2018-2022) .

Table 2.2.3.22: Student Paper Publications for batch 2018-22

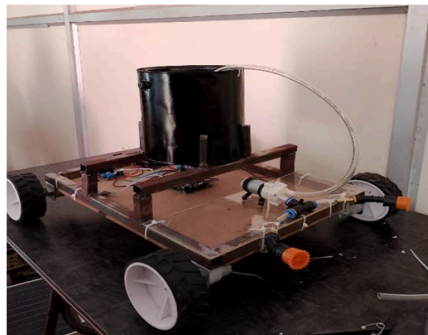
S.No	Name of the Students	Title Of The Paper	Name Of The Journal	Month and Year Of Publication	ISSN Number
1	V.Bhavani Sankar, Petla Tarun Teja, Gorla Kond Raju	Analysis of Composite Leaf Spring	Dogo Rangsang Research Journal	February 2023	ISSN : 2347-7180
2	M.Rohith Kumar, S.Datta Kalyan, Ch.Manikanta Balaji	Fabrication And Analytical Analysis of Biogas Digester	Dogo Rangsang Research Journal	February 2023	ISSN : 2347-7180
3	P.Venkata Reddy, B.Kali Krishna, G.Venkata Rajesh, K.Pavan Kumar	Modeling And Analysis of Grain Bagging Through Vacuum Machine	Dogo Rangsang Research Journal	February 2023	ISSN : 2347-7180
4	Mohammad Momin, V.Prem Sai Srinivas, K. Lakshmi Pranay, P.Harsha Vardhan	Modeling & Fabrication of E-Baby Cradle System	Dogo Rangsang Research Journal	February 2023	ISSN : 2347-7180
5	Arepalli Siva Sai, P.Mohan, Parise Rakesh, K. Lakshmi Pathi	Fabrication & Analysis of Electro Magnetic Braking System	Dogo Rangsang Research Journal	February 2023	ISSN : 2347-7180



Fabrication Of Solar Power Crack Detection System For Railway Track



Fabrication, Performance & Analysis Of Floating & Sun Tracking Solar Panel



Fabrication Of Chemical Spary Robot Operated With Android Mobile



Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator

2.2.4 Initiative related to industry interaction (15)

Institute Marks : 15.00

A. Industry Supported Laboratories(5)

Industry Supported Laboratories

With the focus on skill and industry professionals, the institute established an e-Yantracentre 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 RoomNo	Nameof the Laboratory	Nameof 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 MECH 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	Vidal International, Hyderabad	01/08/2018 to 31/09/2026
2	Aon Consulting Private Limited	01/11/2015 to 31/10/2024
3	Eduskills	12/06/2020 to 12/06/2026
4	Leo Global Overseas	20/10/2022 to lifelong
5	ExcelR Solutions,Bengaluru	17/5/2023 to 16/5/2026

<p>On behalf of VIDAL INTERNATIONAL</p>  <p>Authorized sign with seal</p>	<p>On behalf of SVIET</p>  <p>Authorized sign with seal</p>
--	--

4. TERMS AND TERMINATIONS:

- This MOU is valid from **01 August 2024** to **31 September 2026**.
- Unless extended by mutual written agreement of the participants, this MOU expires in **Two years** after its enforcement, which is from the date specified on the MOU.
- This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time.
- However, early termination of this MOU, whether mutual or unilateral, shall not affect the interests of the participants, and the confidentiality of participants is to be taken as most important of all & any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

5. RELATIONSHIP

Nothing in this MOU makes either party, a partner or an agent or legal representative of the other by any means.

6. ASSIGNMENT

It is understood by the parties here in this MOU are based on the professional competence and expertise of each party and hence neither party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

7. COSTS OF THE MOU

Each party shall bear the respective costs of carrying out the obligations under this MOU.

Figure 2.2.4.1: MOU with VIDAL INTERNATIONAL.

Greetings from Aon Assessment Solutions!

This has reference to our discussions with you regarding the engagement by **Sri Vasavi Institute of Engineering & Technology** ("Client") of **Aon Consulting Private Limited** ("Aon"), for availing the Services defined hereinafter. We are bringing on record the following terms of our engagement. Please send us an **email confirmation on the below Scope, Fees and the General Terms & Conditions along with the signed copy of attached agreement from your end.**

In the event of a conflict with any Purchase Order or other documents issued by the Client based on this Agreement, the terms of this Agreement shall prevail.

1. Scope of Services and Project Plan –

Our scope of services for this Agreement will be limited to **CoCubes Final Year Program – Engineering – 2024 Batch** and will include the following:

Offering	Degree	Batch	Count of Students	Actual Unit Price	Unit Price for SVIET Students
7 DCT's + 2 CoCubes	B.Tech	2024	80	INR 1532 inclusive of tax	INR 1200 inclusive of tax

2. Timelines

This Agreement shall commence on **30th October 2023** (the "**Effective Date**") and shall remain in effect for a period of **1 Year** ("**Term**"), unless terminated earlier in accordance with the provisions of this Agreement. Any deviation/delay, that impacts the timelines from the project plan and is not attributable to Aon, shall not constitute a delay by Aon.

Figure 2.2.4.2: MOU with Aon Consulting Private Limited



Figure 2.2.4.3: MOU with Eduskills.

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

Sri Vasavi Institute of Engineering & Technology
AND
LEO Global Overseas

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 21st day of Oct 2022 by and between Sri Vasavi Institute of Engineering & Technology

The First Party represented herein by its Principal, Dr. D. Raja Ramesh And LEO Global Overseas. The second party and represented herein by its Director, Mr. Veeranjanyulu Lagadapati (Managing Director)

WHEREAS:

- A) First Party is a Higher Educational Institution named: Sri Vasavi Institute Of Engineering & Technology.
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture.
- D) LEO Global Overseas - the Second Party is engaged in providing overseas career consultancy and placement services.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

Figure 2.2.4.4: MOU with Leo Global Overseas.

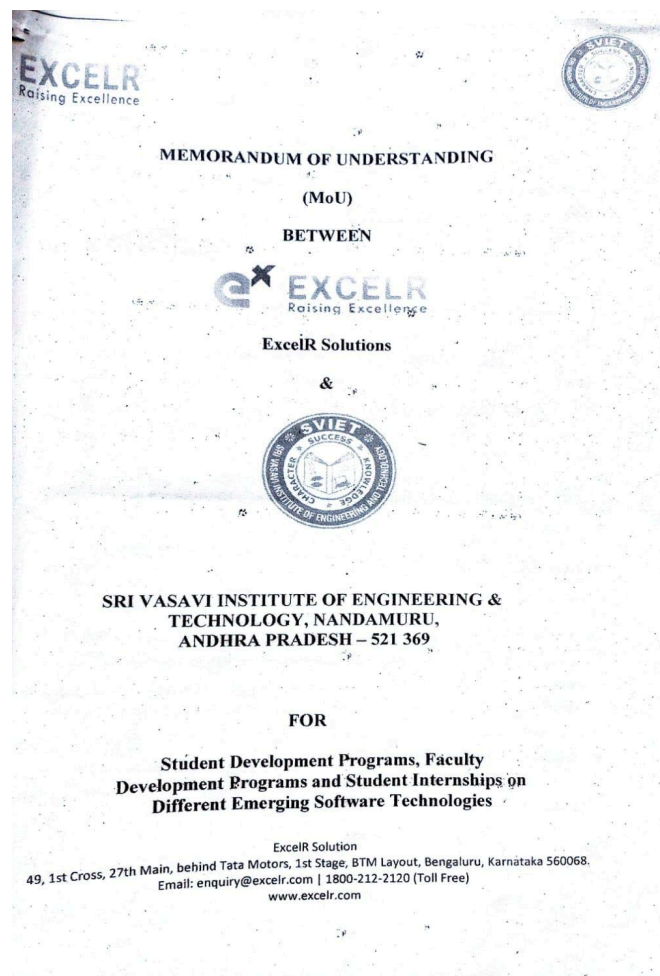


Figure 2.2.4.5: MOU with ExcelR Solutions.

The department invites experts from industries to deliver lectures to students. During the lecture, students can raise questions and interact with the experts from industry.

A report is prepared about the guest lecturer and work shops, and the feedback from the students is collected for improvement in future guest lectures.

Table 2.2.4.3 Workshops Organized

S.NO	Date	Name of the event	Name of the coordinator/s	Resource person details
1	16-08-2023 to 17-08-2023	Workshop on non-destructive testing by Vidal international	D Kyathimai	A.Sandhya Managing Director,Hyderabad
2	16-03-2023 to 17-03-2023	Workshop on non-destructive testing by Vidal international	D Kyathimai	J.Sai Sandeep Senior Manager Hyderabad
3	20-05-2022 to 21-05-2022	Two day workshop on designing solar pv systems	Mr. P. Bhargava Kumar	B. Purushotham manager, GreenvionEnergy technologies, Hyderabad,
4	29/10/2021-30/10/2021	Two day workshop on CATIA	K Sukumar	M.Bhujanga Rao ECTC, vijayawada

Table 2.2.4.4 Guest Lectures Organized

S.NO	Date	Name of the event	Name of the coordinator/s	Resource person details
1	16-02-2023	Guest Lecture on “Basics of casting”	D Kiran Babu	Mr. K kalyankumar, Lead Engineer, Axicades technologies.
2	16-02-2023	Guest lecture on “robotics ”	D Kiran Babu	Mr. K kalyankumar, Lead Engineer, Axicades technologies.
3	30-09-2021	Present scenario of opportunities in industries, employability skills for budding engineers	V Satish Kumar	P.V.Sai Dhath General manager SSD polymers

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 got first prize inSIH Senior Software Edition category of Smart India Hackathon- 2022 Competition @ SVCET, PUDUCHERRY. Team PHOENIX received a Cash Prize of 1 Lakh Rupees.



Figure 2.2.4.7: cash prize

Impact of Guest Lectures:

- Guest lectures by technical experts from various reputed industries enhanced the knowledge of the students in advanced technical domains to explore career opportunities.
- Guest lecturers provide an important educational experience for students based on their real-world life experiences. Students get to see the insight and perspective of the guest lecturers specific field. The format can enable students to interact with professionals in formal and informal settings.
- Students thereby build important connections between what they have learned and the real world.
- Guest Lectures also improves the chances of higher education prospects in the core areas.
- Guest lecturers bring an authentic, vivid picture of the real world to students, thereby enabling Trans disciplinary

Impact of workshops:

1. Workshops can help one to learn and grow further through the way of collaborative and practical learning. Seminar, workshops are very important with regular academics, they update students with changes in technologies and its requirements. These activities provide overall development of students.
2. Workshops and presentations are extremely beneficial to students since they enable them to evaluate, stay up to date on current events, comprehend concepts, and build their network.
3. Students will develop competency as a result of participation in the workshops.
4. Hands on Experience will improve the students practical knowledge significantly

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SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (Code: MQ)
 Accredited by NAAC with 'A' Grade & NBA (CSE, ECE & ME)
 Approved By AICTE, NEW DELHI .. Affiliated to JNT JK, Kakinada
 An ISO 9001:2015 Certified Institute. Nandamuru, Pedana Mandal, Krishna
 Dt. 521369
 Tel : 08672 241387

STUDENT FEEDBACK

Faculty : DR.SANTOSH KUMAR
 Subject : Advanced Joining Technologies (B.Tech, 3/4 Semester-II, MECHANICAL Sec-A)
 Academic Year : 2023 - 2024
 Phase : Guest Lectures-I

No	Question	Excellent	Good	Average	Poor	Q.Wise Total	Q.Wise %
12	Is the Industrial Interactive Lecture informative	9	3	2	2	85	80.00
14	Does the Industrial Interactive Lecture enhanced your skills	7	3	2	2	85	82.00
11	Does the Industrial Interactive Lecture met your expectations	10	3	2	2	82	79.00
13	Does the concepts are clearly explained	8	3	2	2	84	81.00
14	Does you need more Industrial Interactive Lecture further by the expert	7	3	2	2	85	82.00
14	Does the expert clear your doubts.	7	3	2	2	85	82.00
	Total	48	18	12	12	504	81.00
	Total Points	312	144	36	12		

No.Of Students Posted : 26
 Total Percentage Awarded to The Faculty : 81.00
 Grade of Faculty : Good

*Excellent (4) : >=90 % *Good (3) : >=75 & <90%
 *Average (2) : >=60 & <75 % *Poor (1) : Below 60 %
 Formula: Total Obtained Points/(Max Points(i.e,Excellent-4) * No.Of.Students * NoOfQuestions)

- Not entered
- Not entered
- Not entered
- Not entered
- Not entered
- Not entered
- Not entered
- Not entered
- Not entered
- Not entered

Figure 2.2.4.8: Sample filled feedback

Action taken : Department conducted a guest lecture on Advanced Joining Technologies. 62 % students have given feedback as excellent, 29% students have given feedback as good, 7% students have given feedback as average and 2% students have given poor feedback. We will rectify the defaults arisen in conducting this program. By discussing with students, faculty thoroughly, we will conduct programs effectively in future.

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

Institute Marks : 15.00

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 necessary support.

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 Computer Science & Engineering 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	Date	Title	Coordinator	Duration	No. of students
1	18-10-2023	Industrial visit to Kumar Pumps, Vijayawada	D Kiran Babu	1 Day	50
2	07-11-2022	Industrial visit to VTPS , Vijayawada	K.Sukumar	1 Day	40
3	02-12-2021	Industrial visit to VTPS , Vijayawada	K Sukumar	1 Day	40

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

List of Student Internships:

Academic Year: 2023-24

Table 2.2.5.2 Summary of Industrial Internships taken up by the students during the Academic Year 2023-24

S. No	Organization	No. of students attended	Duration	Relevance of PO,PSO
1.	SKILLDZIRE	26	8 Weeks	PO1,PO2,PO3,PO5,PO9,PO10,PO12,PSO2
2.	SKILLDZIRE	49	240 hours	PO1,PO2,PO3,PO5,PO9,PO10,PO12,PSO2

Table 2.2.5.3 Industrial Internships taken up by the students during the Academic Year 2023-24

S.NO	REG.NO	COMPANY	TITLE	DURATION
1	21MQ1A0301	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
2	21MQ1A0302	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
3	21MQ1A0303	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024

4	21MQ1A0304	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
5	21MQ1A0305	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
6	22MQ5A0301	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
7	22MQ5A0302	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
8	22MQ5A0303	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
9	22MQ5A0304	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
10	22MQ5A0305	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
11	22MQ5A0306	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
12	22MQ5A0307	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
13	22MQ5A0308	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
14	22MQ5A0309	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
15	22MQ5A0310	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
16	22MQ5A0311	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
17	22MQ5A0312	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
18	22MQ5A0313	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
19	22MQ5A0314	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
20	22MQ5A0315	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
21	22MQ5A0316	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
22	22MQ5A0317	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
23	22MQ5A0318	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
24	22MQ5A0319	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
25	22MQ5A0320	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
26	21MQ5A0329	SKILLDZIRE	SOLID WORKS	17/06/2024-10/08/2024
27	20MQ1A0301	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
28	20MQ1A0302	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
29	20MQ1A0303	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
30	20MQ1A0304	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
31	20MQ1A0306	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
32	20MQ1A0307	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
33	20MQ1A0308	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
34	20MQ1A0309	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
35	20MQ1A0310	SKILLDZIRE	SOLID WORKS	February-April(240Hours)

36	20MQ1A0311	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
37	20MQ1A0312	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
38	20MQ1A0313	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
39	20MQ1A0314	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
40	20MQ1A0315	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
41	20MQ1A0316	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
42	20MQ1A0319	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
43	20MQ1A0322	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
44	20MQ1A0323	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
45	20MQ1A0324	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
46	20MQ1A0325	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
47	20MQ1A0326	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
48	20MQ1A0327	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
49	21MQ5A0301	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
50	21MQ5A0302	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
51	21MQ5A0303	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
52	21MQ5A0304	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
53	21MQ5A0305	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
54	21MQ5A0306	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
55	21MQ5A0307	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
56	21MQ5A0308	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
57	21MQ5A0309	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
58	21MQ5A0310	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
59	21MQ5A0311	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
60	21MQ5A0312	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
61	21MQ5A0313	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
62	21MQ5A0315	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
63	21MQ5A0316	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
64	21MQ5A0317	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
65	21MQ5A0318	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
66	21MQ5A0319	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
67	21MQ5A0320	SKILLDZIRE	SOLID WORKS	February-April(240Hours)

68	21MQ5A0321	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
69	21MQ5A0322	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
70	21MQ5A0323	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
71	21MQ5A0324	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
72	21MQ5A0325	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
73	21MQ5A0326	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
74	21MQ5A0327	SKILLDZIRE	SOLID WORKS	February-April(240Hours)
75	21MQ5A0330	SKILLDZIRE	SOLID WORKS	February-April(240Hours)

Academic Year: 2022-23**Table 2.2.5.4 Summary of Industrial Internships taken up by the students during the Academic Year 2022-23**

S.No	Organization	No. of students attended	Duration	Relevance of PO,PSO
1.	G.S Alloy castings private limited	24	4 Weeks	PO1,PO2,PO3,PO5,PO9,PO10,PO12,PSO2
2.	G.S Alloy castings private limited	19	6 Weeks	PO1,PO2,PO3,PO5,PO9,PO10,PO12,PSO2
3.	Azad Engineering Pvt. Limited	4	6 Weeks	PO1,PO2,PO3,PO5,PO9,PO10,PO12,PSO2
4.	UI Pipe Fittings Pvt. Limited	5	6 Weeks	PO1,PO2,PO3,PO5,PO9,PO10,PO12,PSO2
5.	Rane Madras Limited	21	6 Weeks	PO1,PO2,PO3,PO5,PO9,PO10,PO12,PSO2
6.	Vidal Square International Pvt. Limited	73	2 Weeks	PO1,PO2,PO3,PO5,PO12,PSO2

Table 2.2.5.5 Industrial Internships taken up by the students during the Academic Year 2023-24

S.NO	REG.NO	COMPANY	TITLE	DURATION
1	21MQ1A0301	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
2	21MQ1A0302	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
3	21MQ1A0303	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
4	21MQ1A0304	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23

5	21MQ1A0305	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
6	22MQ5A0301	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
7	22MQ5A0302	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
8	22MQ5A0303	Rane Madras Limited,Bollaram,Hyderabad	Quality Assurance & Quality Control	22/05/23 to 17/06/23
9	22MQ5A0304	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
10	22MQ5A0305	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
11	22MQ5A0306	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
12	22MQ5A0307	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
13	22MQ5A0308	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
14	22MQ5A0309	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
15	22MQ5A0310	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
16	22MQ5A0311	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
17	22MQ5A0312	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
18	22MQ5A0313	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
19	22MQ5A0314	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
20	22MQ5A0315	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
21	22MQ5A0316	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
22	22MQ5A0317	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
23	22MQ5A0318	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
24	22MQ5A0319	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23

25	22MQ5A0320	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	22/05/23 to 17/06/23
26	21MQ5A0316	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
27	21MQ5A0317	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
28	21MQ5A0323	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
29	21MQ5A0327	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
30	21MQ5A0328	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
31	21MQ5A0308	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
32	21MQ5A0312	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
33	21MQ5A0313	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
34	21MQ5A0315	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
35	21MQ5A0318	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
36	21MQ5A0320	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
37	21MQ5A0321	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
38	21MQ5A0324	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
39	21MQ5A0326	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
40	21MQ5A0330	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
41	20MQ1A0304	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
42	21MQ5A0302	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
43	21MQ5A0304	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23
44	21MQ5A0311	G.S Alloy Casting Private Limited,Vijayawada	Quality Assurance & Quality Control	15/05/23 to 24/06/23

45	21MQ5A0301	Azad Engineering Private Limited,Hyderabad	Quality Assurance & Quality Control	15/05/23 to 24/06/23
46	21MQ5A0303	UI Pipe & Fittings Private Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
47	21MQ5A0305	Azad Engineering Private Limited,Hyderabad	Quality Assurance & Quality Control	15/05/23 to 24/06/23
48	21MQ5A0306	Azad Engineering Private Limited,Hyderabad	Quality Assurance & Quality Control	15/05/23 to 24/06/23
49	21MQ5A0307	Azad Engineering Private Limited,Hyderabad	Quality Assurance & Quality Control	15/05/23 to 24/06/23
50	21MQ5A0309	UI Pipe & Fittings Private Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
51	21MQ5A0319	UI Pipe & Fittings Private Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
52	21MQ5A0322	UI Pipe & Fittings Private Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
53	21MQ5A0325	UI Pipe & Fittings Private Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
54	20MQ1A0303	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
55	20MQ1A0307	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
56	20MQ1A0308	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
57	20MQ1A0309	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
58	20MQ1A0310	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
59	20MQ1A0314	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
60	20MQ1A0316	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
61	20MQ1A0322	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
62	20MQ1A0323	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
63	20MQ1A0324	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
64	20MQ1A0301	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23

65	20MQ1A0302	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
66	20MQ1A0306	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
67	20MQ1A0311	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
68	20MQ1A0313	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
69	20MQ1A0315	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
70	20MQ1A0319	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
71	20MQ1A0325	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
72	20MQ1A0326	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
73	21MQ5A0310	Rane Madras Limited,Sangareddy	Quality Assurance & Quality Control	15/05/23 to 24/06/23
74	20MQ1A0301	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
75	20MQ1A0302	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
76	20MQ1A0303	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
77	20MQ1A0304	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
78	20MQ1A0306	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
79	20MQ1A0307	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
80	20MQ1A0308	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
81	20MQ1A0309	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
82	20MQ1A0310	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
83	20MQ1A0311	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
84	20MQ1A0313	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23

85	20MQ1A0314	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
86	20MQ1A0315	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
87	20MQ1A0316	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
88	20MQ1A0319	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
89	20MQ1A0322	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
90	20MQ1A0323	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
91	20MQ1A0324	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
92	20MQ1A0325	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
93	20MQ1A0326	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
94	20MQ1A0327	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
95	21MQ5A0301	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
96	21MQ5A0302	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
97	21MQ5A0303	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
98	21MQ5A0304	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
99	21MQ5A0305	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
100	21MQ5A0306	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
101	21MQ5A0307	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
102	21MQ5A0308	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
103	21MQ5A0309	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
104	21MQ5A0310	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23

105	21MQ5A0311	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
106	21MQ5A0312	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
107	21MQ5A0313	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
108	21MQ5A0315	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
109	21MQ5A0316	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
110	21MQ5A0317	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
111	21MQ5A0318	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
112	21MQ5A0319	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
113	21MQ5A0320	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
114	21MQ5A0321	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
115	21MQ5A0322	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
116	21MQ5A0323	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
117	21MQ5A0324	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
118	21MQ5A0325	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
119	21MQ5A0326	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
120	21MQ5A0327	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
121	21MQ5A0330	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
122	21MQ1A0301	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
123	21MQ1A0302	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
124	21MQ1A0303	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23

125	21MQ1A0304	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
126	21MQ1A0305	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
127	22MQ5A0301	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
128	22MQ5A0302	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
129	22MQ5A0303	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
130	22MQ5A0304	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
131	22MQ5A0305	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
132	22MQ5A0306	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
133	22MQ5A0307	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
134	22MQ5A0308	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
135	22MQ5A0309	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
136	22MQ5A0310	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
137	22MQ5A0311	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
138	22MQ5A0312	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
139	22MQ5A0313	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
140	22MQ5A0314	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
141	22MQ5A0315	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
142	22MQ5A0316	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
143	22MQ5A0317	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
144	22MQ5A0318	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23

145	22MQ5A0319	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23
146	22MQ5A0320	Vidal Square International Pvt. Limited,Hyderabad	Quality Assurance & Quality Control	17/07/23 to 29/07/23

Academic Year:2021-22**Table 2.2.5.6 Summary of Industrial Internships taken up by the students during the Academic Year 2021-22**

S.No	Organization	No. of students attended	Duration	Relevance of PO,PSO
1.	Learnnet Skills Limited	35	45 days	PO1,PO2,PO3,PO5,PO12,PSO2

Table 2.2.5.7 Industrial Internships taken up by the students during the Academic Year 2021-22

S.NO	REG.NO	COMPANY	TITLE	DURATION
1	19MQ1A0301	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
2	19MQ1A0302	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
3	19MQ1A0303	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
4	19MQ1A0304	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
5	20MQ5A0301	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
6	20MQ5A0302	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
7	20MQ5A0303	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
8	20MQ5A0304	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
9	20MQ5A0305	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
10	20MQ5A0306	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
11	20MQ5A0307	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
12	20MQ5A0308	Learnnet Skills Limited,Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022

13	20MQ5A0310	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
14	20MQ5A0311	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
15	20MQ5A0312	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
16	20MQ5A0313	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
17	20MQ5A0315	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
18	20MQ5A0316	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
19	20MQ5A0317	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
20	20MQ5A0318	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
21	20MQ5A0319	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
22	20MQ5A0321	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
23	20MQ5A0322	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
24	20MQ5A0323	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
25	20MQ5A0324	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
26	20MQ5A0325	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
27	20MQ5A0326	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
28	20MQ5A0327	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
29	20MQ5A0328	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
30	20MQ5A0329	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
31	20MQ5A0330	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
32	20MQ5A0331	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022

33	20MQ5A0332	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
34	20MQ5A0334	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022
35	20MQ5A0335	Learnet Skills Limited, Vijayawada	CATIA & ANSYS	13/06/2022-05/08/2022

C. Impact analysis of industrial training (4)

The internship has had an impact on the students in the following aspects:

1. Students gained innovative, technical ideas and Industry Standards from industry professionals (PO1,PO2, PO3,PO5).
2. The skills and abilities of students were improved (PO3,PO5, 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 (PO1,PO2, PO3, PO4, PO5, PO10, 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. (PO1,PO2,PO3,PO6,PO9,PO10,PO12)
2. The students were more motivated to learn the concepts with a practical perspective by correlating with the theoretical aspects already learnt. (PO4,PO7,PO8,PO9,PO10,PO12)
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. (PO1,PO2, PO3, PO4, PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12).

Table 2.2.5.8 Impact Analysis of Industrial Internships during Assessment Period

S.No	Batch	No. of Students attended	No. of Students Placed
1	2020-24	49	26
2	2019-23	35	28
3	2018-22	36	28

D. Student feedback on initiative (4)

FEEDBACK FORM ON INDUSTRY INTERNSHIP:



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

A.Y: 2022-23

INDUSTRIAL INTERNSHIP FEEDBACK FORM

Name of Student:

Name of industry:

Period Internship:

Rate your internship experience by answering the following questions

Rating: 1-Low

2-Medium

3-High

1. Whether the internship gave you realistic preview of the career field.

1

2

3

2. As a result of the internship do u got a better understanding of concepts, theories, and skills of your course of study.

1

2

3

3. Are you given adequate training or explanation of projects?

1

2

3

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

1

2

3

5. Whether your supervisor was available and accessible when you had questions/concerns?

1

2

3

6. The work you performed was challenging and stimulating?

1

2

3

7. Whether it provided regular and helpful assessment of your performance and how to enhance it?

1

2

3

8. Had a good working relationship coworkers?

1

2

3

9. Whether ample opportunities for learning are available?

1

2

3

10. Do you feel that you are better prepared to enter the world of work after this experience?

1

2

3

Figure 2.2.5.1 Sample Empty Internship Feedback form for Industrial Internship


 SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
 DEPARTMENT OF MECHANICAL ENGINEERING
 A.Y: 2022-23
INDUSTRIAL INTERNSHIP FEEDBACK FORM

Name of Student: P. Dilcep
 Name of industry: UI Pipe Fittings Pvt. Ltd,
 Period Internship: 15/5/23 to 24/6/2023
 Rate your internship experience by answering the following questions
 Rating: 1-Low 2-Medium 3-High

- Whether the internship gave you realistic preview of the career field.
 1 2 ☒ 3
- As a result of the internship do u got a better understanding of concepts, theories, and skills of your course of study.
 1 2 ☒ 3
- Are you given adequate training or explanation of projects?
 1 ☒ 2 3
- Are you provided levels of responsibility consistent with your ability and was given additional responsibility as your experience increased?
 1 2 ☒ 3
- Whether your supervisor was available and accessible when you had questions/concerns?
 1 2 ☒ 3
- The work you performed was challenging and stimulating?
 1 2 ☒ 3
- Whether it provided regular and helpful assessment of your performance and how to enhance it?
 1 ☒ 2 3
- Had a good working relationship coworkers?
 1 2 ☒ 3
- Whether ample opportunities for learning are available?
 1 2 ☒ 3
- Do you feel that you are better prepared to enter the world of work after this experience?
 1 ☒ 2 3

P. Dilcep

Figure 2.2.5.2 Sample filled Internship Feedback form for industrial Internship

Table 2.2.5.9 Analysis of Internship feedback

	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
AVERAGE OF INDIVIDUAL QUESTION FEEDBACK	3	2.4	2.8	2.4	2.8	3	2	3	3	2.8
% OF INDIVIDUAL QUESTIONS	100	80	93.3	80	93.3	100	66.7	100	100	93.3

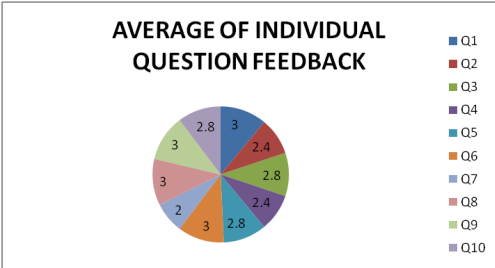


Figure 2.2.5.3 Analysis of Average Of Individual Question Feedback

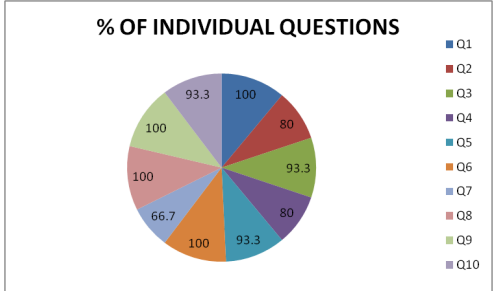


Figure 2.2.5.4 Analysis of Percentage of Individual Question

Feedback Form On Industrial Visit:

INDUSTIRIAL VISIT-KUMAR PUMPS

B *I* U  

3-EXCELLENT

2- GOOD

1-POOR

Email *

Valid email

This form is collecting emails. [Change settings](#)

How well was the industrial visit organized Question

☐ 3

☐ 2

☐ 1

Were the necessary arrangements made in advance?

☐ 3

☐ 2

☐ 1

Were the visit timings and schedule communicated clearly?

☐ 3

☐ 2

☐ 1

Did the industrial visit align with the course objectives and content?

☐ 3

☐ 2

Figure 2.2.5.5 Sample Empty Industrial Visit Feedback form for Industrial Internship

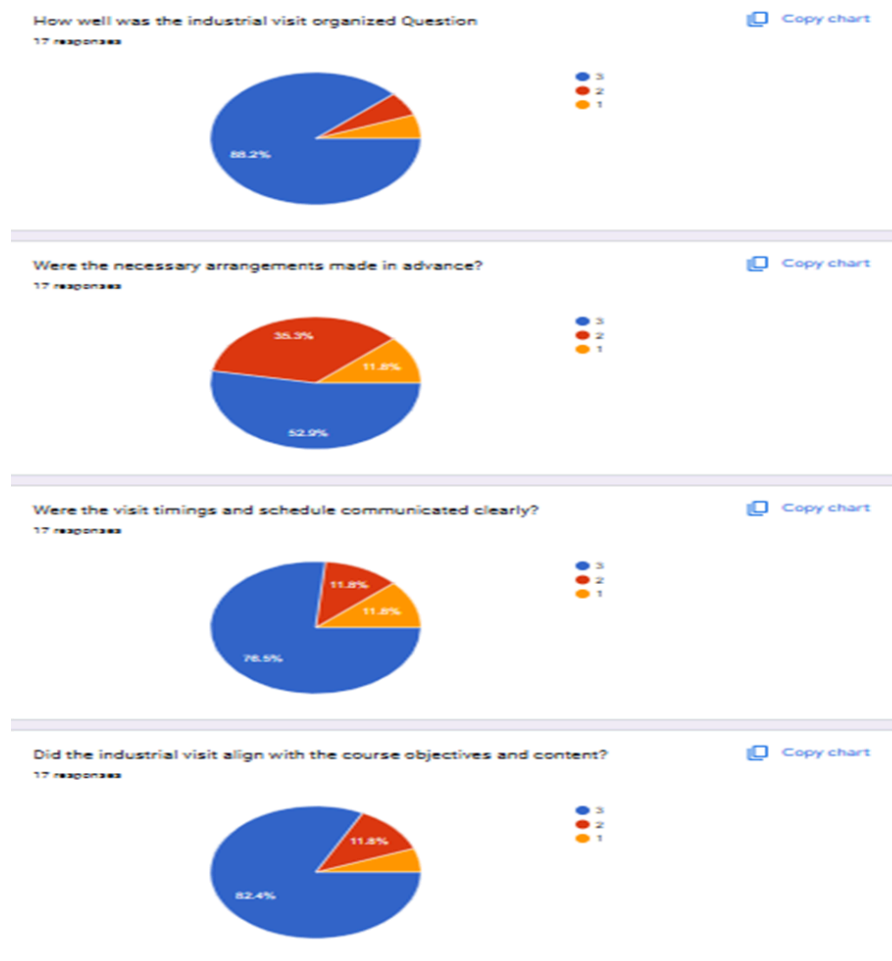


Figure 2.2.5.6 Sample Empty filled Industrial Visit Feedback form for Industrial Internship

Sample Internship Certificate:

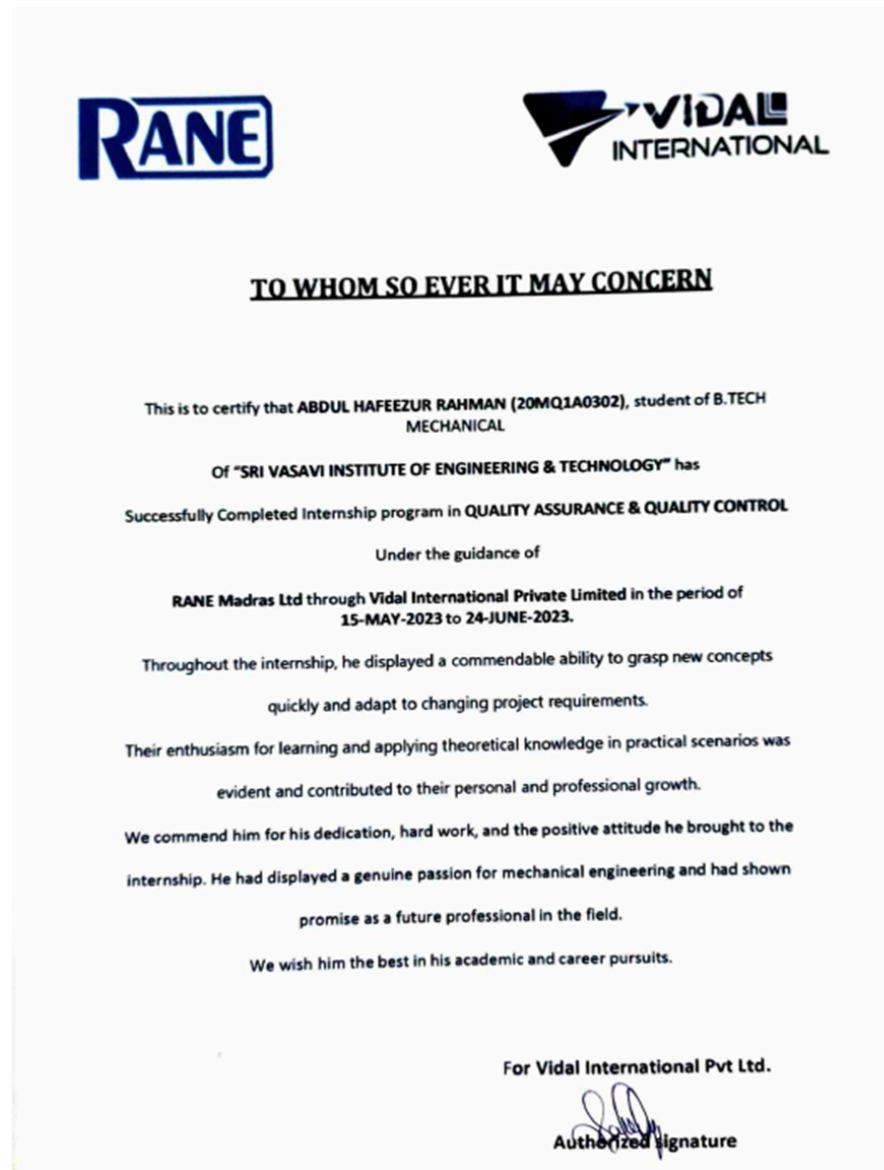


Figure 2.2.5.7 Sample Internship certificate

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	SKILLS FOR SUCCESSFUL CAREER: Able to apply engineering knowledge to get through the competitive examinations for employment/higher studies.
PSO2	PROBLEM SOLVING SKILLS: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society

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 13	Course Year :	2021-2022
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Course Name	Statements
C2 13.1	Explain properties of fluids and measure pressure of the flowing fluid
C2 13.2	Use Euler's equation, Bernoulli's equation, Energy momentum equations and solve Various fluid flow problems
C2 13.3	Perform dimensional analysis and explain boundary layer theory
C2 13.4	Calculate hydrodynamic forces and efficiencies. Appraise the performance of turbines under varying load conditions
C2 13.5	Appraise the performance of pumps under varying load conditions. Explain hydraulic systems like lifts which are suitable for industrial requirements

Course Name :	C2 21	Course Year :	2021-2022
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Course Name	Statements
C2 21.1	Interpret the Structure of Metals and phase diagrams of materials
C2 21.2	Distinguish different types of Ferrous metals, Non-ferrous Metals and Alloys
C2 21.3	Interpret different heat treatment processes to get desired mechanical Properties of metals
C2 21.4	Describe the powder metallurgy
C2 21.5	Compare the unique nature of ceramics and composite materials

Course Name :	C3 12	Course Year :	2022-2023
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Course Name	Statements
C3 12.1	Select suitable materials, tolerances and fits in critical design applications
C3 12.2	Understand stresses and utilize design data hand book and design the elements for strength, stiffness and fatigue.
C3 12.3	Apply the design procedure to engineering problems, including the consideration of technical and manufacturing constraints for Riveted and welded joints, Cotter joints, Knuckle joints, Keys
C3 12.4	Apply the design procedure for shafts and shaft couplings
C3 12.5	Apply the design procedure for springs

Course Name :	C3 21	Course Year :	2022-2023
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Course Name	Statements
C3 21.1	Analyze the Steady State Conduction and fins
C3 21.2	Analyze the unsteady heat conduction and Convective Heat Transfer

C3 21.3	Analyze Forced and free convection
C3 21.4	Analyze Boiling, condensation and heat exchangers
C3 21.5	Understand the phenomenon of thermal radiation

Course Name :	C4 12	Course Year :	2023-24
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Course Name	Statements
C4 12.1	Understand the different types of production systems and the internal organization of production planning and control
C4 12.2	Estimate forecasts in the manufacturing and service sectors using selected quantitative and qualitative techniques
C4 12.3	Understand the importance and function of inventory and to be able to apply for its control and management
C4 12.4	Apply routing procedures and differentiate schedule and loading and interpret scheduling policies and aggregate planning
C4 12.5	Understand dispatching procedure and applications of computers in production planning and control

Course Name :	C4 21	Course Year :	2023-2024
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Course Name	Statements
C4 21.1	Describe the abstract of the project
C4 21.2	Collect the information about the project
C4 21.3	Identify the time duration and cost required to develop the project
C4 21.4	Implement and test the project which is useful to the society
C4 21.5	Describe the summary of the project and identify the impact of the project in the society

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

Institute Marks : 5.00

1 . course name : C213

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C213.1	1 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
C213.2	1 ▾	2 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
C213.3	2 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
C213.4	1 ▾	3 ▾	3 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
C213.5	1 ▾	1 ▾	3 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
Average	1.20	2.40	2.75	2.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

2 . course name : C221

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C221.1	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
C221.2	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
C221.3	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
C221.4	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
C221.5	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
Average	3.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00

3 . course name : C312

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312.1	3 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
C312.2	3 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾
C312.3	3 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
C312.4	3 ▾	3 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
C312.5	3 ▾	3 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
Average	3.00	3.00	2.67	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00

4 . course name : C321

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
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C321.1	2	▼	3	▼	-	▼	1	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
C321.2	2	▼	3	▼	-	▼	1	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
C321.3	2	▼	3	▼	-	▼	-	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
C321.4	2	▼	3	▼	1	▼	-	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
C321.5	2	▼	3	▼	1	▼	-	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
Average	2.00		3.00		1.00		1.00		0.00		0.00		0.00		0.00		1.00		0.00		1.00	

5 . course name : C412

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12				
C412.1	3	▼	3	▼	-	▼	-	▼	-	▼	1	▼	-	▼	-	▼
C412.2	2	▼	3	▼	-	▼	-	▼	-	▼	1	▼	-	▼	-	▼
C412.3	2	▼	3	▼	-	▼	-	▼	-	▼	1	▼	-	▼	-	▼
C412.4	2	▼	3	▼	-	▼	-	▼	-	▼	1	▼	-	▼	-	▼
C412.5	2	▼	3	▼	-	▼	-	▼	-	▼	1	▼	-	▼	-	▼
Average	2.20		3.00		0.00		0.00		0.00		1.00		0.00		0.00	

6 . course name : C421

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C421.1	3 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	1 ▼	2 ▼	3 ▼	3 ▼	2 ▼	2 ▼
C421.2	3 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	1 ▼	2 ▼	3 ▼	3 ▼	2 ▼	2 ▼
C421.3	3 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	1 ▼	2 ▼	3 ▼	3 ▼	2 ▼	2 ▼
C421.4	3 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	1 ▼	2 ▼	3 ▼	3 ▼	2 ▼	2 ▼
C421.5	3 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	1 ▼	2 ▼	3 ▼	3 ▼	2 ▼	2 ▼
Average	3.00	3.00	2.00	2.00	1.00	1.00	1.00	2.00	3.00	3.00	2.00	2.00

1 . Course Name : C213

Course	PSO1	PSO2
C213.1	3 ▼	1 ▼
C213.2	3 ▼	1 ▼
C213.3	3 ▼	1 ▼
C213.4	3 ▼	1 ▼
C213.5	3 ▼	1 ▼
Average	3.00	1.00

2 . Course Name : C221

Course	PSO1	PSO2
C221.1	2 ▼	3 ▼
C221.2	2 ▼	3 ▼
C221.3	2 ▼	3 ▼
C221.4	2 ▼	3 ▼
C221.5	2 ▼	3 ▼
Average	2.00	3.00

3 . Course Name : C312

Course	PSO1	PSO2
C312.1	3 ▼	2 ▼
C312.2	3 ▼	2 ▼
C312.3	3 ▼	2 ▼
C312.4	3 ▼	2 ▼
C312.5	3 ▼	2 ▼
Average	3.00	2.00

4 . Course Name : C321

Course	PSO1	PSO2
C321.1	2 ▼	3 ▼

C321.2	2	▼	3	▼
C321.3	2	▼	3	▼
C321.4	2	▼	3	▼
C321.5	2	▼	3	▼
Average	2.00		3.00	

5 . Course Name : C412

Course	PSO1	PSO2
C412.1	3 ▼	2 ▼
C412.2	3 ▼	2 ▼
C412.3	3 ▼	2 ▼
C412.4	3 ▼	2 ▼
C412.5	3 ▼	2 ▼
Average	3.00	2.00

6 . Course Name : C421

Course	PSO1	PSO2
C421.1	1 ▼	3 ▼
C421.2	1 ▼	3 ▼
C421.3	1 ▼	3 ▼
C421.4	1 ▼	3 ▼
C421.5	1 ▼	3 ▼
Average	1.00	3.00

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	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C112	3	2	PO3	1.5	PO5	PO6	PO7	PO8	1	PO10	PO11	PO12
C113	2.75	2.5	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C114	PO1	PO2	PO3	PO4	PO5	1	1	1.5	1.7	2.5	PO11	2
C115	3	2	1	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1

C116	2	1	PO3	2	2	PO6	PO7	PO8	3	PO10	PO11	PO12
C117	3	2.8	2.4	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C118	1	PO2	PO3	PO4	PO5	1.3	1.5	PO8	PO9	2.3	PO11	PO12
C119	PO1	PO2	PO3	PO4	PO5	PO6	3	2	PO9	PO10	PO11	1
C121	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C122	1.4	2	2	PO4	PO5	2	2	PO8	PO9	PO10	PO11	PO12
C123	2.6	2.4	PO3	PO4	1.2	PO6	PO7	PO8	PO9	PO10	PO11	1.6
C124	2.8	2.6	2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2.4
C125	3	2	1	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C126	3	2	PO3	PO4	PO5	PO6	PO7	PO8	2	1	PO11	2
C127	2	2	PO3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	PO12
C128	3	2	1	PO4	PO5	PO6	PO7	PO8	2	2	PO11	3
C129	PO1	PO2	PO3	PO4	PO5	PO6	PO7	3	2	1	PO11	2
C211	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C212	2	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C213	1.20	2.4	2.75	2	PO5	PO6	PO7	PO8	PO9	1	PO11	PO12
C214	3	2	2	PO4	PO5	PO6	PO7	PO8	PO9	2	PO11	1.5
C215	3	2	2	1	2	PO6	PO7	PO8	PO9	2	PO11	PO12
C216	2.2	1.67	1.3	PO4	3	PO6	PO7	PO8	2	1.6	PO11	1
C217	3	2	PO3	PO4	PO5	PO6	PO7	PO8	2	1	PO11	2
C218	3	2	1	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.5
C219	2	PO2	PO3	PO4	PO5	PO6	PO7	PO8	2	1	PO11	2
C221	3	2	PO3	PO4	PO5	PO6	1	PO8	PO9	1	PO11	1
C222	2	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C223	3	2.6	PO3	PO4	PO5	1	PO7	PO8	PO9	PO10	PO11	1
C224	2.4	2.6	1	1.5	PO5	PO6	1.5	PO8	PO9	PO10	PO11	1
C225	2.2	2.8	PO3	PO4	PO5	2	PO7	PO8	PO9	PO10	1.6	PO12
C226	2	3	PO3	PO4	PO5	PO6	PO7	PO8	2	PO10	PO11	1
C227	3	2	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	3
C228	2.6	2.4	PO3	PO4	PO5	PO6	PO7	PO8	2	PO10	PO11	1

C229	2.2	2	1.6	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C311	2	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312	3	3	2.67	PO4	PO5	PO6	PO7	PO8	PO9	1	PO11	1
C313	3	2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C314	2.8	2.2	1	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C315	2.67	2.33	2	2	PO5	PO6	PO7	PO8	PO9	2	PO11	2.2
C316	3	2	PO3	PO4	PO5	PO6	PO7	PO8	2	PO10	PO11	1
C317	2	3	1.4	PO4	1	1	1	PO8	3	PO10	PO11	PO12
C318	1	PO2	PO3	PO4	PO5	1.33	1.5	PO8	PO9	2.25	PO11	PO12
C319	PO1	PO2	PO3	PO4	PO5	PO6	PO7	3	PO9	2	PO11	PO12
C3110	2.6	2.4	2.25	3	2	1	PO7	2	2.25	2.25	3	3
C321	2	3	1	1	PO5	PO6	PO7	PO8	PO9	1	PO11	1
C322	1	2.6	2.4	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C323	2	2.2	1.8	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C324	2.6	1.75	1	PO4	2	1	PO7	PO8	PO9	PO10	PO11	1
C325	2.8	2.2	2	PO4	PO5	PO6	PO7	PO8	PO9	2	PO11	1.2
C326	2.6	2	1.25	PO4	2.5	1	1.5	PO8	PO9	PO10	PO11	1
C327	1	2	3	PO4	PO5	PO6	PO7	PO8	3	PO10	PO11	PO12
C328	2.4	2	PO3	PO4	PO5	PO6	PO7	PO8	1	PO10	PO11	2
C329	1.4	2	3	PO4	2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C3210	2	PO2	1	PO4	PO5	PO6	PO7	3	PO9	PO10	PO11	PO12
C411	3	2	2	PO4	PO5	PO6	PO7	PO8	PO9	2	PO11	1
C412	2.2	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	1	PO11	PO12
C413	2.6	2.4	PO3	PO4	PO5	PO6	1	PO8	PO9	PO10	PO11	1
C414	PO1	PO2	2	PO4	3	2.75	2.5	2.8	3	2.5	PO11	2
C415	2	PO2	2	2	2	2.8	2.6	2	PO9	2	1	2.6
C416	PO1	PO2	PO3	PO4	PO5	PO6	PO7	3	PO9	2	PO11	PO12
C417	3	2	PO3	PO4	2	PO6	PO7	PO8	2	3	PO11	1
C418	2.6	2.4	2.25	3	2	1	PO7	2	2.25	2.25	3	3
C421	3	3	2	2	1	1	1	2	3	3	2	2

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

:

Course	PSO1	PSO2
C111	PSO1	PSO2
C112	PSO1	PSO2
C113	2	PSO2
C114	PSO1	PSO2
C115	PSO1	PSO2
C116	PSO1	PSO2
C117	2	2
C118	PSO1	PSO2
C119	PSO1	PSO2
C121	PSO1	PSO2
C122	PSO1	PSO2
C123	2	PSO2
C124	3	PSO2
C125	PSO1	2
C126	PSO1	2
C127	PSO1	PSO2
C128	3	2
C129	PSO1	PSO2
C211	PSO1	PSO2
C212	3	2
C213	3	1
C214	3	2
C215	3	2
C216	3	2
C217	3	2
C218	3	2
C219	3	2
C221	2	3
C222	PSO1	PSO2

C223	2.8	2
C224	1	3
C225	3	2
C226	3	2
C227	2	3
C228	PSO1	2
C229	2	1
C311	3	2
C3110	PSO1	2.6
C312	3	2
C313	3	2
C314	2	3
C315	2	3
C316	3	PSO2
C317	3	3
C318	1	PSO2
C319	PSO1	PSO2
C321	2	3
C3210	PSO1	PSO2
C322	3	2
C323	2	3
C324	3	1
C325	2.8	2.2
C326	3	2
C327	3	2
C328	2	3
C329	PSO1	1
C411	3	2
C412	3	2
C413	3	1

C414	PSO1	2
C415	2	PSO2
C416	PSO1	PSO2
C417	PSO1	3
C418	PSO1	2.6
C421	1	3

3.2 Attainment of Course Outcomes (50)

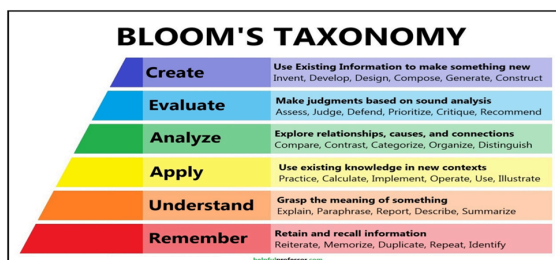
Total Marks 50.00

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

Procedure for Cos:

Faculty write CO's in Higher levers of Bloom to achieve Higher order thinking skills for all the courses and present to the committee, later gets accepted and audited by IQAC Members during course file audit. All the faculty are instructed to follow top down approach to write Cos.



COURSE MATRIX														
COURSE OUTCOME(CO's)	PROGRAM OUTCOMES												PSO	
Course No.C223	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2
C223.1: Compute frictional losses, torque transmission of mechanical systems	3	2	-	-	-	-	-	-	-	1	-	1	2	3
C223.2: Analyze dynamic force analysis of slider crank mechanism and design of flywheel.	3	2	-	-	-	-	-	-	-	1	-	1	2	3
C223.3: Analyze stabilization of sea vehicles, aircrafts and automobile vehicles and Understand the working of various types of governors	3	3	-	-	-	-	-	-	-	1	-	1	2	3
C223.4: Explain balancing of reciprocating and rotary masses.	2	3	-	-	-	-	-	-	-	1	-	1	2	3
C223.5: Explain the natural frequencies of continuous systems starting from the general equation of displacement.	3	2	-	-	-	1	-	-	-	1	-	1	2	3
Weighted Average	14/15	12/15				1/3				5/15		5/15	10/15	15/15
Percentage	93.33	80				33.33				33.33		33.33	66.66	100
Rubrics Level	3	3				1				1		1	2	3

All the faculty after writing their course outcomes map with particular PO's and later perform weighted average for every PO. The following Rubrics are taken to determine the CO values for the course

>70=3

50 to 70=2

30 to 49=1

<30=0

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

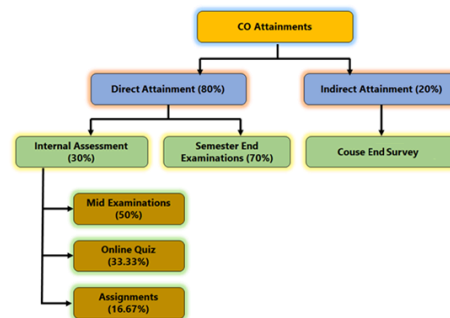
Committee for finalizing CO, CO-PO Mapping

- 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	

A. List of assessment processes (2)

Procedure for Attainment of Cos



Procedure for COs Assessment:

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

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 every semester. 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 >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 > class average mark	3: >60% students 2: 40-60% students 1: 20-40% students 0: <20% students	30%

		SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY																							
		Department of Mechanical Engineering																							
		Course Assessment																							
Course Name:		FLUID MECHANICS & HYDRAULIC MACHINES					Academic Year:		2022-23 II-I																
Faculty Name:		Dr.D.Raja Ramesh					Year & Semester:		II Year I Semester																
Course Code:		C213					Branch & section:		MECH																
S.N o	ROLL NO	Internal Examination-1										Internal Examination-2										Inter nal	GRADE		
		1.a	1.b	2.a	2.b	3.a	3.b	Total	Avg ign men t	Qui z	Total	1.a	1.b	2.a	2.b	3.a	3.b	Total	Avg ign men t	Qui z	Total				
Maximum Marks		2	3	2	3	3	2	15	5	10	30	2	3	2	3	2	3	15	5	10	30	30	O		
1	21MQ1A0301	1		1				2	0	3	5	1	1	1	2	2	2	9	5	4	18	16	F		
2	21MQ1A0302	1						1	5	3	9							2	4	5	3	12	12	F	
3	21MQ1A0303	1.5	3			2.5		7	5	2	14	2	3	3	2	3	3	12	5	2	19	18	E		
4	21MQ1A0304	1.5	3	0	3	2.5		10	5	3	18	2	2	2	3	2	2	11	5	3	19	19	E		
5	21MQ1A0305	1.5		0				2	5	4	11	2	1.5	1	2	2	3	11	5	3	19	18	E		
6	22MQSA0301	2	3	1	3			9	5	3	17	2	1	3	2	3	11	5	2	18	18	D			
7	22MQSA0302	1	3	2	3			9	5	3	17	2	2	3	2	3	12	5	3	20	20	F			
8	22MQSA0303	2	3	2	3		2	12	5	4	21	2	3	2	3	2	3	15	5	5	25	25	D		
9	22MQSA0304	1.5	3	2	3		1	10	5	4	19	2	2	3	2	3	12	5	4	21	21	C			
10	22MQSA0305	1.5	3	2	3	1	1	11	5	3	19	2	1	2	3	2	2	12	5	2	19	19	E		
11	22MQSA0306	2	3	2	3	1	1	11	5	2	18	2	2	3	2	3	12	5	4	21	21	D			
12	22MQSA0307	1.5	3	2	3	2	1	12	5	2	19	2	2	3	2	3	12	5	4	21	21	D			
13	22MQSA0308	2	3	3	2.5	1		11	5	3	19	2	2	2	3	3	11	5	5	21	21	C			
14	22MQSA0309	A	A	A	A	A	A	0	5	A	5	2	3	2	3	3	15	5	2	22	19	F			
15	22MQSA0310	1.5	3	2	3	1	1	11	5	3	19	1	0.5	2	3	2	3	12	5	4	21	21	C		
16	22MQSA0311	2	3	2	3	0	1	11	5	2	18	2	3	2	3	2	3	15	5	2	22	22	D		
17	22MQSA0312	1.5	3	3	3	1		12	5	2	19		2	3	2	3	10	5	3	18	19	C			
18	22MQSA0313	2	3	2	3	3	1.5	15	5	3	23	2	1	2	3	2	3	13	5	6	24	24	B		
19	22MQSA0314	2	3	2	3			9	0	3	12	1	1	1	3	2	3	10	5	4	19	18	E		
20	22MQSA0315	2	3	2	3	2.5	1	14	5	7	26	1	2	3	2	1	9	5	3	17	25	B			
21	22MQSA0317	2	3	2	3	1.5	1	12	5	2	19		2	3	2	3	9	5	4	18	19	C			
22	22MQSA0318	2	3	2	3	0	1.5	5	4	20		1	3	0	1	5	5	3	13	19	E				
23	22MQSA0319	2	3	2	3	1.5	1.5	5	5	23		2	3	2	3	10	5	3	18	22	C				
24	22MQSA0320	1.5	3	2	3	3	1.5	14	5	3	22		2	3	2	3	10	5	3	18	22	F			
Class Average Mark		1.7	2.8	1.8	2.5	2.2	1.1	9.8	4.6	3.1	17.3	1.7	1.8	1.8	2.7	1.9	2.5	10.8	5.0	3.4	19.2	20.0	C		
Student Scored		12	11	16	12	10	4	17	23	5	17	14	5	18	17	21	18	15	25	11	10	13	8		
Student answered the question		24	21	18	23	16	15	25	25	24	25	19	11	23	25	23	25	25	25	25	25	25	25		
% Student Scored		50	52	89	55	63	27	68	82	21	68	74	45	76	68	91	72	60	100	44	40	52	32		
above average mark		1	2	1	2	2	1	2	3	1	2	3	1	3	2	3	3	2	3	1	1	2	1		
Attendance level		1	2	1	2	2	1	2	3	1	2	3	1	3	2	3	3	2	3	1	1	2	1		
												ATT AIN MEN T		Univer sity Over		YES/NO									
												%		Exam		all									
C215.1		1	2					3	1									1.76	61	1	1.83	N			
C215.2				3	2			3	1									2.25	72	1	1.88	Y			
C215.3						2	1	3	1	3	1					3	1	1.88	61	1	1.61	Y			
C215.4												3	2				3	1	2.25	73	1	1.88	Y		
C215.5														3	3		3	1	2.5	82	1	2.05	Y		
												Overall Course attainment										1.79		Y	
												Set target for course attainment										1.6			
												Status of the course attainment (Attained / Not Attained)													
C215.1		Understand properties of fluids and measure pressure of the flowing fluid																							
C215.2		Apply Euler equation, Energy-momentum equations and solve various fluid flow problems																							
C215.3		Explain boundary layer theory.Perform dimensional analysis																							
C215.4		Calculate hydrodynamic forces and efficiencies. Appraise the performance of the turbines under varying load conditions																							
C215.5		Appraise the performance of pumps under varying load conditions Explain hydraulic systems like lifts which are suitable for industrial																							
Rubrics:																									
>=70% students		3																							
51 to 69% students		2										Best performing Course Outcome: C215.5													
<=50 % students		1										Least performing Course Outcome: C215.1													
Reason for low attainment:		1										Videos have not been used for better understanding.													
		2										Some tutorial classes are conducted as regular classes													
		3																							
Plan of Action for improvement																									
		1										More number of videos may be played for better understanding													
		2										More number of tutorials will be planned and some questions will be given and see that students will answer them.													

Sample Course End Survey :



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Mechanical Engineering

ASSESSMENT OF LEARNING OUTCOMES

CAY: 2022-23 SEM: I Year: II

Please evaluate on the following Scale:

Very Good 3	Satisfactory 2	Poor 1
----------------	-------------------	-----------

SNO	QUESTIONNAIRE	Your Rating
GENERAL OBJECTIVES:		
1)	Has the course achieved its stated objectives?	
2)	Have you gained the stated skills?	
3)	Whether the syllabus is adequate to achieve the objectives?	
4)	Whether the teacher has helped in acquiring the stated skills?	
5)	Whether the teacher has given real life applications of the course?	
SPECIFIC LEARNING OUTCOMES- FLUID MECHANICS & HYDRAULIC MACHINERY (C213)		
C213.1	Your ability to Explain properties of fluids and measure pressure of the flowing fluid	
C213.2	Your ability to Use Euler's equation, Bernoulli's equation, Energy momentum equations and solve various fluid flow problems	
C213.3	Your ability to Perform dimensional analysis and explain boundary layer theory	
C213.4	Your ability to Calculate hydrodynamic forces and efficiencies. Appraise the performance of turbines under varying load conditions	
C213.5	Your ability to Appraise the performance of pumps under varying load conditions. Explain hydraulic systems like lifts which are suitable for industrial requirements	

Email Address	Your ability to Explain	Your ability to Use Euler's equation	Your ability to Perform dimensional analysis	Your ability to Calculate hydrodynamic forces	Your ability to Appraise the performance of pumps
shootout163@gmail.co	3	2	3	2	3
ratnanaidu0143@gmail	3	3	2	3	3
harshavardhansomala	2	3	2	2	3
nagasaimaruboina@gr	3	2	3	2	2
gopimeka77@gmail.co	1	1	3	3	3
vamsimunagala791@g	3	1	1	1	
mattababi143@gmail.c	2	3	2	3	3
pknagakarhik@gmail.	2	2	2	2	2
bhogireddigopal143@	2	2	2	2	2
bharshavardhanbabu@	3	2	2	2	2
madhavkumarbhuvane	2	2	2	3	3
phanikumarkbl@gmail	2	2	2	2	2
chittaranjansomisetty	3	3	3	3	2
manikantayellamkota0	2	3	1	2	3
bandarunasimhulu7@	3	2	3	2	3
medakaazad@gmail.c	3	2	2	2	3
dhanushh7032@gmail	3	2	2	2	2
lokeshbina.2002@gr	3	3	2	3	3
metlakiran62@gmail.c	2	2	3	3	2
saichandra7054@gma	2	2	2	2	2
gopimeka77@gmail.co	2	3	3	3	3
charanteja2125@gmai	2	2	2	2	2
pknagakarhik@gmail.	2	2	2	2	2
vamsimunagala791@g	3	3	2	1	2
18105m24@gmail.con	3	2	3	2	2
	61	56	56	56	59
	2.44	2.24	2.24	2.24	2.36

Sample Attainment form for Lab related courses:

Indirect Attainment for subjects

Overall course attainment = $0.8 \times \text{Direct attainment} + 0.2 \times \text{Indirect attainment}$.

Course End Survey (Lab):

B. Course outcome Assessment 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 > 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%

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 & TECHNOLOGY
Department of Mechanical Engineering

ASSESSMENT OF LEARNING OUTCOMES

CAY:2022-23 SEM: I Year: II

Please evaluate on the following Scale:

Very Good 3	Satisfactory 2	Poor 1
----------------	-------------------	-----------

SNO	QUESTIONNAIRE	Your Rating
GENERAL OBJECTIVES:		
1)	Has the course achieved its stated objectives?	
2)	Have you gained the stated skills?	
3)	Whether the syllabus is adequate to achieve the objectives?	
4)	Whether the teacher has helped in acquiring the stated skills?	
5)	Whether the teacher has given real life applications of the course?	
SPECIFIC LEARNING OUTCOMES- PRODUCTION TECHNOLOGY LAB (C218)		
C218.1	Your ability to Understand the principles of casting	
C218.2	Your ability to Perform the operation on wood turning on lathe	
C218.3	Your ability to Understand the various principles of bending	
C218.4	Your ability to Understand the principles of various welding processes and analyze welded portions	
C218.5	Your ability to Understand the principles of various moulding process	

Email Address	Your ability to Under	Your ability to Perform	Your ability to Under	Your ability to Unders	Your ability to Unders	Your ability to Unders
shootout163@gmail.co	2	3	2	3	2	
ratnanaidu0143@gmai	3	3	3	3	3	
harshavardhansomala7	3	3	2	3	2	
nagasaimaruboina@gr	3	2	2	2	3	
gopimeka77@gmail.co	3	3	3	3	3	
vamsimunagala791@g	2	2	3	2	2	
mattababi143@gmail.c	3	2	2	3	3	
pknagakarhik@gmail.	2	2	2	2	2	
bhogireddigopal143@g	2	2	2	2	2	
bharshavardhanbabu@	3	3	3	2	2	
madhavkumarbhuvane	3	2	2	3	2	
phanikumarkbl@gmail	2	2	2	2	2	
chittaranjansomisetty@	3	3	2	3	2	
manikantayellamkota0	3	1	2	3	1	
bandarunarasimhulu7@	3	3	2	2	3	
medakaazad@gmail.c	2	3	3	3	2	
dhanushh7032@gmail	3	3	2	2	2	
lokeshboina.2002@gr	3	3	3	2	2	
metlakiran62@gmail.c	2	3	3	3	2	
saichandra7054@gma	2	1	2	3	2	
gopimeka77@gmail.co	3	3	3	3	3	
charanteja2125@gmai	2	2	2	2	2	
pknagakarhik@gmail.	2	2	2	2	2	
vamsimunagala791@g	1	1	1	2	1	
18105m24@gmail.con	3	3	3	2	3	
	63	60	58	62	55	
	2.52	2.4	2.32	2.48	2.2	

C. Course outcome Assessment for Project Work :

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%	9%

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%	9%
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%

PROJECT CO ATTAINMENT									
A.Y		2023-24			Name of the Guide:			Mrs.CH.ANUSHA	
		Name of Project		Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator					
Batch. No				3					
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	21MQ5A0309	28	29	30	29	30	59	10	
2	21MQ5A0315	28	29	30	29	29	58	10	
3	21MQ5A0320	29	29	30	30	30	60	10	
4	20MQ1A0310	22	22	23	23	27	50	10	
	Average Mark	27	27.25	28	27.75	29	56.75	10	AVG
	% Marks	90%	91%	93%		97%		33%	
	Attainment	3	3	3		3		3	

	CO 1	3.00				3.00		3.00	3.00
	CO 2	3.00				3.00		3.00	3.00
	CO 3		3.00			3.00		3.00	3.00
	CO 4			3.00		3.00		3.00	3.00
	CO 5			3.00		3.00		3.00	3.00
					Academic Performance				3.00
								Attainment	
	Academic performance(60%Weightage)							3.00	3*0.6=1.8
	Project Outcomes (Prizes/ Prototypes /Publications/ Bestproject)(40%Weightage)							2.00	2*0.4=08
			Over all						2.6

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%

Student Name: K.B.L. Phani Kumar
 Term of Internship: From: 14/3un/2024 To: 10/09/2024
 Date of Evaluation: 2.4.12/24
 Organization Name & Address: SKILL OZIR
 Name & Address of the Supervisor: D. K. Iyer Babu, 9177180019
 with Mobile Number

Registration No: 22110500308

Please rate the student's performance in the following areas:
 Please note that your evaluation shall be done independent of the Student's self-evaluation
 Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	(5)
2	Written communication	1	2	3	(4)	5
3	Proactiveness	1	2	3	4	(5)
4	Interaction ability with community	1	2	3	(4)	5
5	Positive Attitude	1	2	3	4	(5)
6	Self-confidence	1	2	3	(4)	5
7	Ability to learn	1	2	3	4	(5)
8	Work Plan and organization	1	2	3	(4)	5
9	Professionalism	1	2	(3)	4	5
10	Creativity	1	2	3	4	(5)
11	Quality of work done	1	2	3	(4)	5
12	Time Management	1	2	3	4	(5)
13	Understanding the Community	1	2	(3)	4	5
14	Achievement of Desired Outcomes	1	2	3	(4)	5
15	OVERALL PERFORMANCE	1	2	3	4	(5)

Date: 2.4.12/24

Signature of the Supervisor

E. Course outcome Assessment 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%



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
 APPROVED BY AICTE, NEW DELHI AFFILIATED TO JNTUK KAKINADA, AN ISO 9001:2015 CERTIFIED INSTITUTE
NANDAMURU, PEDANA MANDAL, KRISHNA DIST., A.P. PIN:521 369
DEPARTMENT OF MECHANICAL ENGINEERING
CLASS /SECTION: IV B.TECH II SEM
RESULT ANALYSIS 2023-24

S.No	Roll.No.	PROJECT-II GRADE
1	21MQ1A0301	A
2	21MQ1A0302	A+
3	21MQ1A0303	A+
4	21MQ1A0304	A+
5	21MQ1A0305	A
6	22MQ5A0301	A+
7	22MQ5A0302	A
8	22MQ5A0303	A+
9	22MQ5A0304	A+
10	22MQ5A0305	A+
11	22MQ5A0306	A+
12	22MQ5A0307	A+
13	22MQ5A0308	A+
14	22MQ5A0309	A+
15	22MQ5A0310	A+
16	22MQ5A0311	A+
17	22MQ5A0312	A+
18	22MQ5A0313	A+
19	22MQ5A0314	A
20	22MQ5A0315	A+
21	22MQ5A0316	A+
22	22MQ5A0317	A+
23	22MQ5A0318	A+
24	22MQ5A0319	A+
25	22MQ5A0320	A+
Class average mark		A
Above average mark		25
Students attempt the question		25
% of students attempt the above		100
RUBRICS		3
CO		UNIVERSITY EXAM
CO1		3
CO2		3
CO3		3
CO4		3
CO5		3
AVERAGE		3

Rubrics:

Academic Performance	Attainment
<=80%	1
80-90%	2
>90%	3

CO1	Apply appropriate workplace behaviors in a professional setting.
CO2	Demonstrate content knowledge appropriate to job assignment.
CO3	Exhibit evidence of increased content knowledge gained through practical experience
CO4	Describe the nature and function of the organization in which the internship experience takes place and how the internship placement site fits into their broader career field.
CO5	Evaluate the internship experience in terms of their personal, educational and career needs.

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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SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

COURSE - MECH

ACADAMIC YEAR - 2023-2024

S.N.	SLY	ENGR 101	ENGR 102	ENGR 103	ENGR 104	ENGR 105	ENGR 106	ENGR 107	ENGR 108	ENGR 109	ENGR 110	ENGR 111	ENGR 112	ENGR 113	ENGR 114	ENGR 115	ENGR 116	ENGR 117	ENGR 118	ENGR 119	ENGR 120	ENGR 121	ENGR 122	ENGR 123	ENGR 124	ENGR 125	ENGR 126	ENGR 127	ENGR 128	ENGR 129	ENGR 130	ENGR 131	ENGR 132	ENGR 133	ENGR 134	ENGR 135	ENGR 136	ENGR 137	ENGR 138	ENGR 139	ENGR 140	ENGR 141	ENGR 142	ENGR 143	ENGR 144	ENGR 145	ENGR 146	ENGR 147	ENGR 148	ENGR 149	ENGR 150	ENGR 151	ENGR 152	ENGR 153	ENGR 154	ENGR 155	ENGR 156	ENGR 157	ENGR 158	ENGR 159	ENGR 160	ENGR 161	ENGR 162	ENGR 163	ENGR 164	ENGR 165	ENGR 166	ENGR 167	ENGR 168	ENGR 169	ENGR 170	ENGR 171	ENGR 172	ENGR 173	ENGR 174	ENGR 175	ENGR 176	ENGR 177	ENGR 178	ENGR 179	ENGR 180	ENGR 181	ENGR 182	ENGR 183	ENGR 184	ENGR 185	ENGR 186	ENGR 187	ENGR 188	ENGR 189	ENGR 190	ENGR 191	ENGR 192	ENGR 193	ENGR 194	ENGR 195	ENGR 196	ENGR 197	ENGR 198	ENGR 199	ENGR 200	ENGR 201	ENGR 202	ENGR 203	ENGR 204	ENGR 205	ENGR 206	ENGR 207	ENGR 208	ENGR 209	ENGR 210	ENGR 211	ENGR 212	ENGR 213	ENGR 214	ENGR 215	ENGR 216	ENGR 217	ENGR 218	ENGR 219	ENGR 220	ENGR 221	ENGR 222	ENGR 223	ENGR 224	ENGR 225	ENGR 226	ENGR 227	ENGR 228	ENGR 229	ENGR 230	ENGR 231	ENGR 232	ENGR 233	ENGR 234	ENGR 235	ENGR 236	ENGR 237	ENGR 238	ENGR 239	ENGR 240	ENGR 241	ENGR 242	ENGR 243	ENGR 244	ENGR 245	ENGR 246	ENGR 247	ENGR 248	ENGR 249	ENGR 250	ENGR 251	ENGR 252	ENGR 253	ENGR 254	ENGR 255	ENGR 256	ENGR 257	ENGR 258	ENGR 259	ENGR 260	ENGR 261	ENGR 262	ENGR 263	ENGR 264	ENGR 265	ENGR 266	ENGR 267	ENGR 268	ENGR 269	ENGR 270	ENGR 271	ENGR 272	ENGR 273	ENGR 274	ENGR 275	ENGR 276	ENGR 277	ENGR 278	ENGR 279	ENGR 280	ENGR 281	ENGR 282	ENGR 283	ENGR 284	ENGR 285	ENGR 286	ENGR 287	ENGR 288	ENGR 289	ENGR 290	ENGR 291	ENGR 292	ENGR 293	ENGR 294	ENGR 295	ENGR 296	ENGR 297	ENGR 298	ENGR 299	ENGR 300	ENGR 301	ENGR 302	ENGR 303	ENGR 304	ENGR 305	ENGR 306	ENGR 307	ENGR 308	ENGR 309	ENGR 310	ENGR 311	ENGR 312	ENGR 313	ENGR 314	ENGR 315	ENGR 316	ENGR 317	ENGR 318	ENGR 319	ENGR 320	ENGR 321	ENGR 322	ENGR 323	ENGR 324	ENGR 325	ENGR 326	ENGR 327	ENGR 328	ENGR 329	ENGR 330	ENGR 331	ENGR 332	ENGR 333	ENGR 334	ENGR 335	ENGR 336	ENGR 337	ENGR 338	ENGR 339	ENGR 340	ENGR 341	ENGR 342	ENGR 343	ENGR 344	ENGR 345	ENGR 346	ENGR 347	ENGR 348	ENGR 349	ENGR 350	ENGR 351	ENGR 352	ENGR 353	ENGR 354	ENGR 355	ENGR 356	ENGR 357	ENGR 358	ENGR 359	ENGR 360	ENGR 361	ENGR 362	ENGR 363	ENGR 364	ENGR 365	ENGR 366	ENGR 367	ENGR 368	ENGR 369	ENGR 370	ENGR 371	ENGR 372	ENGR 373	ENGR 374	ENGR 375	ENGR 376	ENGR 377	ENGR 378	ENGR 379	ENGR 380	ENGR 381	ENGR 382	ENGR 383	ENGR 384	ENGR 385	ENGR 386	ENGR 387	ENGR 388	ENGR 389	ENGR 390	ENGR 391	ENGR 392	ENGR 393	ENGR 394	ENGR 395	ENGR 396	ENGR 397	ENGR 398	ENGR 399	ENGR 400	ENGR 401	ENGR 402	ENGR 403	ENGR 404	ENGR 405	ENGR 406	ENGR 407	ENGR 408	ENGR 409	ENGR 410	ENGR 411	ENGR 412	ENGR 413	ENGR 414	ENGR 415	ENGR 416	ENGR 417	ENGR 418	ENGR 419	ENGR 420	ENGR 421	ENGR 422	ENGR 423	ENGR 424	ENGR 425	ENGR 426	ENGR 427	ENGR 428	ENGR 429	ENGR 430	ENGR 431	ENGR 432	ENGR 433	ENGR 434	ENGR 435	ENGR 436	ENGR 437	ENGR 438	ENGR 439	ENGR 440	ENGR 441	ENGR 442	ENGR 443	ENGR 444	ENGR 445	ENGR 446	ENGR 447	ENGR 448	ENGR 449	ENGR 450	ENGR 451	ENGR 452	ENGR 453	ENGR 454	ENGR 455	ENGR 456	ENGR 457	ENGR 458	ENGR 459	ENGR 460	ENGR 461	ENGR 462	ENGR 463	ENGR 464	ENGR 465	ENGR 466	ENGR 467	ENGR 468	ENGR 469	ENGR 470	ENGR 471	ENGR 472	ENGR 473	ENGR 474	ENGR 475	ENGR 476	ENGR 477	ENGR 478	ENGR 479	ENGR 480	ENGR 481	ENGR 482	ENGR 483	ENGR 484	ENGR 485	ENGR 486	ENGR 487	ENGR 488	ENGR 489	ENGR 490	ENGR 491	ENGR 492	ENGR 493	ENGR 494	ENGR 495	ENGR 496	ENGR 497	ENGR 498	ENGR 499	ENGR 500	ENGR 501	ENGR 502	ENGR 503	ENGR 504	ENGR 505	ENGR 506	ENGR 507	ENGR 508	ENGR 509	ENGR 510	ENGR 511	ENGR 512	ENGR 513	ENGR 514	ENGR 515	ENGR 516	ENGR 517	ENGR 518	ENGR 519	ENGR 520	ENGR 521	ENGR 522	ENGR 523	ENGR 524	ENGR 525	ENGR 526	ENGR 527	ENGR 528	ENGR 529	ENGR 530	ENGR 531	ENGR 532	ENGR 533	ENGR 534	ENGR 535	ENGR 536	ENGR 537	ENGR 538	ENGR 539	ENGR 540	ENGR 541	ENGR 542	ENGR 543	ENGR 544	ENGR 545	ENGR 546	ENGR 547	ENGR 548	ENGR 549	ENGR 550	ENGR 551	ENGR 552	ENGR 553	ENGR 554	ENGR 555	ENGR 556	ENGR 557	ENGR 558	ENGR 559	ENGR 560	ENGR 561	ENGR 562	ENGR 563	ENGR 564	ENGR 565	ENGR 566	ENGR 567	ENGR 568	ENGR 569	ENGR 570	ENGR 571	ENGR 572	ENGR 573	ENGR 574	ENGR 575	ENGR 576	ENGR 577	ENGR 578	ENGR 579	ENGR 580	ENGR 581	ENGR 582	ENGR 583	ENGR 584	ENGR 585	ENGR 586	ENGR 587	ENGR 588	ENGR 589	ENGR 590	ENGR 591	ENGR 592	ENGR 593	ENGR 594	ENGR 595	ENGR 596	ENGR 597	ENGR 598	ENGR 599	ENGR 600	ENGR 601	ENGR 602	ENGR 603	ENGR 604	ENGR 605	ENGR 606	ENGR 607	ENGR 608	ENGR 609	ENGR 610	ENGR 611	ENGR 612	ENGR 613	ENGR 614	ENGR 615	ENGR 616	ENGR 617	ENGR 618	ENGR 619	ENGR 620	ENGR 621	ENGR 622	ENGR 623	ENGR 624	ENGR 625	ENGR 626	ENGR 627	ENGR 628	ENGR 629	ENGR 630	ENGR 631	ENGR 632	ENGR 633	ENGR 634	ENGR 635	ENGR 636	ENGR 637	ENGR 638	ENGR 639	ENGR 640	ENGR 641	ENGR 642	ENGR 643	ENGR 644	ENGR 645	ENGR 646	ENGR 647	ENGR 648	ENGR 649	ENGR 650	ENGR 651	ENGR 652	ENGR 653	ENGR 654	ENGR 655	ENGR 656	ENGR 657	ENGR 658	ENGR 659	ENGR 660	ENGR 661	ENGR 662	ENGR 663	ENGR 664	ENGR 665	ENGR 666	ENGR 667	ENGR 668	ENGR 669	ENGR 670	ENGR 671	ENGR 672	ENGR 673	ENGR 674	ENGR 675	ENGR 676	ENGR 677	ENGR 678	ENGR 679	ENGR 680	ENGR 681	ENGR 682	ENGR 683	ENGR 684	ENGR 685	ENGR 686	ENGR 687	ENGR 688	ENGR 689	ENGR 690	ENGR 691	ENGR 692	ENGR 693	ENGR 694	ENGR 695	ENGR 696	ENGR 697	ENGR 698	ENGR 699	ENGR 700	ENGR 701	ENGR 702	ENGR 703	ENGR 704	ENGR 705	ENGR 706	ENGR 707	ENGR 708	ENGR 709	ENGR 710	ENGR 711	ENGR 712	ENGR 713	ENGR 714	ENGR 715	ENGR 716	ENGR 717	ENGR 718	ENGR 719	ENGR 720	ENGR 721	ENGR 722	ENGR 723	ENGR 724	ENGR 725	ENGR 726	ENGR 727	ENGR 728	ENGR 729	ENGR 730	ENGR 731	ENGR 732	ENGR 733	ENGR 734	ENGR 735	ENGR 736	ENGR 737	ENGR 738	ENGR 739	ENGR 740	ENGR 741	ENGR 742	ENGR 743	ENGR 744	ENGR 745	ENGR 746	ENGR 747	ENGR 748	ENGR 749	ENGR 750	ENGR 751	ENGR 752	ENGR 753	ENGR 754	ENGR 755	ENGR 756	ENGR 757	ENGR 758	ENGR 759	ENGR 760	ENGR 761	ENGR 762	ENGR 763	ENGR 764	ENGR 765	ENGR 766	ENGR 767	ENGR 768	ENGR 769	ENGR 770	ENGR 771	ENGR 772	ENGR 773	ENGR 774	ENGR 775	ENGR 776	ENGR 777	ENGR 778	ENGR 779	ENGR 780	ENGR 781	ENGR 782	ENGR 783	ENGR 784	ENGR 785	ENGR 786	ENGR 787	ENGR 788	ENGR 789	ENGR 790	ENGR 791	ENGR 792	ENGR 793	ENGR 794	ENGR 795	ENGR 796	ENGR 797	ENGR 798	ENGR 799	ENGR 800	ENGR 801	ENGR 802	ENGR 803	ENGR 804	ENGR 805	ENGR 806	ENGR 807	ENGR 808	ENGR 809	ENGR 810	ENGR 811	ENGR 812	ENGR 813	ENGR 814	ENGR 815	ENGR 816	ENGR 817	ENGR 818	ENGR 819	ENGR 820	ENGR 821	ENGR 822	ENGR 823	ENGR 824	ENGR 825	ENGR 826	ENGR 827	ENGR 828	ENGR 829	ENGR 830	ENGR 831	ENGR 832	ENGR 833	ENGR 834	ENGR 835	ENGR 836	ENGR 837	ENGR 838	ENGR 839	ENGR 840	ENGR 841	ENGR 842	ENGR 843	ENGR 844	ENGR 845	ENGR 846	ENGR 847	ENGR 848	ENGR 849	ENGR 850	ENGR 851	ENGR 852	ENGR 853	ENGR 854	ENGR 855	ENGR 856	ENGR 857	ENGR 858	ENGR 859	ENGR 860	ENGR 861	ENGR 862	ENGR 863	ENGR 864	ENGR 865	ENGR 866	ENGR 867	ENGR 868	ENGR 869	ENGR 870	ENGR 871	ENGR 872	ENGR 873	ENGR 874	ENGR 875	ENGR 876	ENGR 877	ENGR 878	ENGR 879	ENGR 880	ENGR 881	ENGR 882	ENGR 883	ENGR 884	ENGR 885	ENGR 886	ENGR 887	ENGR 888	ENGR 889	ENGR 890	ENGR 891	ENGR 892	ENGR 893	ENGR 894	ENGR 895	ENGR 896	ENGR 897	ENGR 898	ENGR 899	ENGR 900	ENGR 901	ENGR 902	ENGR 903	ENGR 904	ENGR 905	ENGR 906	ENGR 907	ENGR 908	ENGR 909	ENGR 910	ENGR 911	ENGR 912	ENGR 913	ENGR 914	ENGR 915	ENGR 916	ENGR 917	ENGR 918	ENGR 919	ENGR 920	ENGR 921	ENGR 922	ENGR 923	ENGR 924	ENGR 925	ENGR 926	ENGR 927	ENGR 928	ENGR 929	ENGR 930	ENGR 931	ENGR 932	ENGR 933	ENGR 934	ENGR 935	ENGR 936	ENGR 937	ENGR 938	ENGR 939	ENGR 940	ENGR 941	ENGR 942	ENGR 943	ENGR 944	ENGR 945	ENGR 946	ENGR 947	ENGR 948	ENGR 949	ENGR 950	ENGR 951	ENGR 952	ENGR 953	ENGR 954	ENGR 955	ENGR 956	ENGR 957	ENGR 958	ENGR 959	ENGR 960	ENGR 961	ENGR 962	ENGR 963	ENGR 964	ENGR 965	ENGR 966	ENGR 967	ENGR 968	ENGR 969	ENGR 970	ENGR 971	ENGR 972	ENGR 973	ENGR 974	ENGR 975	ENGR 976	ENGR 977	ENGR 978	ENGR 979	ENGR 980	ENGR 981	ENGR 982	ENGR 983	ENGR 984	ENGR 985	ENGR 986	ENGR 987	ENGR 988	ENGR 989	ENGR 990	ENGR 991	ENGR 992	ENGR 993	ENGR 994	ENGR 995	ENGR 996	ENGR 997	ENGR 998	ENGR 999	ENGR 1000	ENGR 1001	ENGR 1002	ENGR 1003	ENGR 1004	ENGR 1005	ENGR 1006	ENGR 1007	ENGR 1008	ENGR 1009	ENGR 1010	ENGR 1011	ENGR 1012	ENGR 1013	ENGR 1014	ENGR 1015	ENGR 1016	ENGR 1017	ENGR 1018	ENGR 1019	ENGR 1020	ENGR 1021	ENGR 1022	ENGR 1023	ENGR 1024	ENGR 1025	ENGR 1026	ENGR 1027	ENGR 1028	ENGR 1029	ENGR 1030	ENGR 1031	ENGR 1032	ENGR 1033	ENGR 1034	ENGR 1035	ENGR 1036	ENGR 1037	ENGR 1038	ENGR 1039	ENGR 1040	ENGR 1041	ENGR 1042	ENGR 1043	ENGR 1044	ENGR 1045	ENGR 1046	ENGR 1047	ENGR 1048	ENGR 1049	ENGR 1050	ENGR 1051	ENGR 1052	ENGR 1053	ENGR 1054	ENGR 1055	ENGR 1056	ENGR 1057	ENGR 1058	ENGR 1059	ENGR 1060	ENGR 1061	ENGR 1062	ENGR 1063	ENGR 1064	ENGR 1065	ENGR 1066	ENGR 1067	ENGR 1068	ENGR 1069	ENGR 1070	ENGR 1071	ENGR 1072	ENGR 1073	ENGR 1074	ENGR 1075	ENGR 1076	ENGR 1077	ENGR 1078	ENGR 1079	ENGR 1080	ENGR 1081	ENGR 1082	ENGR 1083	ENGR 1084	ENGR 1085	ENGR 1086	ENGR 1087	ENGR 1088	ENGR 1089	ENGR 1090	ENGR 1091	ENGR 1092	ENGR 1093	ENGR 1094	ENGR 1095	ENGR 1096	ENGR 1097	ENGR 1098	ENGR 1099	ENGR 1100	ENGR 1101	ENGR 1102	ENGR 1103	ENGR 1104	ENGR 1105	ENGR 1106	ENGR 1107	ENGR 1108	ENGR 1109	ENGR 1110	ENGR 1111	ENGR 1112	ENGR 1113	ENGR 1114	ENGR 1115	ENGR 1116	ENGR 1117	ENGR 1118	ENGR 1119	ENGR 1120	ENGR 1121	ENGR 1122	ENGR 1123	ENGR 1124	ENGR 1125	ENGR 1126	ENGR 1127	ENGR 1128	ENGR 1129	ENGR 1130	ENGR 1131	ENGR 1132	ENGR 1133	ENGR 1134	ENGR 1135	ENGR 1136	ENGR 1137	ENGR 1138	ENGR 1139	ENGR 1140	ENGR 1141	ENGR 1142	ENGR 1143	ENGR 1144	ENGR 1145	ENGR 1146	ENGR 1147	ENGR 1148	ENGR 1149	ENGR 1150	ENGR 1151	ENGR 1152	ENGR 1153	ENGR 1154	ENGR 1155	ENGR 1156	ENGR 1157	ENGR 1158	ENGR 1159	ENGR 1160	ENGR 1161	ENGR 1162	ENGR 1163	ENGR 1164	ENGR 1165	ENGR 1166	ENGR 1167	ENGR 1168	ENGR 1169	ENGR 1170	ENGR 1171	ENGR 1172	ENGR 1173	ENGR 1174	ENGR 1175	ENGR 1176	ENGR 1177	ENGR 1178	ENGR 1179	ENGR 1180	ENGR 1181	ENGR 1182	ENGR 1183	ENGR 1184	ENGR 1185	ENGR 1186	ENGR 1187	ENGR 1188
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Institute Marks : 40.00

Course Direct Attainments**2020-2024 BATCH**

COURSE NAME	CO1	CO2	CO3	CO4	CO5
C111(M-I)	1.93	1.93	2.4	1.7	1.47
C112(EP)	1.88	1.7	1.58	1.7	1.7
C113(PPSC)	2.4	2.3	2.44	2.5	2.5
C114(ENG)	1.77	2	1.83	2.47	2.47
C115(ED)	1.7	2.05	1.7	1.7	1.7
C116(EPLAB)	2.07	2.07	2.07	2.07	2.07
C117(PPSC LAB)	2.3	2.3	2.3	2.3	2.3
C118(ELCS LAB)	1.7	2.4	2.4	2.2	2.4
C119(ES)	2.4	2.39	2.4	2.45	2.3
C121(M-II)	1.42	1.68	1.55	1.69	1.68
C122(EC)	2.48	2.13	2.18	2.13	2.3
C123(EM)	2.23	1.7	1.7	2.17	2.23
C124(BEEE)	2.53	2	2.47	2.23	2.47
C125(TD)	3.00	2.53	2.53	3	2.53
C126(WP LAB)	3.00	2.53	2.77	2.53	2.53
C127(EC LAB)	2.07	2.07	2.07	2.07	2.07
C128(BEEE LAB)	3.00	2.53	2.77	2.53	2.53
C129(CI)	3.00	3.00	3.00	3.00	3.00
C211(VCFT)	1.70	1.93	1.88	2.17	2.17
C212(MOS)	1.70	1.88	1.96	1.93	1.88
C213(FMHM)	1.18	1.18	1.50	1.70	1.70
C214(PT)	1.70	1.70	1.93	1.93	2.17
C215(KOM)	1.53	1.70	1.50	1.70	2.05
C216(CAEDP)	2.00	2.27	2.00	2.00	2.70
C217(FM&HM LAB)	2.07	2.22	3.00	2.69	2.07
C218(PT LAB)	2.40	1.70	1.88	1.47	1.64
C219(D&M LAB)	1.93	1.93	1.93	1.93	1.93
C221(MS&M)	2.40	2.05	1.90	1.88	1.70

C222 (CVSM)	1.70	2.17	2.23	1.93	1.70
C223 (DOM)	1.93	1.93	1.93	1.93	1.93
C224(TE-I)	1.78	2.05	1.70	1.70	1.70
C225(IEM)	1.53	1.53	1.79	1.70	1.88
C226(MOS&M LAB)	1.00	1.00	1.00	1.00	1.00
C227(MD)	1.00	1.00	1.00	1.00	1.00
C228(TOM LAB)	1.38	1.23	1.00	1.00	1.40
C229(PP LAB)	2.5	2.5	2.5	2.5	2.5
C311(TE-II)	2.40	2.40	2.61	1.70	1.00
C312(DMM-I)	2.05	1.93	1.80	1.47	1.70
C313(MMM)	1.70	1.70	2.23	2.40	2.05
C314(OR)	1.93	1.70	1.82	1.93	2.05
C315(AM)	2.23	1.88	1.70	1.53	1.53
C316(MT LAB)	2.50	2.49	2.53	2.50	2.50
C317(TE LAB)	1.80	1.76	1.80	1.82	1.82
C318(ACS LAB)	2.44	2.40	2.40	2.40	2.40
C319(PEHV)	3.00	3.00	3.00	3.00	3.00
C3110(SUMMER INTERNSHIP)	3.00	3.00	3.00	3.00	3.00
C321(HT)	1.93	1.88	1.60	1.70	1.53
C322(DMM-II)	1.70	1.70	1.70	1.70	1.70
C323(AI&ML)	1.70	1.53	1.88	2.23	2.05
C324(AE)	1.18	1.35	1.60	1.93	2.17
C325(IR)	1.93	1.70	1.82	1.70	1.70
C326(HT LAB)	2.52	2.67	2.64	2.60	2.60
C327(CAE&CAM LAB)	2.30	2.50	2.44	2.57	2.57
C328(M&M LAB)	2.60	2.58	2.58	2.58	2.76
C329(AIML LAB)	2.30	2.30	2.30	2.53	2.42
C3210(RM&IPR)	2.30	1.60	1.95	1.60	2.30
C411(UCMP)	2.48	2.48	2.48	2.48	2.48
C412(PPC)	2.64	2.44	2.7	2.36	2.36
C413(R&AC)	1.62	1.62	1.48	1.62	1.62
C414(EM)	1.8	2.6	2.24	1.8	2.6

C415(DM)	2.52	2.92	2.60	3	2.92
C416(UHV)	2.32	2.12	2.32	2.12	2.23
C417(MECH LAB)	1.4	1.4	1.4	1.4	1.4
C418(SUMMER INTERNSHIP)	3.00	3.00	3.00	3.00	3.00
C421(PROJECT)	3.00	3.00	3.00	3.00	3.00

2020-24 BATCH**CO INDIRECT ATTAINMENTS**

COURSE NAME	CO1	CO2	CO3	CO4	CO5	Avg
C111(M-I)	2.6	2	2.4	2.6	2.4	2.40
C112(EP)	2.4	2.2	2.4	2.2	2.8	2.40
C113(PPSC)	2.12	2.59	2.39	2.41	2.44	2.39
C114(ENG)	2.49	2.34	2.54	2.56	2.36	2.5
C115(ED)	2.2	2.4	2.2	2.4	2.6	2.36
C116(EPLAB)	2	2.4	2.4	2.6	2.4	2.32
C117(PPSCLAB)	2	2.2	2.4	2.6	2.4	2.32
C118(ELCS LAB)	2.59	2.35	2.49	2.41	2.54	2.45
C119(ES)	2	2.4	2.4	2.6	2.4	2.32
C211(VCFT)	2.38	2.04	2.25	2.19	2.52	2.28
C212(MOS)	2.42	2.08	2.25	2.1	2.58	2.29
C213(FMHM)	2.33	2.08	2.38	2.19	2.52	2.30
C214(PT)	2.4	2.06	2.38	2.08	2.54	2.29
C215(KOM)	2.29	2.06	2.44	2.23	2.44	2.29
C216(CAEDP)	2.42	2.04	2.35	2.13	2.56	2.30
C217(FMHM Lab)	2.44	2.06	2.31	2.13	2.54	2.30
C218(PT Lab)	2.52	2.06	2.29	2.19	2.46	2.30
C219(D&M Lab)	2.44	2.23	2.17	2.1	2.56	2.30
C311(TE-II)	2.73	2.7	2.77	2.57	2.69	2.69
C312(DMM-I)	2.6	2.67	2.6	2.7	2.6	2.63
C313(MMM)	2.63	2.7	2.6	2.7	2.6	2.65
C314(OR)	2.67	2.6	2.5	2.53	2.53	2.57
C315(AM)	2.63	2.6	2.6	2.53	2.57	2.59

C316(MT LAB)	2.47	2.53	2.5	2.57	2.63	2.54
C317(TE LAB)	2.7	2.6	2.8	2.77	2.67	2.71
C318(ACS LAB)	2.63	2.62	2.73	2.7	2.57	2.65
C319(PEHV)	2.6	2.67	2.6	2.7	2.6	2.63
C3110(SUMMER INTERNSHIP)	2.12	2.59	2.39	2.41	2.44	2.39
C411(UCMP)	3.00	3.00	3.00	3.00	3.00	3.00
C412(PPC)	3.00	3.00	3.00	3.00	3.00	3.00
C413(R&AC)	3.00	3.00	3.00	3.00	3.00	3.00
C414(EM)	3.00	3.00	3.00	3.00	3.00	3.00
C415(DM)	3.00	3.00	3.00	3.00	3.00	3.00
C416(UHV)	3.00	3.00	3.00	3.00	3.00	3.00
C417(MECH LAB)	3.00	3.00	3.00	3.00	3.00	3.00
C418(SUMMER INTERNSHIP)	3.00	3.00	3.00	3.00	3.00	3.00
C121(M-II)	2.4	2	2.4	2.6	2.4	2.4
C122(EC)	2.33	2.54	2.37	2.34	2.56	2.43
C123(EM)	2.6	2	2.4	2.6	2.4	2.4
C124(BEEE)	2.12	2.59	2.39	2.41	2.44	2.39
C125(TD)	2.6	2	2.4	2.6	2.4	2.4
C126(WP LAB)	2.5	2.1	2.25	2.13	2.56	2.31
C127(EC LAB)	2.33	2.55	2.35	2.35	2.55	2.44
C128(BEEE LAB)	2.33	2.54	2.37	2.34	2.56	2.43
C129(CI)	2.46	1.98	2.35	2.13	2.31	2.25
C221(MSM)	2.4	2	2.25	2.19	2.5	2.27
C222(CVSM)	2.46	2	2.33	2.04	2.52	2.27
C223(DOM)	2.5	2.1	2.25	2.13	2.56	2.31
C224(TE-I)	2.46	1.98	2.35	2.13	2.31	2.25
C225(IEM)	2.31	2.15	2.4	2.17	2.48	2.30
C226(MOS & M Lab)	2.46	2.04	2.35	2.13	2.58	2.31
C227(MD Lab)	2.31	2.12	2.4	2.17	2.48	2.30
C228(TOM Lab)	2.42	2.06	2.35	2.06	2.56	2.29
C229(PP LAB)	2.76	2.766	2.74	2.76	2.83	2.77

C321(HT)	2.89	2.87	2.76	2.87	2.74	2.87
C322(DMM-II)	2.76	2.83	2.83	2.76	2.78	2.79
C323(AIML)	2.76	2.766	2.74	2.76	2.83	2.77
C324(AE)	2.78	2.78	2.85	2.85	2.74	2.8
C325(IR)	2.76	2.83	2.8	2.76	2.8	2.79
C326(HT LAB)	2.78	2.8	2.84	2.82	2.76	2.8
C327(CAE & CAM LAB)	2.8	2.73	2.78	2.87	2.82	2.8
C328(M&M LAB)	2.8	2.8	2.76	2.84	2.89	2.82
C329(AIML LAB)	2.84	2.82	2.8	2.78	2.78	2.80
C3210(RM&IPR)	2.76	2.8	2.84	2.84	2.84	2.82
C421(PROJECT)	3.00	3.00	3.00	3.00	3.00	3.00

Overall Course Attainments**2020-2024 BATCH**

S.NO	COURSE	Direct Attainment	Indirect Attainment	Overall Attainment	Target	Attained (Y/N)
1	C111(M-I)	1.88	2.4	1.98	1.80	Y
2	C112(EP)	1.71	2.4	1.85	1.69	Y
3	C113(PPSC)	2.35	2.39	2.36	2.18	Y
4	C114(ENG)	2.35	2.5	2.38	1.46	Y
5	C115(ED)	1.88	2.36	1.98	1.58	Y
6	C116(EPLAB)	2.07	2.32	2.12	1.80	Y
7	C117(PPSCLAB)	2.3	2.32	2.30	2.46	Y
8	C118(ELCS LAB)	2.35	2.45	2.37	1.37	Y
9	C119(ES)	2.41	2.32	2.39	1.80	Y
10	C121(M-II)	1.62	2.4	1.78	1.80	N
11	C122(EC)	2.24	2.43	2.28	1.69	Y

12	C123(EM)	2.01	2.4	2.09	1.76	Y
13	C124(BEEE)	2.34	2.39	2.35	2.21	Y
14	C125(TD)	2.72	2.4	2.66	1.58	Y
15	C126(WP LAB)	2.61	2.31	2.55	1.80	Y
16	C127(EC LAB)	2.07	2.44	2.14	2.25	N
17	C128(BEEE LAB)	2.61	2.43	2.57	1.95	Y
18	C129(CI)	3	2.25	2.85	1.80	Y
19	C211(VCFT)	1.97	2.28	2.03	1.80	Y
20	C212(MOS)	1.87	2.29	1.95	1.80	Y
21	C213(FMHM)	1.45	2.3	1.62	1.68	N
22	C214(PT)	1.89	2.29	1.97	1.89	Y
23	C215(KOM)	1.7	2.29	1.82	1.67	Y
24	C216(CAEDP)	2.28	2.3	2.28	1.64	Y
25	C217(FM&HM LAB)	2.41	2.3	2.39	1.80	Y
26	C218(PT LAB)	1.82	2.3	1.92	1.69	Y
27	C219(D&M LAB)	1.93	2.3	2.00	1.58	Y
28	C221(MS&M)	1.99	2.27	2.05	1.44	Y
29	C222 (CVSM)	1.95	2.27	2.01	1.80	Y
30	C223 (DOM)	1.93	2.31	2.01	1.71	Y
31	C224(TE-I)	1.77	2.25	1.87	1.50	Y
32	C225(IEM)	1.68	2.3	1.80	1.94	Y
33	C226(MOS&M LAB)	1	2.31	1.26	1.80	N

34	C227(MD)	1	2.3	1.26	2.48	N
35	C228(TOM LAB)	1.2	2.29	1.42	1.80	N
36	C229(PP LAB)	2.5	2.77	2.55	1.76	Y
37	C311(TE-II)	2.02	2.69	2.15	2.25	N
38	C312(DMM-I)	1.79	2.63	1.96	1.92	Y
39	C313(MMM)	2.02	2.65	2.15	2.25	N
40	C314(OR)	1.89	2.57	2.03	1.58	Y
41	C315(AM)	1.77	2.59	1.93	1.49	Y
42	C316(MT LAB)	2.5	2.54	2.51	1.80	Y
43	C317(TE LAB)	1.81	2.71	1.99	1.59	Y
44	C318(ACS LAB)	2.41	2.65	2.46	1.37	Y
45	C319(PEHV)	3	2.63	2.93	2.25	Y
46	C3110(SUMMER INTERNSHIP)	3	2.39	2.88	2.11	Y
47	C321(HT)	1.73	2.87	1.96	1.35	Y
48	C322(DMM-II)	1.7	2.79	1.92	1.58	Y
49	C323(AI&ML)	1.88	2.77	2.06	1.80	Y
50	C324(AE)	1.65	2.8	1.88	1.40	Y
51	C325(IR)	1.77	2.79	1.97	1.80	Y
52	C326(HT LAB)	2.61	2.8	2.65	1.52	Y
53	C327(CAE&CAM LAB)	2.48	2.8	2.54	2.03	Y
54	C328(M&M LAB)	2.61	2.82	2.65	1.67	Y
55	C329(AI ML LAB)	2.37	2.8	2.46	1.89	Y

56	C3210(RM&IPR)	1.95	2.82	2.12	1.80	Y
57	C411(UCMP)	2.48	3	2.58	1.80	Y
58	C412(PPC)	2.5	3	2.60	1.86	Y
59	C413(R&AC)	1.59	3	1.87	1.58	Y
60	C414(EM)	2.2	3	2.36	2.31	Y
61	C415(DM)	2.82	3	2.86	1.91	Y
62	C416(UHV)	2.24	3	2.39	2.25	Y
63	C417(MECH LAB)	1.4	3	1.72	1.95	N
64	C418(SUMMER INTERNSHIP)	3	3	3.00	2.11	Y
65	C421(PROJECT)	3	3	3.00	1.88	Y

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

A. List of assessment tools & processes (5)

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

Assessment Tools and Processes

Programme outcome attainment process has been done by taking direct 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.

Attainment of each PO is calculated by using the below formula

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
	Unconventional Machining Processes (C411)														
C411.1	2.48	2.48	1.65									0.82	2.48	1.65	
C411.2	2.48	2.48	1.65									0.82	2.48	1.65	
C411.3	2.48	2.48	1.65									0.82	2.48	1.65	
C411.4	2.48	2.48	1.65	0.82								0.82	2.48	1.65	
C411.5	2.48	2.48	1.65									0.82	2.48	1.65	
C411		2.48	1.65	0.82								0.82	2.48	1.65	



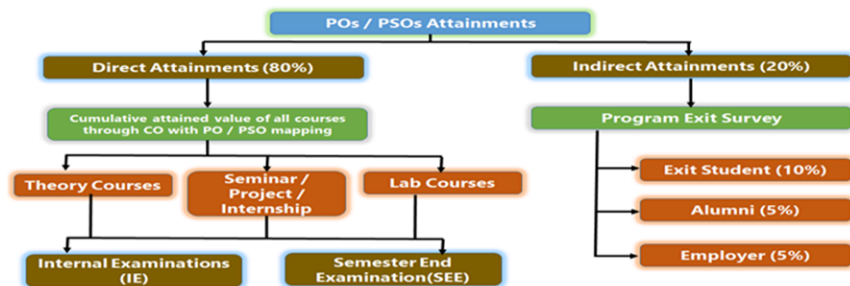
SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Mechanical Engineering

CO-PO MAPPING WITH PO/PSOS

COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Unconventional Machining Processes (C411)														
C411.1	3	2										1	3	2
C411.2	3	2										1	3	2
C411.3	3	2										1	3	2
C411.4	3	2	1									1	3	2
C411.5	3	2										1	3	2
C411	3	2	1									1	3	2

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 (5%), Employer (5%)	20%



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 PO Attainment Procedure:

1. Exit Student Feedback Form



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DEPARTMENT OF MECHANICAL ENGINEERING


EXIT STUDENT FEEDBACK AY: 2023-2024

Student Name: _____ Student Regd. No: _____
 Academic Year: _____ Batch: _____
 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 form	
Exit student feedback form (2023-24)	
 NRI LAXMI INSTITUTE OF ENGINEERING & TECHNOLOGY Approved by AICTE, New Delhi & affiliated to JNTU Hyderabad Accredited by NBA (AACSB) & NAAC (A++ Grade) Affiliated to JNTU Hyderabad, NRI LAXMI INSTITUTE OF ENGINEERING & TECHNOLOGY A-9, 2023-24	
Student Name	
Student Regd. No.	
Academic Year	
Batch	
Email	
Phone No.	
FEEDBACK ON FACILITIES: 1. Central Library Facilities <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
2. Laboratories in Curriculum (Knowledge point of view and software point of view) <input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Poor	
3. Additional Laboratories & Project Lab status in the Department <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
4. Common Computer Center / Internet facilities <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
5. Available Software facilities in the Department <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
6. Sports & Guest facility <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
7. Counseling / Mentoring facilities <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
8. T & P Facilities regarding training as well as recruitment process <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
9. Canteen facilities <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
10. Entrepreneurship cell providing awareness programs and encouragement <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
11. Hostel facility <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
12. Transportation facility <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
13. Self-Learning Facility such as NPTEL, e-Journals, JNTUH <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
14. Student health care facilities in the campus <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	
15. Availability of First Aid boxes in the Laboratories <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Poor	

<p>17. Redressal of Grievances</p> <p>Excellence Good Poor</p> <p>18. Recreational facilities</p> <p>Excellence Good Poor</p> <p>19. Toilet facilities</p> <p>Excellence Good Poor</p> <p>20. Overall rating on infrastructure</p> <p>Excellence Good Poor</p> <p>FEEDBACK ON CURRICULUM</p> <p>21. Grade the way of defining course Objectives and outcomes of your overall program</p> <p>Excellence Good Poor</p> <p>22. Academic initiatives to bridge the gap between industry and academia</p> <p>Excellence Good Poor</p> <p>23. Syllabus to meet demand</p> <p>Excellence Good Poor</p> <p>24. Can you grade the content of syllabus given in each and every course</p> <p>Excellence Good Poor</p> <p>25. Availability of number of the prescribed books in your central library</p> <p>Excellence Good Poor</p>	<p>26. The course/syllabus has made me interested in the subject area</p> <p>Excellence Good Poor</p> <p>27. The course/program of studies covers sufficient number of optional papers</p> <p>Excellence Good Poor</p> <p>28. Innovative teaching methodologies to improve the competence</p> <p>Excellence Good Poor</p> <p>29. Fulfilling expectations and need of industry</p> <p>Excellence Good Poor</p> <p>30. Satisfaction of your expectation from the Department</p> <p>Excellence Good Poor</p> <p>FEEDBACK ON TEACHING-LEARNING-EVALUATION PROCESS</p> <p>31. Overall Academic Performance of students</p> <p>Excellence Good Poor</p> <p>32. Learning interest generated by the teachers through innovative teaching methods</p> <p>Excellence Good Poor</p> <p>33. Conducting of student seminars for improving confident levels</p> <p>Excellence Good Poor</p> <p>Guidance given by the faculty on laboratories</p> <p>Excellence Good Poor</p> <p>Arranging of Industrial Visits/field trips</p> <p>Excellence Good Poor</p>
<p>36. Regular advancement of the department</p> <p>Excellence Good Poor</p> <p>37. Quality of projects/Technology, Social Relevance and Industry Based</p> <p>Excellence Good Poor</p> <p>38. Department Association Activities</p> <p>Excellence Good Poor</p> <p>39. Extracurricular activities</p> <p>Excellence Good Poor</p> <p>40. Regular advancement of the department</p> <p>Excellence Good Poor</p> <p>41. Student peer Learning opportunities</p> <p>Excellence Good Poor</p> <p>42. Career guidance provided by the Faculty members</p> <p>Excellence Good Poor</p> <p>43. Training courses beyond the University/autonomous syllabus-Soft skills/CRT/CRA</p> <p>Excellence Good Poor</p> <p>44. Additional topics taught in the courses</p> <p>Excellence Good Poor</p> <p>45. Additional experiments conducted in the Laboratories</p> <p>Excellence Good Poor</p>	<p>46. 7 number of 1 hour papers conducted by the University</p> <p>Excellence Good Poor</p> <p>47. Formative of Mid term papers evaluation by the College</p> <p>Excellence Good Poor</p> <p>48. Implementation of analysis of student feedbacks</p> <p>Excellence Good Poor</p> <p>49. Syllabus and its relevance to meet the objectives</p> <p>Excellence Good Poor</p> <p>50. Interest created on Annual Project Exhibition</p> <p>Excellence Good Poor</p> <p>51. Technical student presentations done by the students in the Department</p> <p>Excellence Good Poor</p> <p>52. Effectiveness of Remedial classes its results</p> <p>Excellence Good Poor</p> <p>53. Syllabus creates interest to pursue higher studies in the particular subject</p> <p>Excellence Good Poor</p> <p>FEED BACK ON FACULTY, STAFF & ADMINISTRATION</p> <p>54. Sincerity/Commitment of the teachers in the Department</p> <p>Excellence Good Poor</p> <p>55. The regularity of conducting of class work by the teachers</p> <p>Excellence Good Poor</p>

2. Alumni feedback form:



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DEPARTMENT OF MECHANICAL 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.	
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:		

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 design requirements for a given problem which are appropriate to its solution	
3	How are you capable to design , and/or techniques that contribute to the development of solutions	
4	How college provides opportunity in the decision-making process of your project	
5	Type of modern tools used in your project,labs.	
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	Skills For Successful Career: Ability to apply engineering knowledge to get through the competitive examinations for employment /higher studies.	
14	Problem Solving Skills: Exercise latest techniques ,innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society.	
Any Other suggestions:		

Signature of the Alumni

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DEPARTMENT OF ELECTRICAL ENGINEERING

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

Name of the Alumni: **K. VIJAY KUNJUN** Branch: **ELECTRICAL**
 Year of graduation: **2019** Phone no: **940 5080662**
 Organization name: **Wipro Limited** Designation /Occupation: **Senior Software Engineer**
 Email: **vijayk777@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.	2
2	How our college Infrastructure & Lab facilities helped you to enhance your knowledge.	2
3	Usage of teaching aids and ICT in the class by faculty to facilitate teaching.	2
4	Facilities regarding sports and games.	2
5	How can you grade your Training & Placement activities.	2
6	Availability of reading material (Library /Internet/Other).	2
7	The college provides adequate opportunities and support to the students for upgrading.	2
8	Grade your Hostel & Canteen Facilities.	2
9	Grade your Co-curricular and Extracurricular Activities.	2
10	How college provides multiple opportunities to learn and grow.	2
CURRICULUM DESIGN & DEVELOPMENT		
11	Grade your Curriculum and Syllabi of the Courses.	2
12	Is it college takes efforts to engage students in monitoring, reviewing and improving quality of Teaching - Learning Process?	2
13	How teachers are informing expected competencies, course outcomes and program outcomes.	2
14	Timely announcement of examination results.	2
15	Opportunities for out of classroom learning (guest lectures, seminars, workshop, value added programs, conferences, competitions)	2
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?	2
2	How you are grading to identify and define the design requirements for a given problem which are appropriate to its solution	2
3	How are you capable to design, and/or techniques that contribute to the development of solutions	2
4	How college provides opportunity in the decision-making process of your project	2
5	Type of modern tools used in your project, labs.	2
6	Grade the impact of your final year project on society.	2
7	Capability of a student to implement global, security and safety issues at your career	2
8	In what way are you collaborating with your team members to deliver the task at your workplace	2
9	Roll of yours working with multidisciplinary teams	2
10	How are you supporting your team on design and present documents using the presentation tools	2
11	How capable you are to exceed the timelines allocated for the work	2
12	Grade your interest to pursue any higher education/undertaken certification/short-term courses for furtherance of your professional career?	2
PROGRAM SPECIFIC OUTCOMES		
13	Skills For Successful Career: Ability to apply engineering knowledge to get through the competitive examinations for employment /higher studies.	2
14	Problem Solving Skills: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society.	2
Any Other suggestions:		

K. vijay.
 Signature of the Alumni

3. Employer feedback form:



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DEPARTMENT OF MECHANICAL 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.	QUESTIONNAIRE - 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	
QUESTIONNAIRE - PSOs		
1	Skills For Successful Career: Ability to apply engineering knowledge to get through the competitive examinations for employment /higher studies.	
2	Problem Solving Skills: Exercise latest techniques ,innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society.	
Any Other suggestions:		

Date:

Employer Signature



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DEPARTMENT OF MECHANICAL ENGINEERING

EMPLOYER FEEDBACK AY:: 2022-2023

Name of the Employer: **N. SATEESH** Organization Name: **Suryatech solutions**
 Designation: **Managing Director** Mobile No: **9209299444**
 Email ID : **hmvastage@Suryatech solutions** Address: **ECR CROSS roads, Hyderabad.**
 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?	3
2	How you rate our graduate(s) with respect to their Ethical and Moral Values?	3
3	How you rate our graduate(s) with respect to Team work?	3
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?	3
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	2
9	How is Syllabus suitable for the current trends in the market	2
10	Add on Courses offered by the institution matches with the demands of the job market	2
11	How can you grade the knowledge, learning skills of our students	2
12	Communication and aptitude levels of the student is	2
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:		
Eg:- Curriculum is not as per industry Requirement		

FACILITIES		
17	How can you grade the hospitality of the Institute at the time of your visit	3
18	How can you grade the support extended by our Training and placement cell staff	3
19	Is the college providing required infrastructure for your recruitment process	3
20	Timeliness services offered by our faculty	3
21	Please give an overall rating of the custodial services (like clean of the rest rooms, other rooms, deliveries, events set-up, etc.)	3
Any Other suggestions:		

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

QUESTIONNAIRE - PSOs		
1	Skills For Successful Career: Ability to apply engineering knowledge to get through the competitive examinations for employment /higher studies.	3
2	Problem Solving Skills: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society.	3
Any Other suggestions:		

Date: 12/12/22

M. Sankar
Employer Signature

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	2.97	1.98	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.99
C112	2.96	1.97	PO3	1.48	PO5	PO6	PO7	PO8	0.99	PO10	PO11	PO12
C113	2.69	2.44	1.95	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.2
C114	PO1	PO2	PO3	PO4	PO5	1.47	1.47	2.28	2.53	3.00	PO11	2.94
C115	3	2.26	1.13	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.13
C116	2.12	1.60	PO3	2.12	2.12	PO6	PO7	PO8	3	PO10	PO11	PO12
C117	2.52	2.36	2.20	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C118	1.55	PO2	PO3	PO4	PO5	2.23	2.33	PO8	PO9	3	PO11	PO12
C119	PO1	PO2	PO3	PO4	PO5	PO6	3	2.39	PO9	PO10	PO11	1.20
C121	2.67	1.78	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.89
C122	1.70	2.43	2.43	PO4	PO5	2.43	2.43	PO8	PO9	PO10	PO11	PO12
C123	2.79	2.57	PO3	PO4	1.29	PO6	PO7	PO8	PO9	PO10	PO11	1.71
C124	2.69	2.49	1.92	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2.32
C125	3	3	1.52	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.52
C126	3	2.55	PO3	PO4	PO5	PO6	PO7	PO8	2.55	1.28	PO11	2.55
C127	1.71	1.71	PO3	PO4	PO5	2.57	2.57	PO8	PO9	PO10	PO11	PO12
C128	3	2.37	1.19	PO4	PO5	PO6	PO7	PO8	2.37	2.37	PO11	3
C129	PO1	PO2	PO3	PO4	PO5	PO6	PO7	3	2.85	1.43	PO11	2.85
C211	3	2.30	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.15
C212	1.95	2.93	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.98
C213	1.03	1.98	2.28	1.65	PO5	PO6	PO7	PO8	PO9	0.83	PO11	PO12
C214	2.81	1.88	1.88	PO4	PO5	PO6	PO7	PO8	PO9	1.88	PO11	1.47
C215	2.73	1.82	1.82	0.91	1.82	PO6	PO7	PO8	PO9	1.82	PO11	PO12
C216	2.75	2.87	1.62	PO4	3	PO6	PO7	PO8	2.50	2.00	PO11	1.25
C217	3	2.39	PO3	PO4	PO5	PO6	PO7	PO8	2.39	1.20	PO11	2.39
C218	3	2.48	1.24	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.54
C219	2.29	PO2	PO3	PO4	PO5	PO6	PO7	PO8	2.29	1.14	PO11	2.29
C221	3	2.56	PO3	PO4	PO5	PO6	1.28	PO8	PO9	1.28	PO11	1.28
C222	2.10	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.50
C223	3	2.76	PO3	PO4	PO5	1.58	PO7	PO8	PO9	PO10	PO11	1.58

C224	2.69	2.92	1.12	1.68	PO5	PO6	1.68	PO8	PO9	PO10	PO11	1.12
C225	1.84	2.34	PO3	PO4	PO5	1.67	PO7	PO8	PO9	PO10	1.34	PO12
C226	1.26	1.89	PO3	PO4	PO5	PO6	PO7	PO8	1.26	PO10	PO11	0.63
C227	1.37	0.92	1.37	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.37
C228	1.84	1.70	PO3	PO4	PO5	PO6	PO7	PO8	1.42	PO10	PO11	0.71
C229	2.86	2.62	2.09	PO4	2.62	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C311	1.72	2.58	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.75
C312	2.76	2.76	2.45	PO4	PO5	PO6	PO7	PO8	PO9	0.92	PO11	0.92
C313	2.58	1.72	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C314	3	2.55	1.16	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.16
C315	2.34	2.44	1.75	1.75	PO5	PO6	PO7	PO8	PO9	1.75	PO11	1.93
C316	3	2.51	PO3	PO4	PO5	PO6	PO7	PO8	2.51	PO10	PO11	1.26
C317	2.25	3	1.57	PO4	1.12	1.12	1.12	PO8	3	PO10	PO11	PO12
C318	1.62	PO2	PO3	PO4	PO5	2.15	2.43	PO8	PO9	3	PO11	PO12
C319	PO1	PO2	PO3	PO4	PO5	PO6	PO7	3	PO9	2.34	PO11	PO12
C3110	3	2.95	2.77	3	2.47	1.23	PO7	2.47	2.77	2.77	3	3
C321	2.61	3	1.37	1.37	PO5	PO6	PO7	PO8	PO9	1.37	PO11	1.37
C322	1.97	2.85	2.63	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.97
C323	2.60	2.27	1.85	PO4	2.60	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C324	3	2.11	1.26	PO4	2.41	1.26	PO7	PO8	PO9	PO10	PO11	1.26
C325	2.74	2.12	1.93	PO4	PO5	PO6	PO7	PO8	PO9	1.93	PO11	1.16
C326	3	3	1.96	PO4	3	1.57	2.35	PO8	PO9	PO10	PO11	1.57
C327	1.13	2.26	3	PO4	PO5	PO6	PO7	PO8	3	PO10	PO11	PO12
C328	3	2.86	PO3	PO4	PO5	PO6	PO7	PO8	1.43	PO10	PO11	2.86
C329	1.64	2.34	3	PO4	2.34	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C3210	2.12	PO2	1.60	PO4	PO5	PO6	PO7	3	PO9	PO10	PO11	PO12
C411	3	2.58	2.58	PO4	PO5	PO6	PO7	PO8	PO9	2.58	PO11	1.29
C412	2.77	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	1.26	PO11	PO12
C413	2.78	2.56	PO3	PO4	PO5	PO6	1.169	PO8	PO9	PO10	PO11	1.69
C414	PO1	PO2	1.84	PO4	2.76	2.53	2.3	2.57	2.76	2.3	PO11	1.84
C415	2.72	PO2	2.72	2.72	2.72	3	3	2.72	PO9	2.72	1.36	3
C416	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2.87	PO9	1.91	PO11	PO12

C417	2.38	1.59	PO3	PO4	1.59	PO6	PO7	PO8	1.59	2.38	PO11	0.79
C418	3	3	2.88	3	2.56	1.28	PO7	2.56	2.88	2.88	3	3
C421	2.17	2.17	1.44	1.44	0.72	0.72	0.72	1.44	2.17	2.17	1.44	1.44
PO Attainment	2.46	2.40	2.04	2.00	2.28	1.91	2.11	2.53	2.36	2.03	2.13	1.80

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.47	2.39	1.93	1.92	2.20	1.79	1.99	2.57	2.31	1.98	2.03	1.66
InDirect Attainment	2.43	2.43	2.46	2.31	2.6	2.4	2.57	2.38	2.58	2.22	2.55	2.34

PSO Attainment

Course	PSO1	PSO2
C111	PSO1	PSO2
C112	PSO1	PSO2
C113	2.36	PSO2
C114	PSO1	PSO2
C115	PSO1	PSO2
C116	PSO1	PSO2
C117	2.30	2.30
C118	PSO1	PSO2
C119	PSO1	PSO2
C121	PSO1	PSO2
C122	PSO1	PSO2
C123	2.90	PSO2
C124	2.35	PSO2
C125	PSO1	2.66
C126	PSO1	2.55
C127	PSO1	PSO2
C128	3	2.56
C129	PSO1	PSO2
C211	PSO1	PSO2
C212	2.34	1.56
C213	2.48	0.83

C214	2.36	1.58
C215	2.18	1.46
C216	2.74	1.82
C217	2.87	1.91
C218	2.34	1.54
C219	2.40	1.60
C221	1.64	2.46
C222	PSO1	PSO2
C223	2.35	1.68
C224	0.94	2.85
C225	2.16	1.44
C226	1.51	1.80
C227	1.80	1.51
C228	PSO1	1.42
C229	3	1.70
C311	2.58	1.72
C3110	PSO1	2.88
C312	2.35	1.57
C313	2.58	1.72
C314	1.62	2.44
C315	1.93	PSO2
C316	PSO1	2.51
C317	1.99	1.99
C318	2.46	PSO2
C319	PSO1	PSO2
C321	1.57	2.35
C3210	PSO1	PSO2
C322	2.34	1.54
C323	1.65	2.47
C324	2.82	0.94
C325	2.26	1.73
C326	3	2.12

C327	3	2.32
C328	2.12	3
C329	PSO1	2.46
C411	3	2.64
C412	3	2.80
C413	2.85	0.94
C414	PSO1	2.36
C415	2.86	PSO2
C416	PSO1	PSO2
C417	PSO1	1.72
C418	PSO1	3
C421	0.72	2.17
PSO Attainment	2.36	2.07

PSO Attainment Level

Course	PSO1	PSO2
Direct Attainment	2.32	2.01
InDirect Attainment	2.52	2.32

4 STUDENTS' PERFORMANCE (150)

Total Marks 83.65

:

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)	60	60	60	60	60	60	60
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)	1	57	6	29	51	33	48
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	3	3	3	6	6	6
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	1	60	9	32	57	39	54

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)	1	0	0	0	0
2023-24 (CAYm1)	60	0	0	0	0
2022-23 (CAYm2)	9	0	2	0	0
2021-22 (CAYm3)	32	6	9	7	0
2020-21 (LYG)	57	40	46	40	19
2019-20 (LYGm1)	39	33	37	30	17
2018-19 (LYGm2)	54	40	45	45	20

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)	1	0	0	0	0
2023-24 (CAYm1)	60	3	0	0	0
2022-23 (CAYm2)	9	6	8	0	0
2021-22 (CAYm3)	32	22	25	25	0
2020-21 (LYG)	57	40	46	44	22
2019-20 (LYGm1)	39	32	37	36	27
2018-19 (LYGm2)	54	47	45	45	38

4.1 Enrolment Ratio (20)

Total Marks 0.00

Institute Marks : 0.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)	60	1	1.67
2023-24 (CAYm1)	60	57	95.00
2022-23 (CAYm2)	60	6	10.00

Average [(ER1 + ER2 + ER3) / 3] : 35.56

Assessment : 0.00

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

Total Marks 18.40

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

Institute Marks : 9.50

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	57.00	39.00	54.00
Y Number of students who have graduated without backlogs in the stipulated period	19.00	17.00	20.00
Success Index [SI = Y / X]	0.33	0.44	0.37

Average SI [(SI1 + SI2 + SI3) / 3] : 0.38

Assessment [25 * Average SI] : 9.50

4.2.2 Success rate in stipulated period (15)

Institute Marks : 8.90

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	57.00	39.00	54.00
Y Number of students who have graduated in the stipulated period	22.00	27.00	38.00
Success Index [$SI = Y / X$]	0.39	0.69	0.70

Average SI[(SI1 + SI2 + SI3) / 3]: 0.59

Assessment [15 * Average SI] : 8.90

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 9.87

Institute Marks : 9.87

Academic Performance	CAYm3 (2021-22)	LYG (2020-21)	LYGm1 (2019-20)
Mean of CGPA or mean percentage of all successful students(X)	6.56	6.53	7.12
Total number of successful students(Y)	25.00	44.00	36.00
Totalnumber of students appeared in the examination(Z)	25.00	46.00	37.00
API [$X*(Y/Z)$]:	6.56	6.25	6.93

Average API [(AP1 + AP2 + AP3)/3] : 6.58

Assessment [1.5 * AverageAPI] : 9.87

4.4 Academic Performance in Second Year (15)

Total Marks 8.58

Institute Marks : 8.58

Academic Performance	CAYm2 (2022-23)	CAYm3 (2021-22)	LYG (2020-21)
Mean of CGPA or mean percentage of all successful students(X)	7.13	6.25	4.57
Total number of successful students (Y)	8.00	25.00	46.00
Total number of students appeared in the examination (Z)	9.00	25.00	46.00
API [$X * (Y/Z)$]	6.34	6.25	4.57

Average API [(AP1 + AP2 + AP3)/3] : 5.72

Assessment [1.5 * AverageAPI] : 8.58

4.5 Placement, Higher Studies and Entrepreneurship (40)

Total Marks 26.80

Institute Marks : 26.80

Item	LYG (2020-21)	LYGm1 (2019-20)	LYGm2 (2018-19)
Total No of Final Year Students(N)	44.00	36.00	45.00
No of students placed in the companies or government sector(X)	26.00	28.00	28.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	0.00	0.00	1.00
No of students turned entrepreneur in engineering/technology (Z)	0.00	0.00	0.00
$x + y + z =$	26.00	28.00	29.00
Placement Index [$(X+Y+Z)/N$] :	0.59	0.78	0.64

Average Placement [$(P1 + P2 + P3)/3$] : 0.67

Assessment [$40 * \text{Average Placement}$] : 26.80

Program Name : Mechanical Engineering**Assessment Year Name : CAYm1**

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	VANNEMREDDY GANESH KUMAR	20MQ1A0325	SURYATECH SOLUTIONS	1
2	UMMIDISEETI SAI PHANINDRA	21MQ5A0318	SURYATECH SOLUTIONS	2
3	NARAGANI VASU	20MQ1A0322	SURYATECH SOLUTIONS	3
4	NAMU KRANTHI KUMAR	21MQ5A0330	SURYATECH SOLUTIONS	4
5	Kollipara Likhith Sai Naga Venkata Narayan	21MQ5A0308	Global Logic	5
6	JANGAM VIJAY KUMAR	21MQ5A0306	Bharat electronics limited	6
7	MOHAMMAD NASEER	21MQ5A0327	Bharat electronics limited	7
8	VANNEMREDDY JANAKI RAM VENKATESH	21MQ5A0329	Bharat electronics limited	8
9	ABDUL HAFEEZUR RAHMAN	20MQ1A0302	Indro solutions	9
10	JOGI SOMA SEKHARA SRI RAM	20MQ1A0310	Sri ragavendra technologies	10
11	SANKA VAMSI KRISHNA	21MQ5A0315	ccl food on bevarages limited	11
12	BOPPE GANESH	21MQ5A0301	Aadhyanth textiles india Private Limited	12
13	INTETI VAMSI	21MQ5A0305	criztone technology private limited	13
14	KAGITHA NAGA SAI PRASAD	21MQ5A0307	Upstartix innovations Private limited	14
15	K.S.K.N.MALLESWARAO	21MQ5A0309	Upstartix innovations Private limited	15
16	MADDIRALA SANTHOSH	21MQ5A0310	Upstartix innovations Private limited	16
17	MOTEPALLI BHARGAVA	21MQ5A0311	Upstartix innovations Private limited	17
18	SAYYAD BASHEER AHAMAD	21MQ5A0316	sayyadbashsheerahamad254@gm ail.com	18
19	SEELAM MOHAN SAI	21MQ5A0317	Upstartix innovations Private limited	19
20	PANDI MANIKYA RAO	21MQ5A0321	Upstartix innovations Private limited	20
21	POSIMSETTI VENKATA RAMU	21MQ5A0322	Upstartix innovations Private limited	21
22	GUDAVALLI NAVEEN	21MQ5A0323	Upstartix innovations Private limited	22
23	BONU. YUGANDHAR SAI	21MQ5A0324	NIYO FARM TECH PRIVATE LIMITED	23
24	PALLIKONDA DILEEP	21MQ5A0325	NIYO FARM TECH PRIVATE LIMITED	24
25	MALLELA SIVA TEJA	21MQ5A0326	ALIEN INNOVATIONS Private limited	25
26	KOKKERA SRI NAGA VENKATA SURYA	21MQ5A0328	Manjha Technologies pvt ltd	26

Assessment Year Name : CAYm2

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ARAJA VIVEK SAI	18MQ1A0301	Vidal international	1
2	BEERAM MANIKANTA	19MQ1A0301	Vidal international	2
3	HARISH KUMAR KOLAPALLI	19MQ1A0302	Vidal international	3
4	MOHAMMAD ABDULLA BASHA	19MQ1A0303	Vidal international	4
5	ABDUL HAKEEM	20MQ5A0301	Vidal international	5
6	ALLAM LAKSHMI NARAYANA	20MQ5A0302	Vidal international	6
7	APPIKATLA RAJU	20MQ5A0303	Vidal international	7
8	BATTA SIVA MANOJ	20MQ5A0304	Vidal international	8
9	BHATTA KIRAN NAGA SAI	20MQ5A0305	Vidal international	9
10	BHATTA YUGANDHAR	20MQ5A0306	Vidal international	10
11	CHALLA CHANDRA SEKHARA SRINIVAS	20MQ5A0307	Vidal international	11
12	CHEBOYINA NAGA SAI	20MQ5A0308	Vidal international	12
13	JINKA SRI RAM	20MQ5A0310	Vidal international	13
14	JOGI VINAY KUMAR	20MQ5A0311	Vidal international	14
15	JONNALA JASWANTH	20MQ5A0312	Vidal international	15
16	KOMATI SUBRAHMANYAM	20MQ5A0313	Vidal international	16
17	MADEM NAGARJUNA	20MQ5A0315	Vidal international	17
18	MOGILI VEERA VENKATA SATISH	20MQ5A0316	Vidal international	18
19	MOHAMMAD ZUBER	20MQ5A0317	Vidal international	19
20	PAMARTI MAHESH	20MQ5A0319	Vidal international	20
21	PITTU RAVINDRANADH REDDY	20MQ5A0321	Vidal international	21
22	PULI MANIKANTA	20MQ5A0324	Vidal international	22
23	SINGAMSETTI NARENDRA BABU	20MQ5A0326	Vidal international	23
24	VEMULA BALA MANIKANTA SWAMY	20MQ5A0330	Vidal international	24
25	VUJJI SARATH KUMAR	20MQ5A0331	Vidal international	25
26	YARLAGADDA PAVAN KUMAR	20MQ5A0332	Vidal international	26
27	KATAKAM BHANU PRASAD	20MQ5A0334	Vidal international	27
28	VASANA UDAY BHASKAR	20MQ5A0329	Vidal international	28

Assessment Year Name : CAYm3

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	YENDURI JYOTHIK	18MQ1A0316	MEIL	1
2	K Rajesh	18MQ5A0316	Satven	2
3	GOPISETTY VENKATA RAJESH	19MQ5A0309	Wipro	3
4	MD MOMMIN	19MQ5A0322	Wipro	4
5	PARISE RAKESH	18MQ1A0311	CADMAXX	5
6	A.VEDA NAVADHEER	19MQ5A0304	CADMAXX	6
7	BANDI NAGA SAI PRATAP	19MQ5A0305	BHEEL	7
8	CHILLIMUNTHA MANIKANTA BALAJI	19MQ5A0307	Valeth hightech composites	8
9	GORLA KOND RAJU	19MQ5A0311	CADMAXX	9
10	GURUVINDA PALLI SUDHEER	19MQ5A0312	HYUNDAI MOTORS	10
11	M.ROHITH KUMAR	19MQ5A0323	DIVIS LABORATORY	11
12	PERISETTI MOHAN NAGA VENKATA KUMAR	19MQ5A0327	CADMAXX	12
13	SANKULA SATISH KUMAR	19MQ5A0329	KIRBY BUILDING	13
14	V.PAVAN KUMAR	19MQ5A0336	MATERNA IPS INDIA PRIVATE LIMITED	14
15	CHEELI VENKATA NARESH CHANDU	19MQ5A0306	CADMAXX	15
16	CHALLAGOLLA SAI KARTHIK	18MQ1A0303	Aadhyanth textiles india Private limited	16
17	KAGITHA LAKSHMI PATHI	18MQ1A0305	Aadhyanth textiles india Private limited	17
18	KATAKAM PAVAN KUMAR	18MQ1A0307	Aadhyanth textiles india Private limited	18
19	KATREDDI VENKATA SAI RAM	18MQ1A0308	criztone technology private limited	19
20	ORUGANTI VENKATA RAM PRASAD	18MQ1A0310	criztone technology private limited	20
21	PUPPALA HEMA NAGA SATYA SAI	18MQ1A0313	criztone technology private limited	21
22	YARLAGADDA SAI KIRAN	18MQ1A0315	NIYO FARM TECH PRIVATE LIMITED	22
23	JUJJUVARAPU VENKATA SAI	19MQ5A0314	NIYO FARM TECH PRIVATE LIMITED	23
24	KATURI LAKSHMI PRANAY	19MQ5A0315	ALIEN INNOVATIONS Private limited	24
25	KATURI RAJESH	19MQ5A0316	ALIEN INNOVATIONS Private limited	25
26	K.SAIRAM	19MQ5A0317	Manjha Technologies pvt ltd	26
27	PETLA TARUN TEJA	19MQ5A0328	Manjha Technologies pvt ltd	27
28	PEDDI NAGA BALAJI	20MQ5A0320	Manjha Technologies pvt ltd	28

4.6 Professional Activities (20)

Total Marks 20.00

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

Institute Marks : 5.00

4.6.1 Professional Activities

Professional societies/ chapters and organizing engineering events

Professional Society Membership details:

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

Table 4.6.1.1: Summary of faculty & student memberships in professional societies in assessment period

S.No	Name of the Professional Society	No. of Faculty Membership	No of Student Memberships
1	ISTE	2	55
2	IE	2	-
3	IAENG	6	-

List of Faculty as Professional body members

Table 4.6.1.2: List of Faculty as Professional body members

S.NO	Name of the Faculty	Designation	Membership
1	Dr. D. Raja Ramesh	Professor	ISTE, IE
2	Dr. Md. Abid Ali	Associate Professor	ISTE, IE
3	K. Sukumar	Assistant Professor	IAENG
4	Ch. Anusha	Assistant Professor	IAENG
5	D. Khyathimai	Assistant Professor	IAENG
6	D. Kiran Babu	Assistant Professor	IAENG
7	K. Ravi	Assistant Professor	IAENG
8	P.VijayaKanth	Assistant Professor	IAENG

Table 4.6.1.3: List of Students as Professional body members

S.NO	REG.NO	NAME OF THE STUDENT	NAME OF PROFESSIONAL SOCIETY AS MEMBER	MEMBERSHIP NO
1	23MQ1A0301	DASARI JASWANTH	ISTE	AP249-000192
2	23MQ1A0302	KOTA SUMANTH	ISTE	AP249-000193
3	23MQ1A0303	UMESH AMBATI	ISTE	AP249-000194
4	24MQ5A0301	A ANJANADH	ISTE	AP249-000195
5	24MQ5A0302	A VIJAY SRI KRISHNA	ISTE	AP249-000196
6	24MQ5A0303	ASIF BAIG	ISTE	AP249-000197

7	24MQ5A0304	BOBBILI DURGA PRASAD	ISTE	AP249-000198
8	24MQ5A0305	BODDU SANDEEP	ISTE	AP249-000199
9	24MQ5A0306	BOLAPATI RAVI TEJA	ISTE	AP249-000200
10	24MQ5A0307	BONU YOGINAIDU	ISTE	AP249-000201
11	24MQ5A0308	B C LALITESH	ISTE	AP249-000202
12	24MQ5A0309	CHANDIKA SRINIVAS	ISTE	AP249-000203
13	24MQ5A0310	CHILLA NAGA PAVAN	ISTE	AP249-000204
14	24MQ5A0311	CH N V UMA MAHESH	ISTE	AP249-000205
15	24MQ5A0312	DASARI RAKSHITH	ISTE	AP249-000206
16	24MQ5A0313	DODDA HARI PAVAN	ISTE	AP249-000207
17	24MQ5A0314	DOKKU MOHAN	ISTE	AP249-000208
18	24MQ5A0315	E S MANIKANTA	ISTE	AP249-000209
19	24MQ5A0316	GADE SATYA SAI	ISTE	AP249-000210
20	24MQ5A0317	GAMINI ANIL KUMAR	ISTE	AP249-000211
21	24MQ5A0318	GARIKUMUKKU LOKESH	ISTE	AP249-000212
22	24MQ5A0319	G V SIVA MANI KUMAR	ISTE	AP249-000213
23	24MQ5A0320	G T VENKATA RAVI TEJA	ISTE	AP249-000214
24	24MQ5A0321	GUNNAM RAMBABU	ISTE	AP249-000215
25	24MQ5A0322	J S MANIKANTA	ISTE	AP249-000216
26	24MQ5A0323	K N ESWAR BALAJI	ISTE	AP249-000217
27	24MQ5A0324	KAMMELA VASUDEVARAO	ISTE	AP249-000218
28	24MQ5A0325	K HARSHA VARDHAN	ISTE	AP249-000219
29	24MQ5A0326	K S N VENKATA SASANK	ISTE	AP249-000220
30	24MQ5A0327	M D NAGA SAI TEJA	ISTE	AP249-000221
31	24MQ5A0328	MALISSETTY SAGAR	ISTE	AP249-000222
32	24MQ5A0329	M MADHUSUDHANA RAO	ISTE	AP249-000223
33	24MQ5A0330	MIDDE DHANA VENKATESH	ISTE	AP249-000224

34	24MQ5A0331	M RIYAZ HUSSAIN	ISTE	AP249-000225
35	24MQ5A0332	M H SANTHOSH KUMAR	ISTE	AP249-000226
36	24MQ5A0333	M NAGA CHIRANJEEVI	ISTE	AP249-000227
37	24MQ5A0334	MURALA SAI VARDHAN	ISTE	AP249-000228
38	24MQ5A0335	MURARI SAI KIRAN	ISTE	AP249-000229
39	24MQ5A0336	NAGADESI MANOJ KUMAR	ISTE	AP249-000230
40	24MQ5A0337	NAREPALEM RAMESH BABU	ISTE	AP249-000231
41	24MQ5A0338	PARASA BHARATH KUMAR	ISTE	AP249-000232
42	24MQ5A0339	P KRISHNA PRASAD	ISTE	AP249-000233
43	24MQ5A0340	R DILEEP KUMAR	ISTE	AP249-000234
44	24MQ5A0341	RAJANA RAHUL	ISTE	AP249-000235
45	24MQ5A0342	RAJULAPATI CHANDU	ISTE	AP249-000236
46	24MQ5A0343	SHAIK KHAYUM	ISTE	AP249-000237
47	24MQ5A0344	THADISETTI NAGA TEJA	ISTE	AP249-000238
48	24MQ5A0345	THENNETI KARTHIK	ISTE	AP249-000239
49	24MQ5A0346	UPPALAPU ANKA DINESH	ISTE	AP249-000240
50	24MQ5A0347	URRAKULA SAI KUMAR	ISTE	AP249-000241
51	24MQ5A0348	VANNEMREDDY HEMANTH	ISTE	AP249-000242
52	24MQ5A0349	VEENAM PAVAN KUMAR	ISTE	AP249-000243
53	24MQ5A0350	V MANI RATHNAM	ISTE	AP249-000244
54	24MQ5A0351	V RAVI PRAKASH	ISTE	AP249-000245
55	24MQ5A0352	Y N G SANKAR KUMAR	ISTE	AP249-000246

B. Number, quality of engineering events (organized at institute) (2)

Technical/Engineering events

Table 4.6.1.4: Summary of Technical/Engineering Events/Activities for 3 Years

S.NO	ACADEMIC YEAR	No. of events	No. of Participants	Remarks
1	2023-24	10	262	Department Level
2	2022-23	8	281	Department Level
3	2021-22	11	445	Department Level

List of Events:**Table 4.6.1.5: List of Events for Academic Year 2023-24**

S. No	Date	Title	Cordinator	Resource person	No. of students
1	09-04-2024	Guest Lecture on BOD & COD and coliform tests	Reshma Sulthana	V.Surya Teja Assistant Professor Andhra Loyala	20
2	16-03-2024	Guest Lecture on Exhaust emission analysers	T.Durga Prasad	V.Nani Assistant Professor Usha Rama College of Engineering	7
3	13-03-2024	Guest lecture on Advanced joining technologies	K Sukumar	Dr. Santosh Kumar Assistant Professor, NIT SILICHAIR	35
4	22-02-2024	Guest Lecture on Transformation in the Solid State	D.Kiran Babu	G.Leela Siva Rama Prasad Asst.Professor, DJR Engineering College	7
5	16-02-2024	Guest Lecture on Mico-machining process.	K.Lakshmi Priya	Dr Kalluri Vinayak Professor S.R.M University	75
6	02-11-2023	Guest Lecture on Tools Design in EDM	V.Ravi	P.S.R.K.Nageswara Rao, Associate Professsor, V.I.T.S	7
7	27-10-2023	Guest Lecture on Variation of velocity and acceleration of piston on velocity,acceleration of water in pipes	K.Lakshmi Priya	Dr.M.Srinivas Prof ,Helapuri Engineering college, West Godavari	7

8	25-09-2023	Guest Lecture on failure modes of sandwich panels	D.Kiran Babu	D.Srinivas Rao Assistant Professor, D.M.S.S.V.H	21
9	22-09-2023	Guest Lecture on Disaster risk reduction measures	M.Sruthi Madhuri	K.L.A.V Haranadh Assistant Professor D.N.R College	43
10	16-08-2023 to 17-08-2023	Workshop on non-destructive testing by Vidal international	D Kyathimai	A.Sandhya Managing Director,Hyderabad	40

Table 4.6.1.6: List of Events for Academic Year 2022-23

S. No	Date	Title	Cordinator	Resource person	No. of students
1	16-03-2023 to 17-03-2023	Workshop on non-destructive testing by Vidal international	D Kyathimai	J.Sai Sandeep Senior Manager Hyderabad	28
2	16-02-2023	Guest lecture on "Motion Analysis of Robots "	CH.Anusha	Mr. K kalyan kumar, Lead Engineer Axicades technologies.	43
3	16-02-2023	Guest Lecture on "Improvements in casting methods"	D Kiran Babu	Mr. K kalyan kumar, Lead Engineer, Axicades technologies.	38
4	22-12-2022	Guest Lecture on Variation of velocity and acceleration of piston on velocity,acceleration of water in pipes	K.Sukumar	Dr.M.Srinivas, Professor, Helapuri	20
5	12-02-2023	Guest Lecture on Transformation in the Solid State	D.Kiran Babu	G.Leela Siva Rama Prasad Asst.Professor, DJR Engineering College	20
6	11-11-2022	Guest Lecture on Advances in manufacturing	D Kiran Babu	Dr.B. Amar Nagendram Professor, D.M.S.S.V.H.	70

7	9-11-2022	Guest Lecture on failure modes of sandwich panels	T.Durga Prasad	P.Siva Naga Sree, Assistant Professor, D.M.S.S.V.H.	32
8	22-10-2022	Guest Lecture on Quality Control Techniques	K.Lakshmi Priya	P.Satyanarayana Asst.Professor, GEC	30

Table 4.6.1.7: List of Events for Academic Year 2021-22

S. No	Date	Title	Cordinator	Resource person	No. of Students
1	20-05-2022 to 21-05-2022	Two day workshop on designing solar pv systems	P. Bhargava Kumar	B. Purushotham manager, Greenvion Energy technologies, Hyderabad,	63
2	10-5-2022	Guest Lecture on Electrical systems in Automobiles	S Venkata Reddy	Dr.A.Rangababu Professor GEC	28
3	22-3-2022	Guest Lecture on Penetration removal Techniques	N Jahnavi Chandrika	T.Deepak, Assistant Professor, D.M.S.S.V.H.C.E	37
4	9-3-2022	Guest Lecture on cooling curves	CH.Anusha	G.Karun Kumar Asst.Professor,GEC	45
5	7-3-2022	Guest Lecture on Quality control techniques	V Satish Kumar	Dr. A.Kiran Kumar Professor DIET	41
6	04-1-2022	Guest Lecture on Need of worm and worm gears	P. Bhargava Kumar	D.Kiran Prasad, Associate Professor, GEC	28
7	25-12-2021	Guest Lecture on strip layout design	CH. Anusha	A.Rajesh Assistant Professor GEC	40
8	21-12-2021	Guest Lecture on Drawbacks of Mechanical Vibrations	P. Bhargava Kumar	L.Ramesh Assistant Professor GEC	29
9	29-10-2021- 30-10-2021	Two day workshop on CATIA	K Sukumar	M.Bhujanga Rao ECTC, vijayawada	42

10	30-09-2021	Guest Lecture on Present scenario of opportunities in industries, employability skills for budding engineers	V Satish Kumar	P.V.Sai Dhatt General manager SSD polymers	45
11	24-11-2021	Guest Lecture on Variation of velocity and acceleration of piston on velocity, acceleration of water in pipes	P.Vijaya Kanth	Dr.M.Srinivas Prof ,Helapuri Engineering college, West Godavari	47

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

Institute Marks : 5.00

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

Mana ARMS Magazine: The Department of Mechanical Engineering has a Quarterly magazine with the name “MANA ARMS”. This magazine is initiated in 2015 and is continuously emerging as a platform to represent departmental yearly contribution from students and faculty. The department follows well-defined guidelines for the Half yearly magazine “MANA ARMS”. The magazine consists of original technical articles, poetry, stories, literary articles, and trending information, new technologies, quizzes, and buzz words, interactive stories from the students and faculty. The magazine is published twice in an academic year. The magazine committee consist of a chief editor, an editor, two faculty advisors and a student editorial board out of which chief editor, editor and the advisors are from the faculty and student editorial board consists of 3rd and 4th year students of the department.

Table 4.6.2.1: Magazines Published in the year 2023-2024


S.NO	Name of the Magazine	Volume No., Month and Year	Frequency	Name of the Chief Editor	Name of the Faculty Editor	Name of the Student Editors
1	MANA ARMS	Vol28, Jan-2023	Half Yearly	Dr.Md.Abid Ali	Ch.Anusha	1.P.V.Ramu 2.I.Vamsi 3.K.B.L.Phani Kumar 4.B.Sai Chandra
2	MANA ARMS	Vol29, July-2023	Half Yearly	Dr.Md.Abid Ali	Ch.Anusha	1.P.V.Ramu 2.I.Vamsi 3.K.B.L.Phani Kumar 4.B.Sai Chandra

Sample Magazine:

2. MECH VIBES Newsletter: The department newsletter “MECH VIBES” volume-I was launched in Jan 2021. It is published Quarterly in an academic year. It focuses mainly on the major events organized, student and faculty publications, achievements, campus placement, industrial interactions, visits, higher studies details and many more in the department semester wise.

Table 4.6.2.2: News letters published in the year 2023-24

S.NO	Name of the Newsletter	Volume No., Month and Year	Frequency	Name of the Chief Editor	Name of the Faculty Editor	Name of the Student Editors
1	MECH VIBES	Vol9,Jan-2023	Quarterly	Dr.Md.Abid Ali	D.Khyathimai	1. V.Ganesh Kumar 2. A.Chandhini 3. P.Ratna Sai 4. B.Gopal
2	MECH VIBES	Vol10,April-2023	Quarterly	Dr.Md.Abid Ali	D.Khyathimai	1. V.Ganesh Kumar 2. A.Chandhini 3. P.Ratna Sai 4. B.Gopal
3	MECH VIBES	Vol11,July-2023	Quarterly	Dr.Md.Abid Ali	D.Khyathimai	1. V.Ganesh Kumar 2. A.Chandhini 3. P.Ratna Sai 4. B.Gopal
4	MECH VIBES	Vol12,October-2023	Quarterly	Dr.Md.Abid Ali	D.Khyathimai	1. V.Ganesh Kumar 2. A.Chandhini 3. P.Ratna Sai 4. B.Gopal



MECHANICAL ENGINEERING DEPARTMENT
 <<<< MECH VIBES NEWS LETTER >>>>

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Contents:

- Workshops
- Guest Lectures
- FDP
- Publications
- Alumni meet
- Association Day Celebrations
- Seminar

MOTIVATIONAL QUOTE: - Every human is in the process of becoming divine.... Collaborating with nature's plan is all you need to do.

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MECH VIBES

Workshop Organized By Department

A Workshop is organized on NDT methods for final year students from 16-03-2023 to 17-03-2023 by J. Sandeep, Senior Manager, Hyderabad

GUEST LECTURES Organized By Department

S.no	Date	Title	Coordinator	Resource person
1	16-02-2023	Guest lecture on "Motion Analysis of robot's"	Ch. Anusha	Mr. K. Kalyan Kumar Axiacade technologies.
2	16-02-2023	Guest Lecture on "Improvements in casting methods"	D. Khyathimai	Mr. K. Kalyan Kumar Axiacade technologies.
3	12-02-2023	Guest Lecture on "Transformations in solid state"	D. Kiran Babu	G. Leela Siva Ram Prasad, Assistant Professor, DJR College

FDP'S ATTENDED BY FACULTY

S.No	Name of the Faculty	Institution/Organization	Name of the Topic	Date
1	K. Sukumar	AICTE	Inculcating Universal Human Values In Technical Education	02/1/2023 To 6/1/2023
2	Ch. Anusha	G. Pulla Reddy Engineering College	Recent Advancements In Sustainable Energy Storage & Conversion	23/1/2023 To 27/1/2023
3	Ch. Anusha	NPTEL-AICTE	Principles Of Casting Technology	Jan-mar 2023
4	Ch. Anusha	S R Gudlavallu Engineering College	Applications Of Ai/ml Mechanical Engineering	6/3/2023 To 10/3/2023
5	B. K. Pavan Kumar	S R Gudlavallu Engineering College	Applications Of Ai/ml Mechanical Engineering	6/3/2023 To 10/3/2023
6	D. Khyathimai	S R Gudlavallu Engineering College	Applications Of Ai/ml Mechanical Engineering	6/3/2023 To 10/3/2023
7	D. Kiran Babu	S R Gudlavallu Engineering College	Applications Of Ai/ml Mechanical Engineering	6/3/2023 To 10/3/2023

Institute News Letter - VIBES

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

Institute Marks : 10.00

Participation in inter-institute events by students of the program of study (10)**A. Events within the state (2)****B. Events outside the state (3)****Paper Presentation & Poster Presentation: Summary–Activities Attended for 3 Years****Table 4.6.3.1: 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	14	11	103	71	42	3	7	4	3
2023-24	12	11	116	76	40	1	2	2	1
2024-25	15	12	186	151	41	3	6	2	4

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	3	7	4	3
2023-24	1	2	2	1
2024-25	3	6	2	4

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	103	71	42
2023-24	11	116	76	40
2024-25	12	186	151	41

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

Assessment Year	No. of Events	No. of Students Attended	No. of Participations	No. of Awards
2022-23	1	1	0	1
2023-24	-	-	-	-
2024-25	-	-	-	-

C. Prizes/awards received in such events (5)**Academic Year: 2022-23(CAYm1) 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.	G. Sudheer	SMART INDIA HACKTON	PHOENIX	AICTE,NEW DELHI pondicherry	25/08/2022 to 26/08/2022	First
2.	m.vamsi	State level inter engineering collegiate sports fest	sports fest	TRINITY COLLEGE OF ENGINEERINGAND TECHNOLOGY	14/03/2022 to 21/03/2022	second
3.	Y.Udaya mani kanta	State level inter engineering collegiate sports fest	sports fest	TRINITY COLLEGE OF ENGINEERINGAND TECHNOLOGY	14/03/2022 to 21/03/2022	second
4.	A.MADHAV	KHELOTSAV	Poster presentation	GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING	26/04/2023 to 27/04/2023	-
5.	P.RATNASAI	KHELOTSAV	Poster presentation	GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING	26/04/2023 to 27/04/2023	-
6	G.RAVI CHANDU	KHELOTSAV	Technical Quiz	GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING	26/04/2023 to 27/04/2023	-
7	P. VENKATA RAMU	KHELOTSAV	Technical Quiz	GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING	26/04/2023 to 27/04/2023	-

Academic Year: 2022-23(CAYm1) Participation**Table 4.6.3.5: 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	Award/ Reward
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1.	A.MADHAV	NATIONAL LEVEL TECHNO CULTURAL FESTIVAL	Poster presentation	NRI INSTITUTE OF TECHNOLOGY	27-02-2023 TO 28-02-2023	-
2.	P.RATNASAI	NATIONAL LEVEL TECHNO CULTURAL FESTIVAL	Poster presentation	NRI INSTITUTE OF TECHNOLOGY	27-02-2023 TO 28-02-2023	-
3	A.MADHAV	VKR-FEST	TECHNICAL QUIZ	V.K.R,V.N.B., &A.G.K. College of Engineering	03-03-2023	-
4.	P.RATNASAI	VKR-FEST	TECHNICAL QUIZ	V.K.R,V.N.B., &A.G.K. College of Engineering	03-03-2023	-
5	CH.NAGA SAI	ARMS	TECHNICAL JAM	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
6	M.BHARGAVA KUMAR	ARMS	TECHNICAL JAM	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
7	U.SAI PHANINDRA	ARMS	TECHNICAL JAM	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
8	A.MADHAV BHUVANESWAR KUMAR	ARMS	ENGINE ASSEMBLY	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
9	P.RATNA SAI	ARMS	ENGINE ASSEMBLY	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
10	B.GANESH	ARMS	ENGINE ASSEMBLY	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
11	P.RAMU	ARMS	ENGINE ASSEMBLY	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
12	B.MANIKANTA	ARMS	ENGINE ASSEMBLY	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE

13	K.BHANU PRASAD	ARMS	ENGINE ASSEMBLY	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
14	U.SAI PHANINDRA	ARMS	ENGINE ASSEMBLY	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
15	K.MAHESH	ARMS	ENGINE ASSEMBLY	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
16	B.SIVA MANOJ	ARMS	CATIA 3D DRAWING	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
17	V.UDAY BHASKAR	ARMS	CATIA 3D DRAWING	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
18	A.L.NARAYANA	ARMS	CATIA 3D DRAWING	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
19	M.BHARGAVA KUMAR	ARMS	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
20	MALLESWARA RAO	ARMS	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
21	V.PRAKASH	ARMS	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
22	CHANDU	ARMS	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
23	U.SAI PHANINDRA	ARMS	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
24	K.MAHESH	ARMS	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
25	J.NAGA SAI	ARMS	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
26	S.VIJAY KUMAR	ARMS	TECHNICAL QUIZ	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE

27	A.MADHAV	ARMS	PPT	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
28	M.H.K KIRAN	ARMS	PPT	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
29	U.SAI PHANINDRA	ARMS	PPT	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
30	K.MAHESH	ARMS	PPT	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
31	P.KISHORE KUMAR	ARMS	PPT	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
32	K.HARISH	ARMS	PPT	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
33	K.B.L PHANIKUMAR	ARMS	APTITUDE & REASONING	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
34	A.MADHAV	ARMS	APTITUDE & REASONING	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
35	M.BABI	ARMS	APTITUDE & REASONING	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
36	B.KIRAN	ARMS	APTITUDE & REASONING	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
37	A.CHANDINI	ARMS	TECHNICAL GATE	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE
38	P.VENKATA RAMU	ARMS	TECHNICAL GATE	Sri Vasavi Institute of Engineering And Technology	2022-23	II PRIZE
39	K.B.L PHANIKUMAR	ARMS	TECHNICAL GATE	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE

40	B.KIRAN	ARMS	TECHNICAL GATE	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
41	V.BALA MANIKANTA SWAMY	ARMS	TECHNICAL GATE	Sri Vasavi Institute of Engineering And Technology	2022-23	III PRIZE
42	ABDUL HAFEEZ	ARMS	CAD MANIA	Sri Vasavi Institute of Engineering And Technology	2022-23	I PRIZE

Academic Year: 2023-24(CAYm1) Prize Winner

S.No	Name of the Students	Name of the Event	Topic	Venue	Date	Award/ Reward
1.	G.RAVI CHANDU	DIET-fest	CAD Design	Dimensions Institute Of Engineering Technologies,hyd	7-9-2023	First
2	P. VENKATA RAMU	DIET-fest	CAD Design	Dimensions Institute Of Engineering Technologies,hyd	7-9-2023	First

Academic Year: 2023-24(CAYm2) Participation

Table 4.6.3.6: 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	Award/ Reward
1.	MALLELA SIVA TEJA	DHANUSK – 2K24	Technical Quiz	Dhanekula institute of engineering and technology	1-1-2024 to 2-1-2024	second
2.	MOTEPALLI BHARGAVA	DHANUSK – 2K24	Technical Quiz	Dhanekula institute of engineering and technology	1-1-2024 to 2-1-2024	second
3	JANGAM VIJAY KUMAR	SRK-fest	Poster presentation	SRK institute of engineering	4-10-2023 to 5-10-2023	-
4	K.S.K.N.MALLESWARAO	SRK-fest	Poster presentation	SRK institute of engineering	4-10-2023 to 5-10-2023	-

5	A.MADHAV	arms Association	Technical JAM	Sri Vasari Institute of Engineering And Technology	2023-24	I
6	MD.NAZEER	arms Association	Technical JAM	Sri Vasari Institute of Engineering And Technology	2023-24	II
7	U.SAI PHANINDRA	arms Association	Technical JAM	Sri Vasari Institute of Engineering And Technology	2023-24	III
8	P.V.RAMU-	arms Association	PPT	Sri Vasari Institute of Engineering And Technology	2023-24	I
9	MD.NAZEER	arms Association	PPT	Sri Vasari Institute of Engineering And Technology	2023-24	II
10	V.GUNADEEP	arms Association	PPT	Sri Vasari Institute of Engineering And Technology	2023-24	III
11	K.MAHESH	arms Association	Catia 3D	Sri Vasari Institute of Engineering And Technology	2023-24	I
12	A.MADHAV	arms Association	Catia 3D	Sri Vasari Institute of Engineering And Technology	2023-24	II
13	V.GANESH KUMAR	arms Association	Catia 3D	Sri Vasari Institute of Engineering And Technology	2023-24	III
14	P.VENKATA RAMU	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	I
15	M.SIVA TEJA	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	I
16	K.S.K.N MALLESWARA RAO	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	I
17	V PRAKASH	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	I
18	MD.NAZEER	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	II

19	SK.BASHEER	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	II
20	S.MOHAN SAI	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	II
21	G.NAVEEN	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	II
22	A.MURALI KRISHNA	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	III
23	E.GOPI VENKATACHAND	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	III
24	V.S.N.V GUNADEEP	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2023-24	III
25	A.CHANDHINI	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2023-24	I
26	P.VENKATA RAMU	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2023-24	II
27	A.DHANUSH	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2023-24	III
28	M.H.V KIRAN	arms Association	Aptitude & Reasoning	Sri Vasari Institute of Engineering And Technology	2023-24	I
29	A.MADHAV	arms Association	Aptitude & Reasoning	Sri Vasari Institute of Engineering And Technology	2023-24	II
30	P.V.RAMU	arms Association	Aptitude & Reasoning	Sri Vasari Institute of Engineering And Technology	2023-24	III
31	A.MADHAV	arms Association	Poster Presentation	Sri Vasari Institute of Engineering And Technology	2023-24	II
32	N.VASU	arms Association	Poster Presentation	Sri Vasari Institute of Engineering And Technology	2023-24	II

33	P.V.RAMU	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2023-24	I
34	V.GANESH	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2023-24	I
35	K.MAHESH	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2023-24	II
36	M.BHARGAV	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2023-24	II
37	M.SIVA TEJA	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2023-24	III
38	MD.NAZEER	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2023-24	III
39	KALEPALLI BALA	arms Association	CAD Mania	Sri Vasari Institute of Engineering And Technology	2023-24	I
40	LAKSHMI PHANI KUMAR	arms Association	CAD Mania	Sri Vasari Institute of Engineering And Technology	2023-24	I
41	B.NARASIMHULU-	arms Association	CAD Mania	Sri Vasari Institute of Engineering And Technology	2023-24	II
42	V.GUNADEEP	arms Association	CAD Mania	Sri Vasari Institute of Engineering And Technology	2023-24	III

Academic Year: 2024-25(CAYm3) Prize Winner

S. No	Name of the Students	Name of the Event	Topic	Venue	Date	Award/ Reward
1.	P. Ratna sai	TECH-sprint	PPT	Teegala Krishna reddy engineering,hyd	17-3-2025 to 18-3-2025	First prize
2	K.B.L. Phani kumar	TECH-sprint	PPT	Teegala Krishna reddy engineering,hyd	17-3-2025 to 18-3-2025	First prize

3	M. Babi	TECH-sprint	Poster presentation	Teegala Krishna reddy engineering,hyd	17-3-2025 to 18-3-2025	Second prize
4	MH.Venkata kiran	TECH-sprint	Poster presentation	Teegala Krishna reddy engineering,hyd	17-3-2025 to 18-3-2025	Second prize
5	P. Naga kartheek	TECH-sprint	3D Design	Teegala Krishna reddy engineering,hyd	17-3-2025 to 18-3-2025	-
6	A.M. Bhuvaneswara kumar	TECH-sprint	3D Design	Teegala Krishna reddy engineering,hyd	17-3-2025 to 18-3-2025	-

Academic Year: 2024-25(CAYm3) Participation**Table 4.6.3.7: 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	Award/ Reward
1.	VUTUKURI S N V GUNADEEP	SRK-fest	Poster presentation	SRK institute of engineering	4-2-2025 to 5-2-2025	FIRST
2.	THATHAPUDI ANIL KUMAR	SRK-fest	Poster presentation	SRK institute of engineering	4-2-2025 to 5-2-2025	FIRST
3.	ANKEM MURALI KRISHNA	DHANUSK – 2K24	Technical Quiz	Dhanekula institute of engineering and technology	7-1-2025 to 8-1-2025	SECOND
4.	MATTA RAVI BHARGAV	DHANUSK – 2K24	Technical Quiz	Dhanekula institute of engineering and technology	7-1-2025 to 8-1-2025	SECOND
5	A.MADHAV	VKR-FEST	TECHNICAL QUIZ	V.K.R,V.N.B &A.G.K. College of Engineering	7-3-2025 to 8-3-2025	-
6	P.RATNASAI	VKR-FEST	TECHNICAL QUIZ	V.K.R,V.N.B &A.G.K. College of Engineering	7-3-2025 to 8-3-2025	-
7	MATTA BABI	arms Association	Technical JAM	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST

8	EVANA GOPI VENKATA CHAND	arms Association	Technical JAM	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
9	METLA HEMA VENKATA KIRAN	arms Association	Technical JAM	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
10	KALEPALLI BALA LAKSHMI PHANI KUMAR	arms Association	PPT	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST
11	CHODABATHULA NAGA VENKATA UMA MAHESH	arms Association	PPT	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
12	AMARA MADHAVA BHUVANESWARA KUMAR	arms Association	PPT	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
13	CHODABATHULA NAGA VENKATA UMA MAHESH	arms Association	Catia 3D	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST
14	AMARA MADHAVA BHUVANESWARA KUMAR	arms Association	Catia 3D	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
15	PARIMKAYALA NAGA KARTHEEK	arms Association	Catia 3D	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
16	MATTA BABI	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST
17	CHODABATHULA NAGA VENKATA UMA MAHESH	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
18	A.DHANUSH	arms Association	Technical Quiz	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
19	AMARA MADHAVA BHUVANESWARA KUMAR	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST
20	MATTA BABI	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND

21	PARIMKAYALA NAGA KARTHEEK	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
22	KOTA SUMANTH	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
23	GAMINI ANIL KUMAR	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
24	THADISETTI NAGA TEJA	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
25	VERAVALLI RAVI PRAKASH-	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
26	THENNETI KARTHIK-	arms Association	Technical Gate	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
27	AMARA MADHAVA BHUVANESWARA KUMAR-	arms Association	Aptitude & Reasoning	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST
28	KALEPALLI BALA LAKSHMI PHANI KUMAR	arms Association	Aptitude & Reasoning	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
29	THENNETI KARTHIK-	arms Association	Aptitude & Reasoning	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
30	KALEPALLI BALA LAKSHMI PHANI KUMAR	arms Association	Poster Presentation	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST
31	VEENAM PAVAN KUMAR	arms Association	Poster Presentation	Sri Vasari Institute of Engineering And Technology	2024-2025	FIERST
32	THADISETTI NAGA TEJA	arms Association	Poster Presentation	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
33	U.SAI KUMAR	arms Association	Poster Presentation	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
34	U.SAI KUMAR	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST

35	THADISETTI NAGA TEJA	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST
36	A.DHANUSH	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
37	M.H.V.KIRAN	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
38	AMARA MADHAVA BHUVANESWARA KUMAR	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
39	PARIMKAYALA NAGA KARTHEEK	arms Association	Engine Assembly	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD
40	AMARA MADHAVA BHUVANESWARA KUMAR	arms Association	CAD Mania	Sri Vasari Institute of Engineering And Technology	2024-2025	FIRST
41	KALEPALLI BALA LAKSHMI PHANI KUMAR	arms Association	CAD Mania	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
42	URRAKULA SAI KUMAR	arms Association	CAD Mania	Sri Vasari Institute of Engineering And Technology	2024-2025	SECOND
43	METLA HEMA VENKATA KIRAN	arms Association	CAD Mania	Sri Vasari Institute of Engineering And Technology	2024-2025	THIRD

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Total Marks 175.56

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?
K. Sukumar	BTSPK4870L	M.E/M.Tech	20/06/2016	Thermal Engineering	3	0	0	Assistant Professor		02/06/2017	Regular	Yes		No
Dr.MD.Abid Ali	AQQPM6934M	ME/M. Tech and PhD	13/02/2013	Mechanical Engineering	1	1	0	Associate Professor	04/07/2022	04/07/2022	Regular	Yes		Yes
Dr.D.Raja Ramesh	AETPD6432N	ME/M. Tech and PhD	16/02/2015	Mechanical Engineering	12	0	0	Professor	01/07/2016	01/07/2016	Regular	Yes		No
D.Kiran Babu	CIRPD3724M	M.E/M.Tech	29/02/2016	Thermal Engineering	1	0	0	Assistant Professor		06/07/2022	Regular	Yes		No
Ch.Anusha	BGBPA1999J	M.E/M.Tech	30/06/2015	Machine Design	5	0	0	Assistant Professor		15/06/2018	Regular	Yes		No
D.Khyathimai	JLGPK3608Q	M.E/M.Tech	30/09/2019	Machine Design	1	0	0	Assistant Professor		18/08/2022	Regular	Yes		No
T.Durga Prasad	BBCPT9693L	M.E/M.Tech	30/04/2021	Thermal Engineering	0	0	0	Assistant Professor		13/07/2022	Regular	Yes		No
K.Lakshmi Priya	CBFPK3557C	M.E/M.Tech	12/07/2011	Manufacturing Systems Engineering	1	0	0	Assistant Professor		26/07/2022	Regular	Yes		No
V Satish Kumar	AFPPV9135F	M.E/M.Tech	03/06/2014	CAD/CAM	0	0	0	Assistant Professor		04/11/2019	Regular	Yes		No
V.Ravi	AXSPV3701A	M.E/M.Tech	12/06/2018	Machine Design	0	0	0	Assistant Professor		06/06/2022	Regular	Yes		No
G S.N.Phanindra Kumar	HYHPK5715G	M.E/M.Tech	30/09/2019	Machine Design	0	0	0	Assistant Professor		07/06/2022	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

Mechanical 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	60	6	60	6	60	6
3rd Year	60	6	60	6	60	6
4th Year	60	6	60	6	60	6
Sub-Total	180	18	180	18	180	18
Total	198		198		198	
Grand Total		198	198		198	

PG

No. of PG Programs in the Department 0

Grand Total				
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SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 0

Description	CAY(2024-25)		CAYm1 (2023-24)		CAYm2 (2022-23)	
Total No. of Students in the Department(S)	<div>198</div>	Sum total of all (UG+PG) students	<div>198</div>	Sum total of all (UG+PG) students	<div>198</div>	Sum total of all (UG+PG) students
No. of Faculty in the Department(F)	<div>11</div>	F1	<div>11</div>	F2	<div>11</div>	F3
Student Faculty Ratio(SFR)	<div>18.00</div>	SFR1=S1/F1	<div>18.00</div>	SFR2=S2/F2	<div>18.00</div>	SFR3=S3/F3
Average SFR	<div>18.00</div>	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)	11	0
CAYm1(2023-24)	11	0
CAYm2(2022-23)	11	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)	1.00	1.00	2.00	1.00	6.00	9.00
CAYm1(2023-24)	1.00	1.00	2.00	1.00	6.00	9.00
CAYm2(2022-23)	1.00	1.00	2.00	1.00	6.00	9.00
Average Numbers	1.00	1.00	2.00	1.00	6.00	9.00

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

5.3 Faculty Qualification (25)

Total Marks 15.56

Institute Marks : 15.56

	X	Y	F	$FQ = 2.5 \times [(10X + 4Y) / F]$
2024-25(CAY)	2	9	9.00	15.56
2023-24(CAYm1)	2	9	9.00	15.56
2022-23(CAYm2)	2	9	9.00	15.56

Average Assessment : 15.56

5.4 Faculty Retention (25)

Total Marks 25.00
Institute Marks : 25.00

Description	2023-24	2024-25
No of Faculty Retained	11	11
Total No of Faculty	9	9
% of Faculty Retained	122	122

Average : 122.00

Assessment Marks : 25.00

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

Total Marks 20.00

Table 5.5.1: Summary of Innovative teaching learning brought in by the Faculty for A Y: 2024 – 25

S.No	Faculty Name	Year & Sem	Course	Topic	Methodology/ Aid
1.	Mrs. K. Lakshmi Priya	II-I	Thermal Engineering-II	Steam Nozzles	Cooperative learning
2.	Ms. D. Khyathimai	II-II	Theory of Machines	Straight line Mechanisms	Animation
3.	Mrs.Ch. Anusha	IV-I	Additive Manufacturing	Powder based Rapid prototyping system	Enquiry Based Education
4.	Mrs.Ch. Anusha	II-I	MOS	Stress Strain Diagram for mild steel	Flipped Classroom
5.	Ms. D. Khyathimai	III-I	DMM-I	Shaft Sizes	Flipped Classroom
6.	Mr.D. Kiran Babu	II-I	MSM	Tempering, Hardenability	Animation

Academic Year: 2023-24**Table 5.5.2: Summary of Innovative teaching learning brought in by the Faculty for A Y: 2023– 24**

S.No	Faculty Name	Year & Sem	Course	Topic	Methodology/ Aid
1.	Mr. K. Sukumar	III-II	Heat Transfer	Pool Boiling Curve	Flipped Classroom
2.	Mr. D. Kiran Babu	III-II	Advanced Materials	Applications of Shape memory alloys	Enquiry Based Education
3.	Ms. D. Khyathimai	III-II	Automobile Engineering	Clutches	Animation
4.	Mr. T. Durga Prasad	II-II	Thermal Engineering-I	Internal Combustion Engines	Flipped Classroom
5.	Dr. D. Raja Ramesh	III-I	DMM-I	Riveted and welded joints	Cooperative learning
6.	Mr. Ch. Anusha	III-I	MMM	Lathe Operations	Flipped Classroom

Table 5.5.3: Summary of Innovative teaching learning brought in by the Faculty for A Y: 2022– 23

S.No	Faculty Name	Year & Sem	Course	Topic	Methodology/ Aid
1.	Mrs. Ch. Anusha	IV-II	Additive Manufacturing	Die Casting, Sand Casting	Cooperative learning
2.	Ms. D. Khyathimai	IV-II	Green Energy systems	Bio Mass	Animation

3.	Dr. D. Raja Ramesh	IV-I	PPC	Routing and Schedule	Enquiry Based Education
4.	Mr. K.Sukumar	II-I	Mechanics of solids	Shear Force and bending moment diagram	Cooperative learning

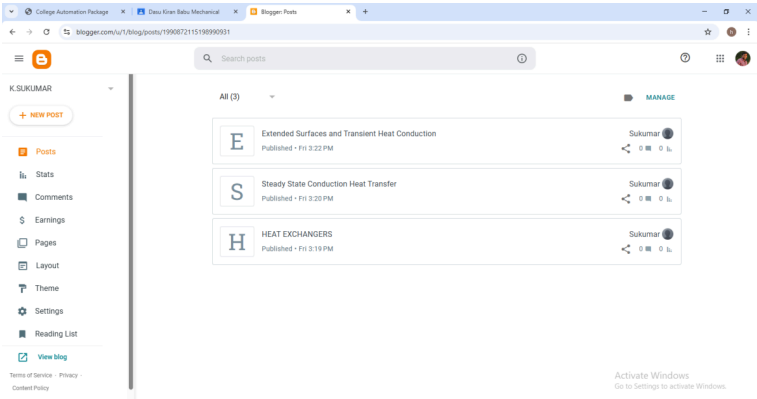
Resources:

SNo	Name of the Subject	URL Links
1.	Thermodynamics	http://ecap/newecap/resources/thermodynamics_2075.pdf
2.	Mechanics of Solids	http://ecap/newecap/resources/MOS%20UNIT%20I_3391.pdf
3.	Kinematics Of Machinery	http://ecap/newecap/resources/KOM%20UNIT-1_1255.pdf
4.	Metallurgy and Material Science	http://ecap/newecap/resources/MSM%20R20%20-%20UNIT-1_3744.pdf
5.	Dynamics Of Machinery	http://ecap/newecap/resources/DOM%20UNIT%20-II_3536.pdf
6.	Design Of Machine Members-I	http://ecap/newecap/resources/DMM-1%20STRESS%20IN%20MACHINE%20MEMBERS_1240.pdf
7.	Fluid Mechanics And Hydraulic Machines	http://ecap/newecap/resources/FMHM%20HYDRAULIC%20TURBINES_1253.pdf
8.	Thermal Engineering -I	http://ecap/newecap/resources/R20%20TE-1%20-%20UNIT-1_3666.pdf
9.	Thermal Engineering-II	http://ecap/newecap/resources/UNIT-1%20TE-II_2784.pdf
10.	Automobile Engineering	http://ecap/newecap/resources/AE-%20NOTES%20%20UNIT-1_3660.pdf
11.	Refrigeration and Air Conditioning	http://ecap/newecap/resources/R&AC%20-%20Unit%201_4206.pdf
12.	Heat Transfer	http://ecap/newecap/resources/R20%20HT%20Steady%20State%20Conduction%20Heat%20Transfer_5236.pdf
13.	Advanced Materials	http://ecap/newecap/resources/Advanced%20materials_2892.pdf
14.	Unconventional Machining Processes	http://ecap/newecap/resources/UCMP_2882.pdf
15.	Additive manufacturing	http://ecap/newecap/resources/ADDITIVE%20MANUFACTURING_2837.pdf

The top screenshot shows the SRI VASAVI Institute of Engineering & Technology website. The header includes the institute's name, accreditation (AACSB, NAAC, AICTE, ISO 9001:2015), and a list of links: ADMISSIONS, EXAMINATIONS, CORRESPONDENCE, ACADEMICS, EMPLOYEE, and GENERAL. The main content area is divided into 'ACADEMICS' and 'RESOURCES'. The 'RESOURCES' section has a search bar and a list of 17 items, each with a 'Download' link. The bottom screenshot shows a Google Classroom interface for a class titled 'HEAT TRANSFER MECHANICAL III YEAR'. The left sidebar contains navigation links: Home, Calendar, Teaching, To review, Enrolled, To-do, IC0001 2024 Research Methodology, Archived classes, and Settings. The main content area features a banner for 'HEAT TRANSFER MECHANICAL III YEAR' and a section for 'Upcoming' work, which is currently empty.

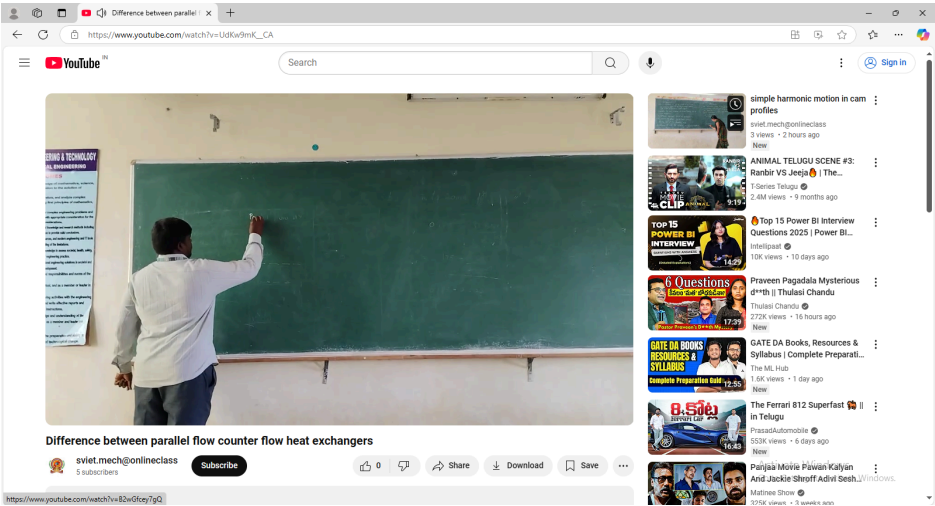
A.The work must be made available on Institute Website (4)

S.No	Name of the faculty	Link of webpage/blog/ Google classroom/LMS etc.
1	Dr. D. Raja Ramesh	https://www.blogger.com/blog/posts/928869019683454867
2	K. Sukumar	https://www.blogger.com/blog/posts/1990872115198990931
3	Ch. Anusha	https://www.blogger.com/blog/posts/2484850187360372716
4	D.Khyathimai	https://www.blogger.com/blog/posts/8311350464662247958?bpli=1&pli=1
5	D.Kiran Babu	https://www.blogger.com/blog/posts/5887300807356728566
6	K. Sukumar	https://classroom.google.com/u/1/c/NzUzMTUxMDk2ODQ1
7	D.Kiran Babu	https://classroom.google.com/u/2/c/NzUzMTk5ODU2Njg2



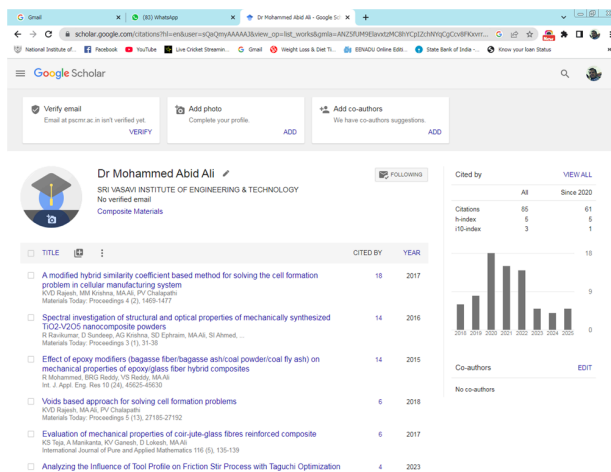
Youtube Links

S.No	Name of the faculty	Youtube Link
1	K. Sukumar	https://youtu.be/UdKw9mK_CA
2	D.Khyathimai	https://youtu.be/B2wGfcey7gQ?si=wt6Peh3z7bl2Qtv9
3	D.Kiran Babu	https://youtu.be/hMf8tc07tr8
4	T Durga Prasad	https://youtu.be/-yVAlyAhWUs?si=Gq7PRp61coemjs1Q
5	K Lakshmi Priya	https://youtu.be/tXCwhkU1qL0?si=QnoDwhELicLJQEJE



B. The work must be available for peer review and critique (4)

C. The work must be reproducible and developed further by other scholars (2)



D. Statement of clear goals, use of appropriate methods, significance of results, effective presentation and reflective critique (10)

The pedagogy report and responses include details such as statement of clear goals, use of appropriate methods, significance of results, effective presentation, and reflective critique. A sample pedagogy report is shown below

Academic Year	2024-25_ ODD Semester
Name Of The Faculty	D Kiran Babu
Course Name/Code	Production Technology (PT) and CAM
Pedagogy Method	Industrial visit
Activity Name	Demonstration on Casting Process & working of CNC Machine
Topic Covered	Casting Process & working of CNC Machine
Objectives/ Goals	To understand working principle of Casting Process & working of CNC Machine
Significance Of Results	<p>I. Students understood different types of Casting processes</p> <p>II. Students can distinguish between modern machine tools.</p> <p>III. Students understood the concept of tools used in manufacturing processes</p>
Reflective Critique	Students showed interest toward online NPTEL courses related to Production Technology



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.D.Raja Ramesh	4.00	3.00	3.00
Dr.MD.Abid Ali	4.00	2.00	0.00
K. Sukumar	5.00	3.00	2.00
Ch.Anusha	5.00	5.00	5.00
V Satish Kumar	3.00	3.00	3.00
D.Khyathimai	5.00	5.00	0.00
D.Kiran Babu	4.00	4.00	0.00
V.Ravi	2.00	0.00	0.00
T.Durga Prasad	4.00	0.00	0.00
K.Lakshmi Priya	5.00	0.00	0.00
G.S.N. Phanindra Kumar	1.00	1.00	0.00
P.Vijaya kanth	2.00	2.00	2.00
K.Ravi	2.00	2.00	2.00
V. Sai Mounica	2.00	2.00	2.00
Sum	48.00	32.00	19.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratios as per 5.1	9.90	9.90	9.90
Assessment [3*(Sum / 0.5RF)]	29.09	19.39	11.52

Average assessment over 3 years: 20.00

5.7 Research and Development (30)

Total Marks 20.00

Academic Research

All the faculties are encouraged to pursue Ph.D. The details of PhDs awarded, paper publications in scopes Journals, international conferences attended and papers presented in various conferences are given below,

A.Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (6)

Table 5.7.1.1: Summary of faculty publications in assessment period

Academic Year	2024-25				2023-24				2022-23			
	SCI	SCOPUS	UGC	Total	SCI	SCOPUS	UGC	Total	SCI	SCOPUS	UGC	Total
Number of Publications	-	1	8	9	2	-	-	2	1	-	9	10

Table 5.7.1.2 Research Publications in International/National Journals (2024-25)

S.No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Month/Year
1	Ms. D. Khyathimai	Design And Optimization Of Excavator Arm	Industrial Engineering Journal	0970-2555	September - 2024
2	Mrs Ch. Anusha	Experimental Investigation Of Heat Transfer Characteristics Using Nanofluids In An Automotive Radiator	Industrial Engineering Journal	0970-2555	September - 2024
3	Dr. D. Raja Ramesh	Explicit design and analysis of EV car body	Industrial Engineering Journal	0970-2555	September - 2024
4	Mr. K. Sukumar	Fabrication of solar-based aerator and controller For aquaculture	Industrial Engineering Journal	0970-2555	September - 2024
5	Mr. D. Kiran babu	Fabrication Of Solar Power Crack Detection System For Railway Track	Industrial Engineering Journal	0970-2555	September - 2024
6	Mrs.K. Lakshmi priya	Fabrication & performance analysis of floating & sun Tracking solar panel	Industrial Engineering Journal	0970-2555	September - 2024

7	Mrs.ch.Anusha	Investigation on mechanical and tribological Behaviour of al6061/sic/bagasse ash hybrid reinforced Metal matrix composites using stir casting.	Industrial Engineering Journal	0970-2555	September - 2024
8	Mrs. Ch. Anusha	Comprehensive review on the AA356 composite., Mechanical properties, Fatigue, wear and physical and chemical properties	International Journal of Innovative Science and Research Technology	2456-2165	July- 2024
9	Dr. Md. Abid Ali	Performance And Emission Characteristics of A Single Cylinder Direct Injection Four Stroke Diesel Engine With Mickey Piston	Nanotechnology Perceptions	1660-6795	November - 2024

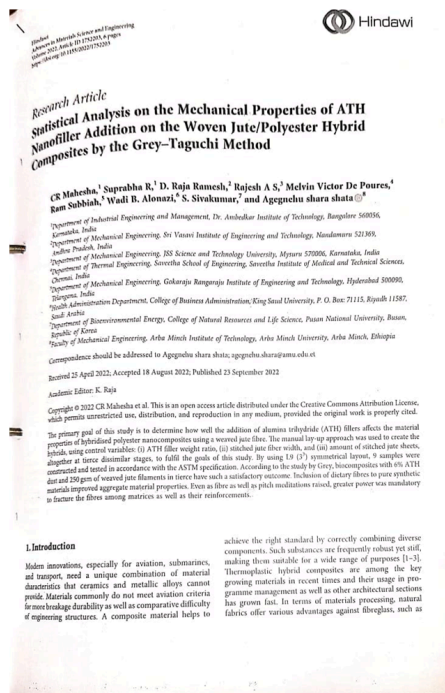
Table 5.7.1.3 Research Publications in International/National Journals (2023-24)

S.No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Month/Year
1	Dr. D. Raja Ramesh	Abrasion-Resistance poly tetrafluoroethylene with graphite fibers for aerospace and defense components post hard Anodizing	Journal of Balkan Tribological Association	1310-4772	2023
2	Dr. D. Raja Ramesh	Instegating the wear resistant of Zn-Co- Ni alloy coatings on polymer substrates	Journal of Balkan Tribological Association	1310-4772	2023

Table 5.7.1.4 Research Publications in International/National Journals (2022-23)

S.No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Month/Year
1	Dr D.Raja Ramesh	Statistical Analysis on the Mechanical Properties of ATH Nanofiller Addition on the Woven Jute/Polyester Hybrid Composites by the Grey–Taguchi Method	Advances in Materials Science and Engineering	1687-8434	September - 2022
2	Dr D.Raja Ramesh	Analysis of Composite Leaf Spring	Dogo Rangsang Research Journal	2347-7180	February - 2023

3	Dr D.Raja Ramesh	Fabrication And Analytical Analysis of Biogas Digester	Dogo Rangsang Research Journal	2347-7180	February - 2023
4	Dr D.Raja Ramesh	Modeling And Analysis of Grain Bagging Through Vacuum Machine	Dogo Rangsang Research Journal	2347-7180	February - 2023
5	Dr D.Raja Ramesh	Modeling & Fabrication of E-Baby Cradle System	Dogo Rangsang Research Journal	2347-7180	February - 2023
6	Dr D.Raja Ramesh	Fabrication & Analysis of Electro Magnetic Braking System	Dogo Rangsang Research Journal	2347-7180	February - 2023
7	Mr. K. Sukumar	Fabrication And Analytical Analysis of Biogas Digester	Dogo Rangsang Research Journal	2347-7180	February - 2023
8	Mr. K. Sukumar	Modeling & Fabrication of E-Baby Cradle System	Dogo Rangsang Research Journal	2347-7180	February - 2023
9	Mrs.Ch. Anusha	Modeling And Analysis of Grain Bagging Through Vacuum Machine	Dogo Rangsang Research Journal	2347-7180	February - 2023
10	Mrs.Ch. Anusha	Fabrication & Analysis of Electro Magnetic Braking System	Dogo Rangsang Research Journal	2347-7180	February - 2023



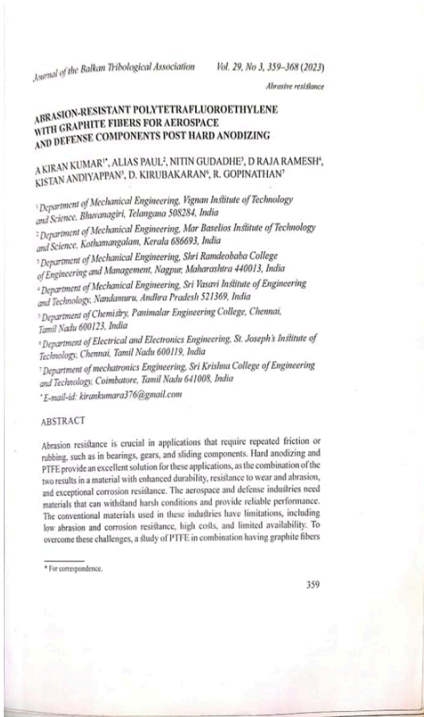
INVESTIGATING THE WEAR RESISTANCE OF INCO-NI ALLOY COATINGS ON POLYMER SUBSTRATES K. SHIVASHANKAR*, K. VETRI VELMURUGAN, K. VINAYACHANDRAN, D. RAJA RAMESH, A. D. URADIL*, R. P. CHOWDARY*, PRASHANT SUNAGAR¹

¹Department of Mechanical Engineering, Vidyavardhaka College of Engineering, Mysore, Karnataka 570002, India
²Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, Tamil Nadu 600044, India
³Department of Chemistry, Panimalar Engineering College, Chennai, Tamil Nadu 600123, India
⁴Department of Mechanical Engineering, Sri Vasavi Institute of Engineering and Technology, Nandamuru, Andhra Pradesh 521369, India
⁵Department of Mechanical Engineering, Shri Ramkrishna College of Engineering and Management, Nizampur, Maharashtra 440013, India
⁶Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana 500075, India
⁷Department of Structural Engineering, Sanjivani College of Engineering, Savarshi, Phul Pune University, Kopergaon, Maharashtra 423601, India
*Email: shivashankar167@gmail.com

ABSTRACT

Polymer substrates have gained significant attention in various industries due to their lightweight and flexible properties. However, the low wear resistance of polymers is a major limitation in their use in high-stress applications. To overcome this challenge, researchers have developed various coating techniques to enhance the wear resistance of polymer substrates. One such technique is the deposition of Zn-Co-Ni alloys on the polymer surface. To evaluate the wear resistance of Zn-Co-Ni alloy coatings, three polymer substrates poly(acrylonitrile-butadiene-styrene) (ABS), Polyvinyl chloride (PVC), and poly (3,4-ethylene dioxythiophene) (PEDOT) were coated with Zn-Co-Ni alloy. The wear resistance of the coated samples was evaluated using a pin-on-disc wear tester. The results showed that the wear resistance of the coated samples was significantly higher than that of the uncoated polymer substrates. The wear resistance of the coated samples was found to be dependent on the polymer substrate and the Zn-Co-Ni alloy composition. The wear resistance of the coated samples was found to be in the order of PEDOT > ABS > PVC.

*For correspondence.



Patents:

S.No.	Name of the Faculty Author	Title	Field of Innovation	Month/Year
1	Dr. Md. Abid Ali	Three Axis pneumatic suspension system for enhanced trailer maneuverability and stability	Mechanical Engineering	November - 2024

B.PhD guided /PhD awarded during the assessment period while working in the institute (4)

Faculty Name	Scholar Name	Scholar University / Institute of registration	Year of Registration	Topic	Area of Research
Dr. Md. Abid Ali	Kancharla Bulli Babu	KLU	2015	Experimental Studies on effect of Industrial Residues on Red Bricks under Various Conditions	Composite materials

Ph.D Pursuing faculty details:

ACADEMIC YEAR: 2024-2025

Faculty Name	Guide Name	University / Institute of registration	Year of Registration	Topic	Area of Research
Mrs.Ch. Anusha	Dr.B. Ram Gopal Reddy	ANU	October 2024	Additive Manufacturing in Biomedicals	Manufacturing

ACADEMIC YEAR: 2023-2024

Faculty Name	Guide Name	University / Institute of registration	Year of Registration	Topic	Area of Research
Mr. K.Sukumar	Dr. Santosh Kumar	NIT, Silchar	January 2024	Mechanical Clinching for Joining sheet metals	Manufacturing

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

A.Product development

Table 5.7.3.1. 1Product developed in Academic Year: 2023-24

S.No	Faculty Name	Product Name	Innovation in product	No of Faculty involved	No of students involved
1	Ms.D.Khyathimai	Fabrication Of Solar Grass Cutter Using Android Mobile	It is a sustainable and user-friendly solution for lawn maintenance. By leveraging renewable energy and smart technology, this project contributes to environmental conservation and modern automation in household and commercial applications.	1	4
2	Mr.D.KiranBabu	Modeling And Fabrication Of Smart Solar Scare Crow	The Smart Solar Scarecrow represents a significant advancement in agricultural pest control. By integrating renewable energy and automation, it offers a sustainable, cost-effective, and highly efficient solution for protecting crops.	1	4
3	Mr.V.Ravi	Fabrication Of Chemical Spray Robot Operated With Android Mobile	This innovation in chemical spraying technology presents a safe, efficient, and scalable solution for agricultural and industrial applications. Future developments could incorporate AI-based crop detection and automated spraying based on real-time data.	1	4
4	Mr.T.Durgaprasad	Design And Fabrication Of Intelligent Braking System	The innovation in Intelligent Braking Systems represents a major leap in automotive safety and efficiency. By integrating smart sensors and advanced materials, the future of braking systems will be safer, more reliable, and energy-efficient.	1	4
5	Mrs.K.LakshmiPriya	Fabrication, Performance & Analysis Of Floating & Sun Tracking Solar Panel	The innovation in floating and sun-tracking solar panels significantly enhances solar energy harvesting efficiency	1	4
6	Mr.K. Sukumar	Fabrication Of Solar Based Aerator And Controller For Aquaculture	The fabrication of solar-based aerators and controllers for aquaculture is an area of significant innovation, driven by the need for sustainable practices and cost-effective solutions.	1	4
7	Mr.D.KiranBabu	Fabrication Of Solar Power Crack Detection System For Railway Track	The integration of solar power into crack detection systems for railway tracks represents a significant innovation in railway safety and maintenance. These systems offer autonomous, real-time monitoring, are energy-efficient, and can be deployed in remote locations with limited access to external power.	1	4
8	Mrs. Ch. Anusha	Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator.	The use of nanofluids in automotive radiators presents an innovative approach to enhancing heat transfer efficiency, reducing energy consumption, and improving vehicle performance. Further research into hybrid nanofluids and long-term stability will drive future advancements in automotive cooling technology.	1	4

Table 5.7.3.1.2. Product developed in Academic Year: 2022-23

S.No	Faculty Name	Product Name	Innovation in product	No of Faculty involved	No of students involved
1	Dr. D. Raja Ramesh/ Mr. D. Kiran Babu	Fabrication Of Solar Based Robotic Arm Controlled By Android Phone	Incorporating solar power into a robotic arm controlled by an Android phone is a promising innovation that combines sustainability, convenience, and automation. With advancements in solar energy efficiency, lightweight materials, and mobile control, this system could be an excellent solution for various industries, from education to industrial automation.	2	4
2	Mr. D. Kiran Babu	Fabrication Of Zero Turn Four Wheel Vehicle	The advancements in zero-turn four-wheel vehicle fabrication have led to enhanced efficiency, improved safety, and greater versatility across various applications, including agriculture, construction, and industrial transport. The shift towards lightweight materials, electric powertrains, and smart automation has made these vehicles more energy-efficient and user-friendly.	1	4
3	Mr. K. Sukumar	Modeling, Analysis And Fabrication Of Eight Legs Walking Robot	In modeling, analysis, and fabrication of eight-legged robots have significantly improved efficiency, adaptability, and robustness. The integration of bio-inspired gaits, AI-driven simulations, lightweight materials, and smart actuation has resulted in highly capable robots for applications in disaster response, space exploration, and industrial automation.	1	4
4	Mr.T.Durgaprasad	Fabrication Of Paddy Transplanter Machine	In the fabrication of paddy transplanter machines have transformed rice farming, making it more efficient, precise, and sustainable. The integration of smart automation, lightweight materials, hybrid power sources, and adaptive design has resulted in higher productivity, reduced labor dependency, and improved crop yields.	1	4

5	Ms. D. Khyathimai	Fabrication Of Alcohol Detection And Motor Locking System By Using Arduino Sensor	The fabrication of alcohol detection and motor locking systems using Arduino sensors has become more efficient, compact, and smart. Significantly improved accuracy, automation, and vehicle security.	1	4
6	Mrs. Ch. Anusha/Mr.V. Satish Kumar	Fabrication Of Multi Purpose Voice Controlled Robot By Using Python Programming Language	The fabrication of a multi-purpose voice-controlled robot using Python represents a significant step in automation. With advanced speech recognition this innovation enhances efficiency in multiple domains	2	4
7	Mr. K. Sukumar	Fabrication Of Paddy Threshing Machine	The modern paddy threshing machine has significantly evolved with innovations in mechanical design, automation, energy efficiency, and material selection. Higher Threshing Efficiency – Reduced grain loss and better separation.	1	4

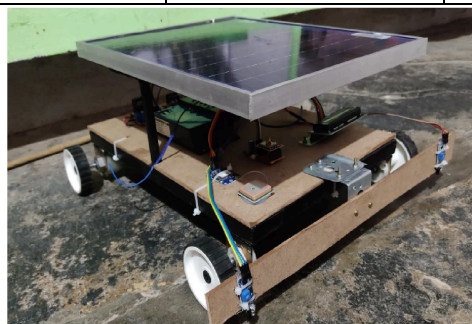


Fig.5.7.3.1.1 Fabrication Of Solar Power Crack Detection System For Railway Track

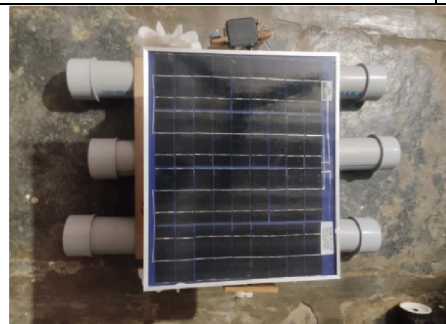


Fig.5.7.3.1.2 Fabrication, Performance & Analysis Of Floating & Sun Tracking Solar Panel

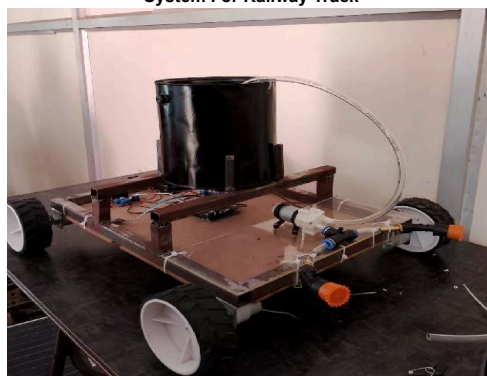


Fig.5.7.3.1.3 Fabrication Of Chemical Spary Robot Operated With Android Mobile

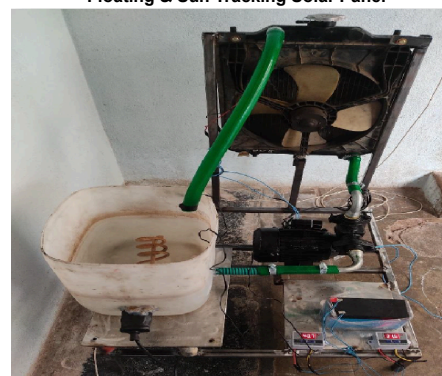


Fig.5.7.3.1.4 Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator

B. Research laboratory:

1. The department is equipped with project laboratory with an area of 80.54 Sq.m.
2. Student project models are displayed in the project laboratory

Table 5.7.3.2.1 Product developed in Academic Year: 2022-23

S. No	Facility Name	Details	Reason(s) for creating facility	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	Lathe machine	Range of spindle speed =45 to 1000 rpm	Machining operations	MCMT	PO3, PO 9, PO12
2	Welding Machine	Arc Welder,220V	Fabrication work	PT	PO3, PO 9, PO12
3	Cutter	335mm Dia cut off saw,220-240V	Cutting operation	MCMT	PO3, PO 9, PO12
4	Drilling Machine	0.5hp,220V,0.37 KW	Drill holes	Workshop	PO3, PO 9, PO12



Table 5.7.3.2.2 List of Research activities in Research lab

S. No	Name of the faculty	Area of Research	Outcomes of the Research work
1	Mrs. Ch. Anusha	Automotive Radiator	Paper on "Experimental Investigation Of Heat Transfer Characteristics Using Nanofluids In An Automotive Radiator", Industrial Engineering Journal, 0970-2555.
2	Mr.K. Sukumar	Solar Based Aerator	Paper on "Fabrication Of Solar Based Aerator And Controller For Aquaculture", Industrial Engineering Journal, 0970-2555.



Fig.5.7.3.2.1 Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator



Fig.5.7.3.2.2 Fabrication Of Solar Based Aerator And Controller For Aquaculture

C.Instructional materials

Table 5.7.3.3.1 List of Course files as Instruction Material for Academic Year 2023-24

S.No	Name of the Faculty	Course file prepared	Class &Sem
1	Mr. V.Ravi	Mechanics of Solids	II B.Tech. I SEM
2	Dr. D. Raja Ramesh	Fluid Mechanics & Hydraulic Machines	II B.Tech. I SEM
3	Dr.Md.Abid Ali	Production Technology	II B.Tech. I SEM
4	Ms.D. Khyathimai	Kinematics of Machinery	II B.Tech. I SEM
5	Mr. V.Ravi	Computer Aided Engineering Drawing Practice	II B.Tech. I SEM
6	Mr.K.Sukumar	Thermal engineering-II	III B.Tech. I SEM
7	Dr.D.Raja Ramesh	Design of machine members-I	III B.Tech. I SEM
8	Mrs.Ch.Anusha	Machining, Machine Tool &Metrology	III B.Tech. I SEM
9	Ms.D.Khyathimai	Renewable Energy Sources	III B.Tech. I SEM
10	Mr.D.Kiran Babu	Advanced Materials	III B.Tech. I SEM
11	Mr.V.Satish Kumar	Unconventional Machining Processes	IV B.Tech. I SEM
12	Dr.Md.Abid Ali	Production Planning and Control	IV B.Tech. I SEM
13	Mr.K.Sukumar	Refrigeration & Air-Conditioning	IV B.Tech. I SEM
14	Mr.D.Kiranbabu	Material Science & Metallurgy	II B.Tech. II SEM
15	Ms.D. Khyathimai	Dynamics of Machinery	II B.Tech. II SEM
16	Mr.T.Durgaprasad	Thermal Engineering-I	II B.Tech. II SEM
17	Dr. D. Raja Ramesh	Industrial Engineering and Management	II B.Tech. II SEM
18	Mr.K.Sukumar	Heat Transfer	III B.Tech. II SEM
19	Mrs.Ch.Anusha	Design of Machine Members-II	III B.Tech. II SEM
20	Ms.D.Khyathimai	Automobile Engineering	III B.Tech. II SEM

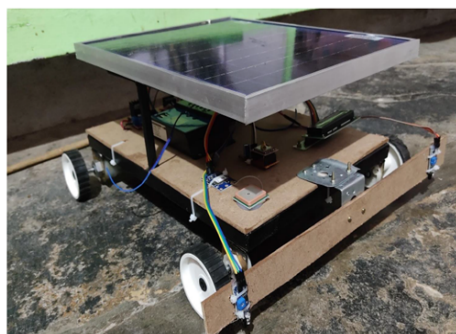
Table 5.7.3.3.2 List of lab files as Instruction Material for Academic Year 2023-24

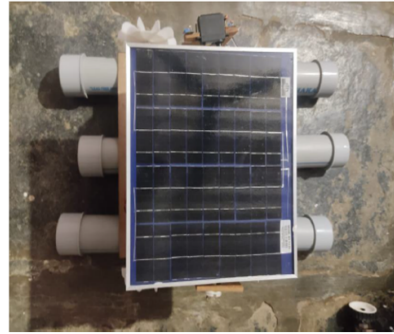
S.No	Name of the Faculty	Course file prepared	Class &Sem
1	Mrs.Ch.Anusha	Fluid Mechanics & Hydraulic Machines Lab	II B.Tech. I SEM
2	Ms.D. Khyathimai	Production Technology Lab	II B.Tech. I SEM
3	Mr.D. Kiran Babu	Drafting and Modeling Lab	II B.Tech. I SEM
4	V.Satish	Machine tools lab	III B.Tech. I SEM
5	Mr.D.Kiran Babu	Thermal Engineering Lab	III B.Tech. I SEM
6	D.Khyathimai	Mechatronics Lab	IV B.Tech. I SEM

7	Mr.T.Durgaprasad	Mechanics of Solids and Metallurgy Lab	II B.Tech. II SEM
8	Mr.V.Ravi	Machine Drawing Practice	II B.Tech. II SEM
9	Mrs.Ch.Anusha	Theory of Machines Lab	II B.Tech. II SEM
10	Mr.D.Kiran Babu	Heat Transfer Lab	III B.Tech. II SEM
11	Mrs.K.Lakshmi Priya	CAE&CAM Lab	III B.Tech. II SEM
12	Ms.D.Khyathimai	Measurements & Metrology Lab	III B.Tech. II SEM

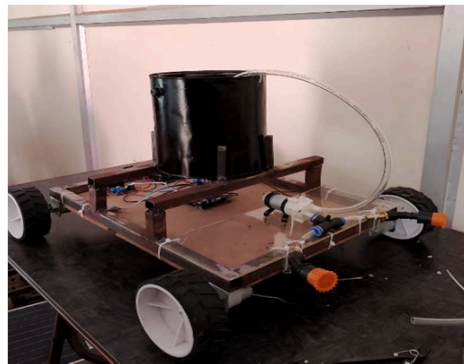
Table 5.7.3.3.3 List of lab files as Instruction Material for Academic Year 2023-24

S.No	Name of the Faculty	Course file prepared	Class &Sem
1	Mr.D.Kiran Babu	Fluid Mechanics & Hydraulic Machines Lab	II B.Tech. I SEM
2	Mrs.K.Lakshmi Priya	Production Technology Lab	II B.Tech. I SEM
3	Ms.D. Khyathimai	Machine tools lab	III B.Tech. I SEM
4	Mr.T.Durgaprasad	Thermal Engineering Lab	III B.Tech. I SEM
5	Mrs.K.Lakshmi Priya	Mechatronics Lab	IV B.Tech. I SEM
6	Mr.V.Ravi	Mechanics of Solids and Metallurgy Lab	II B.Tech. II SEM
7	Mrs.Ch.Anusha	Theory of Machines Lab	II B.Tech. II SEM
8	Mr.K.Sukumar	Heat Transfer Lab	III B.Tech. II SEM
9	Ms.D.Khyathimai	Measurements & Metrology Lab	III B.Tech. IId

D.Working models/charts/monograms etc.**Fabrication Of Solar Power Crack Detection System For Railway Track**



Fabrication, Performance & Analysis Of Floating & Sun Tracking Solar Panel



Fabrication Of Chemical Spary Robot Operated With Android Mobile



Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator



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

A.A well-defined performance appraisal and development system instituted for all the assessment years (10)

Faculty Performance Appraisal and Development System (FPADS)

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 abreast 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 assessment is based on:

- A well-defined system for faculty appraisal for all the assessment years(10)
- Its implementation and effectiveness (20)

The performance appraisal system of the staff is evaluate and ensure information on multiple activities 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.



FACULTYSELFASSESSMENTFORTHEACADEMICYEAR2023-24

1. General Information:

- Name in full : (in block letters)
- Department :

2. Academic Qualifications:

Qualification	Year of passing	Institution
UG:		
PG:		
Ph. D:		

- Additional Qualifications/ :
- Fellowships/Memberships/certificate courses:
- Area of specialization, if any :
- Date of Joining :
- Present designation and date of Appointment to that designation:

3. Experience:

a. Industrial experience if any :

b. Teaching experience total :

Name of the college	From (Date/Month/Year)	To (Date/Month/Year)	Experience in years
SVIET			
Other Colleges			

PART-A**A1. Student feedback: (Theory subjects only)****-20M**

S. No	Year-Sem- Branch- Sec	Subject Name	No. of students	Percentage	Average %	Self Assessment Marks
1						
2						
3						
4						
5					>=90<100=20 >=80<90=15 >=70<80=10 >=60<70=05	
6						
7						
8						

A2.SubjectsAveragePassPercentage:**-20M**

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.AverageAcademicClasses (Theory only):**-10M**

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						>=100=10	
6						>=90<100= 7	
7						>=80<90=3	
8						<80=0	

PART-B**B1. Workshops, Teaching-Learning-Evaluation Technology Programs, Faculty Development -20M****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 avenue above 200 kms from the college preferably NITs/Reputed Universities/IITS*B2.ResearchPublicationsandAcademicContributions:****-10M**

S. No	Type of Research Papers	No. of Papers	Maximum Self Assessment Marks	Obtained Self Assessment Marks (Maximum Marks 10)
1	1Scopus/ SCI indexed papers/Chapters/Book		10 M	
2	1National/International Journals(Non Paid)		07 M	
3	1ReputedconferencePapers		05 M	
4	1Journal/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 Author1/ Author2/ Author3
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/ Author2/ Author3
1				
2				

B2.c) Reputed Conference Papers:

S. No	Title with Page No's	International/ National Conference	Details of Conference	Specify Author1/ Author2/ Author3
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 / Author3

1				
2				

B3.ProctoringStudentsAverageValueadditions:**-10M**

S. No	No. of students allotted for proctoring	Year-Sem-Branch-Sec	No. of students participated in Paper presentations/Posters presentations/ Technical I exhibitions etc Outside the campus (A)	No. of students won prizes (B)	percentage (B/A)*100	Average %	Self Assessment Marks
1							
2						For Merely Participation=5 For winning prize = 5 Nil=0	
3							
4							
5							

*06different students in a semester to be participated

B4.Proctoring Students Average pass percentage:**-10M**

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 >= 65<70=8 >=60<65=6 >=50<55=4 <55 = 0	
3							
4							
5							

Staff Appraisal–Points Earned:

PART-A	PART-B	TOTALSUM (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

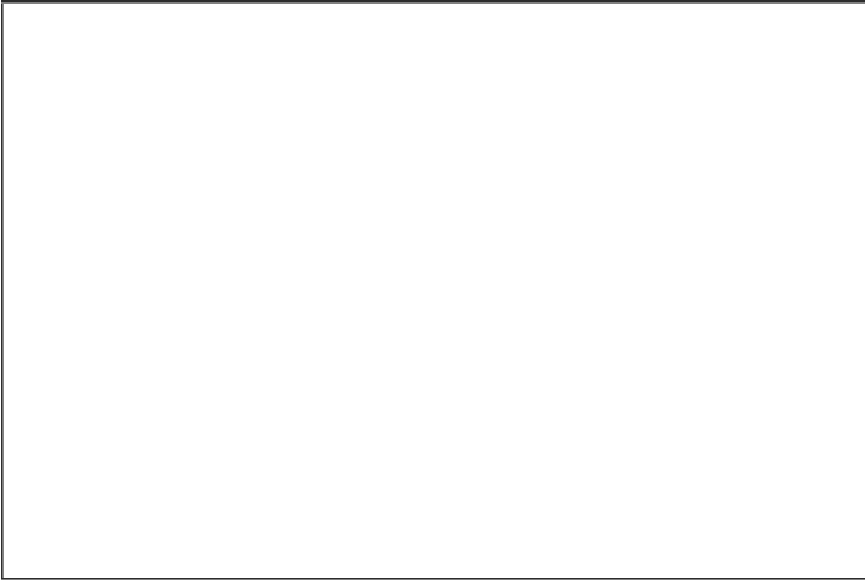
PART-A				PART-B				TOTALSUM (A + B)	
Students feedback %(20M)	Subjects Average Pass% (20M)	Average Academic Classes% (10M)	Sum of A	Workshops/ STTP/FDP/ Online course (20M)	Research Publications and Academic Contributions (10M)	Proctoring Students Average Value additions %(10M)	Proctoring Students Average pass %(10M)	Sum of B	Total out of (100M)

Remarks of the HOD:

A large, empty rectangular box with a thin black border, intended for the HOD's remarks.

Signature

Remarks of the Principal:

A large, empty rectangular box with a thin black border, intended for the Principal's remarks.

Signature

 **SRI VASAVI**
INSTITUTE OF ENGINEERING & TECHNOLOGY
Accredited by NAAC, RNBA (CSE, ECE & ME)
Approved by AICTE, New Delhi & Affiliated to JYUCL, Kakinada

FACULTY SELF ASSESSMENT FOR THE ACADEMIC YEAR 2023-24

01. General Information:

- (a) Name in full : DASU. KIRAN BABU
(in block letters)
- (b) Department : Mechanical Engineering

02. Academic Qualifications:

Qualification	Year of passing	Institution
UG:	2013	Chaitanya Engineering College
PG:	2016	OER College of Engineering & Technology
Ph.D:		

- (a) Additional Qualifications / :
Fellowships/Memberships/certificate courses
- (b) Area of specialization, if any : Thermal Engineering
- (c) Date of Joining : 01/10/2022
- (d) Present designation and date of Appointment to that designation : Assistant professor

03. Experience :

- (a) Industrial experience if any :
(b) Teaching experience total : 9 years

Name of the college	From (Date/Month/Year)	To (Date/Month/Year)	Experience in years
SVIET	01/10/2022	Till Now	3 years
Other Colleges	01/02/2016	25/9/2022	6 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 - J - Maths	P.T	8	95.93	88.8	15
2	II - J - Maths	A-10	8.0	80.25		
3	II - J - Hindi	P.T-1	7.1	85.51		
4	II - J - English	A-14-1	7	71.78		
5	II - J - Girl	A-14	5	74		
6						
7						
8						

A2. Subjects Average Pass Percentage:

- 20 M

S. No	Subject Name	Year-Sem-Branch	No of students appeared (A)	Passed (B)	Pass Percentage (B/A*100)	Average %	Self Assessment Marks
1	Production Technology (CP)	Ti-S-Mech	8	8	100	92.16	20
2	AM	Di-S-Mech	2.5	2.5	100		
3	OM	Di-S-Mech	2.3	2.1	91.30		
4	MSM	Di-S-Mech	8	8	100		
5	AM	Ti-S-Mech	10	7	70		
6							
7							
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	P.T	P.T-Mch	58	60	100	100	10
2	AM	P.T-Mch	58	56	100		
3	OM	P.T-Cyl	58	59	100		
4	M.Y	P.T-Mch	59	58	98		
5	AM	M-A-Gul	58	59	100		
6							
7							
8							

PART-B

B1. Workshops, Teaching-Learning-Evaluation Technology Programs, Faculty Development Programs: STTP (Short term training programs) attended, Online Certificate courses - 20 M

- 20 M

Programs: STTP (Short term training programs) attended, Online Certificate courses				
No	Program	Duration	Date & Place	Organized by
1	Advance in Mechanical Engg	2nd to 15th December	2nd to 15th December, Vijaynagar, PVP School	
2	Advanced AI tools	2 days	November 9 & 10 2021	Sasi, Hrudayapallicha
3	Research methodology manuscript	1 day	14th December 2021	SVET, Nandakumar
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/Powers presentations/Technical exhibitions etc outside the campus (A)	No of students won prizes (B)	percentage (B/A)*100	Average %	Self Assessment Marks
1	13	TD - I	1	—	7.7	7.7	5
2							
3							
4							
5							

For Merely Participation = 5
For winning prize = 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 exam (A)	No of students passed (B)	Pass percentage (B/A)*100	Average %	Self Assessment Marks
1	13	TD - I	13	6	46.15	43.22	—
2	13	TD - II	13	4	30.76		
3							
4							
5							

>= 70 = 10
>= 65 & < 70 = 8
>= 60 & < 65 = 6
>= 50 & < 60 = 4
< 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)
15	20	10	45	20	—	5	0	20	70

C. Additional responsibilities in the Department / College:

S. No	Responsibility	Assigned by	Duration	Outcome
1	Department CG-NBA coordinator	HOD	1 year	
2	Department CG-NBA coordinator	HOD	11	
3	Sports and Games Cell member	HOD	11	
4	Anti-Begging cell member	HOD	11	
5	Transport cell member	HOD	11	
6	Student Counselling/Admission cell member	HOD	11	
7	Training & placement cell member	HOD	11	
8	Industry & Institute Teacher cell member	HOD	11	
9	General maintenance member	HOD	11	
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	Workshop/ STTP/EDP/ Online course (20M)	Research Publications and Academic Contributions (10M)	Practicing Students Average Value additions % (10M)	Practicing Students Average pass % (10M)	Sum of B	Total out of (100M)

Remarks of the HOD:

1. Academic performance is good
2. improve research work.


Signature

Remarks of the Principal:

Good need to continue R.D.


Signature
The 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

1. one-one interaction
2. 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 with self appraisal score greater than 60
- Corrective action for self appraisal score less than 50.



Cash Award for Best Performance



Sample Appreciation Certificates

DEBIT VOUCHER
SRI VASAVI INSTITUTE OF
ENGINEERING & TECHNOLOGY (SVIET)
NANDAMURU, PEDANA MANDAL, KRISHNA DIST. - 521 369 (A.P.)

V.No. _____ Date 14/03/2025

Debit

PARTICULARS	AMOUNT	
	Rs.	Ps.
Incentive for Faculty achievements D. Kiran Babu, Asst professor in Department of Mechanical Engineering	17,000/-	
Total Rs.	17,000/-	

Received 17,000/- Rupees
Counten thousand Rupees only
Signature _____
Accountant _____
Correspondent _____

B. Its implementation and effectiveness (20)

Steps for rewarding faculty based on self-appraisal score

S.No	Criteria	Marks
1	Student feedbak	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

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	10000
2	Self-appraisal score > 70 & Pass Percentage 100%	7000
3	Self-appraisal score > 70 & Pass Percentage 95% & 30% of students get top 3 Grades	5000
4	Self-appraisal score > 70 & Pass Percentage 90% & 30% of students get top 3 Grades	4500
5	Self-appraisal score > 70 & Pass Percentage 80% & 30% of students get top 3 Grades	4000
6	Self-appraisal score > 70 & feedback > 90%	Appreciation certificate

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 10000/- 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.

Effectiveness	2023-24	2022-23	2021-22
Award/Reward	5	4	2
Corrective measures	1	2	2



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

Total Marks 10.00

Visiting /Adjunct Emeritus Faculty etc.

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	02	55
2023-24	02	58
2024-25	02	62

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
1	Mr. Ch. V. Naga Raju	Assistant Executive Engineer	Dr. M V R R T P P, APGENCO	30	Thermal Engineering - II	PO1,PO3,PO4,PO1
2	Mr. K. Kalyan Kumar	Sr. Engineer	AXISCADES, Hyderabad	32	Manufacturing processes	PO1,PO3,PO4,PO

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	
1	Mr. K. Kalyan Kumar	Sr. Engineer	AXISCADES, Hyderabad	28	Production Technology	PO1,PO3,f
2	Mr. Ch. V. Naga Raju	Assistant Executive Engineer	Dr. M V R R T P P, APGENCO	30	Thermal Engineering - II	PO1,PO3,P

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
1	Mr. Ch. V. Naga Raju	Assistant Executive Engineer	Dr. M V R R T P P, APGENCO	27	Thermal Engineering - II	PO1,PO3,PO4,PC
2	Mr. K. Kalyan Kumar	Sr. Engineer	AXISCADES, Hyderabad	28	Production Technology	PO1,PO3,PO4,PC

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

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	Thermal Engineering Lab	3	1. 4 Stroke diesel engine cut section model 2. Stroke petrol engine cut section model 3. Single cylinder 4 stroke petrol engine test rig with variable compression ratio head. 4. Multi cylinder 4 stroke petrol engine test rig 5. Single cylinder 4 stroke diesel engine test rig with retardation equipment 6. Single cylinder 4 stroke diesel engine test rig with eddy current dynamometer 7. 2 stage air compressor 8. Models of Bobcock Wilcox and boiler 9. Programmable logic control trainer kit 10. Lift control module	83.33%			
					Syed Ibrarrahim	Technician	DME
2	Fluid mechanics & hydraulic machines lab	3	1. Apparatus for verification of Bernoulli's theorem 2. Calibration of venture and orifice meter 3. Determination of loss of head due to sudden contraction and friction factor in a given pipe 4. Equipment for determination of flow through notches 5. Francis turbine 6. Impact of jet on vanes 7. Performance test on reciprocating pump 8. Performance test on multistage centrifugal pump 9. Performance test on single stage centrifugal pump 10. Performance test on pelton wheel with oil seal pump 11. Turbine flow meter	83.33%			
					S Venakata Sai	Technician	B.Tech
3	Production Technology Lab	3	1. Wood working lathe machine 2. Spot welding equipment 3. Manual metal arc welding equipment 4. Gas welding equipment 5. Spot welding equipment 6. Electrical furnace 7. Injection molding 8. Blow molding 9. Universal sand tester 10. Permeability apparatus 11. Sand molding equipment 12. Fly Press	83.33%			
					K Srinivas	Technician	DME
4	Engineering Workshop	1	1. Carpentry vices 2. Bench vices 3. Impellers (black smithy furnace fans) 4. Bench grinder 5. Shearing machine 6. Swage block 7. Anvil 8. Portable drilling machine 9. Chisels 10. Hammers 11. Test panel boards 12. Furnaces for Black smithy	83.33%			
					Syed Ibrarrahim	Technician	DME
5	Machine Tools Lab	3	1. Lathe machines 2. All geared lathe 3. Shaping machine 4. Slotting machine 5. Surface grinding machine 6. Universal gear head milling machine 7. Portable Cut off saw	83.33%			
					K Srinivas	Technician	DME

6	Mechanics of Solids & Metallurgy Lab	3	1. Analog torsion testing machine 2. Electronic universal testing machine with attachments 3. Hand operated spring testing machine 4. Impact testing machine 5. Rockwell cum Brinell hardness tester 6. Binocular microscope with co-axial & lieca optics 7. Dry and wet Linisher 8. Muffle Furnace 9. Specimen mounting press 10. Jominy End Quench apparatus 11. Double disc polishing machine 12. CNC XL Turn	83.33%			
					K Lokesh Babu	Technician	DME
7	Heat Transfer Lab	3	1. Boiling point / Critical heat flux apparatus 2. Condensation (Drop wise & Film wise) apparatus 3. Demonstration of Heat pipe apparatus 4. Forced convection apparatus 5. Pin – fin apparatus 6. Heat exchanges (Parallel & Counter flow) 7. Natural convection apparatus 8. Emissivity measurement apparatus 9. Stefan- Boltzmann's apparatus 10. Metal rod apparatus 11. Composite wall apparatus 12. Lagged pipe apparatus	83.33%			
					S Venkata Sai	Technician	B Tech
8	Theory of Machines Lab	3	1. Whirl speed of shaft- Theoretical method 2. Universal Governor Apparatus 3. Motorized Gyroscope 4. Static and dynamic balancing apparatus 5. Fly wheel apparatus 6.Crank slider bar mechanism 7.Friction between belt and pulley apparatus	83.33%			
					K Lokesh Babu	Technician	DME

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	Carbon Residue Test Apparatus	Heating Power: 1500W Voltage: 220V Driven Type: Electric	To measure the amount of carbonaceous residue remaining after evaporation of oil.	III, IV Year students	Fuels, I.C Engines	PO1,PO2, PO3,PO9,PO10,PO12 PSO1
2	Vapor Compression Refrigeration Test Rig	Capacity: 500 Watt at rated test conditions, Compressor: Hermetically sealed. Condenser: Forced convection Air cooled condenser. Refrigerant – R-134a	To study vapor compression cycle and to calculate COP.	II,III, IV year Students	Refrigeration & Air conditioning	PO1, PO2, PO3, PO4,PO9,PO10, PO12, PSO1
3	Water Cooler Test Rig	Capacity: 40 liters, Compressor: Hermetically sealed Equivalent. Condenser: Forced convection Air cooled condenser. Refrigerant – R-134a	To study Refrigeration effect and calculate COP.	II,III, IV year Students	Refrigeration & Air conditioning	PO1,PO2,PO3,PO4,PO9,PO10,PO12, PSO1
4	Bernoulli's apparatus	Head 6 – 28mts Discharge – 3200 to 750 Lph Power 370w/0.5hp	To study Bernoulli's applications	II,III, IV year Students	Fluid Mechanics	PO1,PO2,PO3,PO4,PO9,PO10,PO12, PSO1
5	Notch apparatus	Size 25x25mm Head 6 – 28mts Discharge – 3200 to 750 Lph Power 370w/0.5hp	Flow throw channel	II,III, IV year Students	Fluid Mechanics	PO1,PO2, PO3, PO4,PO9,PO10,PO12,PSO1

6.3 Laboratories: Maintenance and overall ambiance (10)

Total Marks 10.00

Maintenance and overall ambience (10)**Maintenance**

1. Regular checkup of equipment is carried out at the end of every day by the lab technical staff.
2. Preventive maintenance is carried out to reduce the possibility of breakdown.
3. Breakdown register is maintained in the laboratories.
4. As per the requirement minor repairs are carried out by the lab technical staff.
5. Major repairs are outsourced.

Ambience

1. Department has Full furnished State of Art laboratories with well-equipped equipment which Shall cater to UG course as per curriculum requirements.
2. Conditions of chairs/benches are in good condition.
3. Department has experienced faculty to educate them in all the fields of engineering.
4. Laboratories are conducted every week as per the university curriculum.
5. Laboratory manual are distributed to students.
6. Lighting system is very effective in every room.
7. Each Lab is equipped with white/black board.
8. Exclusively, a project lab has been provided for the students to carry out their mini and major project work.

**Engineering Workshop****Machine Tools Lab****Mechanics of Solids & Metallurgy Lab****Production Technology lab**



Heat Transfer Lab



Thermal Engineering lab



Fluid mechanics Lab




Theory of machines lab

Lab Details:


S.No	Name of the lab	Area in Sq.m
1	Thermal engineering	80.79
2	Production technology	81.37
3	Machine tools	171.5
4	Mechanics of Solids & Metallurgy Lab	171.5
5	Engineering Workshop	142.65
6	Fluid mechanics & hydraulic machines lab	83.12
7	Heat Transfer	116.3
8	Theory of Machines	116.3


Thermal Engineering laboratory occupancy time table:

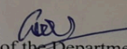

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Mechanical Engineering
Thermal Engineering Lab -001
I Semester Academic Year: 2022-23

C317- Thermal Engineering Lab **III Year B.Tech. ME**
Occupancy Time Table

ROOM NO- 001					Block – II Room No - 001				
TIM E DAY	9:00 am To 9:50 am	09:50a m To 10:40a m	10:50a m To 11:50a m	11:50a m To 12:30p m	12:30pm To 1:20pm	1:20pm To 2:10 pm	2:10pm To 3:00pm	3:00pm To 3:50pm	3:50pm To 4:35pm
Mon									
Tue	LAB MAINTENANCE				L U N C H	TE LAB			
Wed									
Thu						TE LAB			
Fri									
Sat						LAB MAINTENANCE			


 Lab In-charge


 Time Table Coordinator


 Head of the Department

6.4 Project laboratories (5)

Total Marks 5.00

Project laboratory

1. The department is equipped with project laboratory with an area of 80.54 Sq.m.
2. Project laboratory is equipped with Arc welding transformer.
3. Student project models are displayed in the project laboratory.



S No	Name of the Equipment	Quantity	Specifications	Make
1	Arc Welding Transformer	1	Amps 200,Sec-Volts 50/90, Cooling Air System	Kumar Arc Welding

**Student project models:**

S.No	Name of the model	Model description	Model purpose
1	360 degrees drilling machine	D.C motor, 4000 rpm, 12 volts, 2 mm dia drill bit.	To make drill hole horizontally, vertically and any direction.
2	Bullock cart	200x300 cm flat form with axle wheels, 500kg weight capacity	To carry loads up to 500kg.
3	Steam power generator	3v motor, 3v lead bulb and fan	Used to generate heat energy in to mechanical energy.
4	Humanoid Robotic arm Control	16x2 LCD module, 2.2V – 3.6V, 1024 Bytes, EEPROM	Used in office work, military tasks, hospitals and agriculture

5	Hump for Power Generation	6v motor, 3v lead bulb and impeller vanes	Used to generate mechanical energy in to electrical energy.
6	Solar screen	60X40 cm flat plate collector and 12V capacity	Used to generate solar energy in to electrical energy.



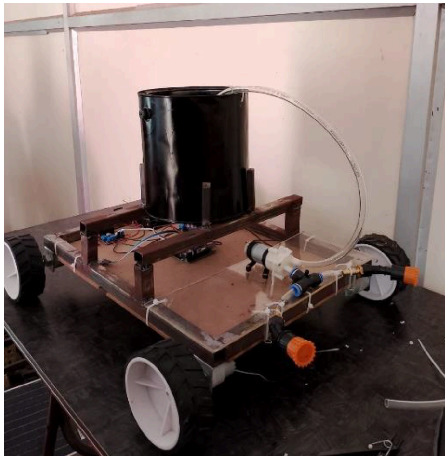
Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator



Bullock cart



Hump for Power Generation



Fabrication Of Chemical Spary Robot Operated With Android Mobile

List of Major Project done in this lab:

S.No	Roll No	Title of the Project	Name of the guide
1	21MQ5A0319	Fabrication of solar grass cutter using and android mobile	Ms. D. Khyathimai
	20MQ1A0325		
	20MQ1A0303		
	20MQ1A0326		
2	21MQ5A0306	Fabrication of smart solar scare crow	Mr. D. Kiran Babu
	21MQ5A0305		
	21MQ5A0318		
	20MQ1A0304		
3	21MQ5A0330	Fabrication of chemical spray robot operated with android mobile	Mr. V. Ravi
	21MQ5A0307		
	21MQ5A0317		
	20MQ1A0307		
4	21MQ5A0308	Fabrication & analysis of intelligent breaking system	Mr. T. Durga Prasad
	20MQ1A0314		
	20MQ1A0309		
	20MQ1A0315		
5	21MQ5A0325	Fabrication of floating and sun tracking solar panel monitoring	Mrs. K. Lakshmi Priya
	21MQ5A0302		
	20MQ1A0322		
	21MQ5A0304		
6	20MQ1A0311	Fabrication & analysis of solar based aerator & controller for aquaculture	Mr. K. Sukumar
	20MQ1A0324		
	20MQ1A0308		
	20MQ1A0301		
7	20MQ5A0307	Fabrication of solar based robotic arm controlled by android phone	Mr. D. Kiran Babu
	20MQ5A0324		
	20MQ5A0319		
	20MQ5A0313		

8	20MQ5A0330	Modeling, analysis and fabrication of eight legs walking robot	Mr. K.Sukumar
	20MQ5A0328		
	20MQ5A0322		
	19MQ1A0301		
	20MQ5A0325		
	20MQ5A0332		
	20MQ5A0335		
9	20MQ5A0310	Fabrication of alcohol detection and motor locking system by using arduino sensor	Ms. D Khyatimai
	20MQ5A0327		
	20MQ5A0316		
	20MQ5A0304		
10	20MQ5A0314	Fabrication of paddy threshing machine	Mr. K.Sukumar
	20MQ5A0331		
	20MQ5A0326		
	20MQ5A0301		
11	19MQ5A0323	Fabrication and analytical analysis of biogas digester	Mr. K Sukumar
	19MQ5A0330		
	19MQ5A0307		
	18MQ1A0314		
	19MQ5A0304		
	19MQ5A0333		
	19MQ5A0331		
12	19MQ5A0322	Modeling and fabrication of e – baby cradle system	Mr. K Sukumar
	19MQ5A0334		
	19MQ5A0315		
	19MQ5A0324		
13	19MQ5A0303	Fabrication and analysis of electromagnetic braking system	Mrs. Ch.Anusha
	19MQ5A0327		
	18MQ1A0311		
	18MQ1A0305		

6.5 Safety measures in laboratories (10)

Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Engineering Work Shop	1. General Rules of Conduct & Safety Rules are displayed. 2. First aid kit is provided. 3. Hand gloves, goggles are provided for Black Smithy. 4. Respiratory Masks Must Be Worn at All Times
2	Mechanics of Solids & Metallurgy Lab	1. General Rules of Conduct & Safety Rules in Laboratories are displayed. 2. Fire Safety Equipment 3. Avoiding the use of damaged equipment and providing needful equipment and components. 4. Hand gloves are provided for operating furnace
3	Production Technology Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. First aid kit is provided. 3. Welding Shield Should Be Taken Before Starting Welding and Soldering Operations. 4. Avoiding the use of damaged equipment and providing needful equipment and components. 5. Floor markings are provided for pedestrian safety
4	Thermal Engineering Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. First aid kit is provided 3. Rubber Mats, 4. Fire Extinguisher 5. Avoiding the use of damaged equipment and providing needful equipment and components. 6. Safety guard is provided for reciprocating air compressor. 7. Floor markings are provided for pedestrian safety
5	Fluid mechanics & hydraulic machines lab	1. General Rules of Conduct & Safety Rules are displayed. 2. First aid kit is provided 3. Proper Earth connection 4. Avoiding the use of damaged equipment and providing needful equipment and components. 5. Floor markings are provided for pedestrian safety
6	Machine Tools Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. First aid kit is provided. 3. Protecting guard is provided for belt drive in Planner machine. 4. Chip collecting tray is provided for lathe. 5. Protecting shield is provided for grinding machine. 6. Floor markings are provided for pedestrian safety
7	Heat Transfer Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. Proper Earth connection 3. Rubber Mats, 4. Avoiding the use of damaged equipment and providing needful equipment and components
8	Theory of machines Lab	1. General Rules of Conduct & Safety Rules are displayed. 2. Avoiding the use of damaged equipment and providing needful equipment and components 3. Fire Extinguisher 4. First aid kit

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	1.95	2.46	Target is attained
1. Plan to conduct activities like quiz and use of National Programme on Technology Enhanced Learning video lectures during teaching 2. Plan to conduct technical talks to increase engineering knowledge. 3. For better understanding of the basic concepts in core subjects, students are being taught lab experiments along with theory subjects. 4. Plan to arrange bridge courses before the semester beginning for first year students.			
PO 2 : Problem Analysis			
PO 2	1.95	2.40	Target is attained
1. Small task or project will be given to students to let them identify the problem and analyze it. 2. Assignments will be framed to increase the problem-solving capabilities further. 3. Additional contents are being taught apart from the syllabus to analyze complex problems. 4. Tutorials are given to students for solving more problems.			
PO 3 : Design/development of Solutions			
PO 3	1.95	2.04	Target is attained
1. Students will be encouraged to do industrial training and internships to enhance the ability to identify and formulate complex engineering problems. 2. Practical approach of teaching program is to be adopted 3. Projects will be given to students to increase their design capabilities. 4. Faculty is advised to give application-based assignments to students.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	1.95	2.00	Target is attained
1. Students will be motivated to do internships on using different technologies. 2. Some topics on research methodology should be added and expert talk should be arranged. 3. Presenting video lectures on complex investigations. 4. Content beyond/Additional experiments were included in laboratory courses.			
PO 5 : Modern Tool Usage			
PO 5	1.95	2.28	Target is attained
1. Students are encouraged to practice virtual labs so that their practical knowledge will be enhanced. 2. Workshops will be conducted to create awareness about the modern tools. 3. Certificate courses will be conducted to improve modern tool usage capabilities. 4. An Emerging Technologies like AI&ML Workshops will be conducted in the next academic year.			
PO 6 : The Engineer and Society			
PO 6	1.95	1.91	Target is not attained
1. To understand the safety concerns and social aspects, students were encouraged to visit industry to expand their practical knowledge with the effect of improved practices in engineering. 2. More project assignment is to be given related to societal causes/problem. 3. Students have to be given awareness of real-world problems so that they will be motivated to develop any application that will be useful for society. 4. Students will be encouraged to participate in Blood Donation Camps which was organized by NSS.			
PO 7 : Environment and Sustainability			
PO 7	1.95	2.11	Target is attained
1. Awareness programs should be conducted on understanding of roles and responsibilities of professionals towards society and environment. 2. Students are encouraged to indulge in projects, in which global and environmental issues are improved with respect to consumption of energy and utilization of renewable energy resources. 3. The issues of global and environmental awareness among the students are planned to be improved. 4. Students are encouraged to do NSS activities for environment sustainability.			
PO 8 : Ethics			
PO 8	1.95	2.53	Target is attained

1. Students will be made aware about the importance of ethics in engineering. 2. Students will be promoted to take responsibility of engineering project with accountability 3. Seminar on engineering ethics should be organized. 4. Students are made aware of concepts like Intellectual property rights and Plagiarism

PO 9 : Individual and Team Work

PO 9	1.95	2.36	Target is attained
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1. Encouraging the students to participate in conferences, seminars, and workshops. 2. Students were involved in teamwork, such as project work and the conduct of events. 3. Many student clubs are facilitated by institute to inculcate team work and leadership qualities in students. 4. Students are motivated to organize the events like Group Quiz, Social/Technical activities etc.

PO 10 : Communication

PO 10	1.95	2.03	Target is attained
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1. Students are to be trained for communication skills so that they can convey their ideas, which will be helpful for the society. 2. Essay writing and Elocution competition are conducted during students activities and college fest. 3. Students should be promoted to read English news papers and articles which should be made available at the library. 4. Students were guided for technical seminars and internship presentations to improve their communication skills.

PO 11 : Project Management and Finance

PO 11	1.95	2.13	Target is attained
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1. Training sessions will be planned to be conducted by industrial experts related to project management. 2. Project exhibitions will be held to encourage the students to exhibit their project management skills. 3. Plan to Conduct Guest lecture on Entrepreneurship for the students. 4. Students are motivated to participate in various technical events like Paper/Poster presentation, project competition etc.

PO 12 : Life-long Learning

PO 12	1.95	1.80	Target is not attained
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1. It is proposed to improve the attainment level in next academic year. 2. A technical talk on the Industrial robotics & Manufacturing process will be organised. 3. Students will be encouraged to register and complete online courses from Coursera, Udemy, Eduskills, ExcelR and NPTEL. 4. Students are encouraged to practice virtual labs so that their practical knowledge will be enhanced.

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
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PSO 1 : SKILLS FOR SUCCESSFUL CAREER: Able to apply engineering knowledge to get through the competitive examinations for employment/higher studies.

PSO 1	1.95	2.36	Target is attained
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1. Special Guest Lectures will be provided to improve their competitive skills to get through employment/higher studies entrance test. 2. Aptitude/Reasoning/technical skill trainings classes will be arranged. 3. Practicing of Competitive exam questions in tutorials.

PSO 2 : PROBLEM SOLVING SKILLS: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society

PSO 2	1.95	2.07	Target is attained
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1. Workshops will be conducted to improve various software packages 2. Internships will be encouraged 3. Training will be provided to improve their skills in using testing tools.

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
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 methodologies	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: registr@jntuk.edu.in

Phone: 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/01/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**

ORDER:

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 courses for 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	Sri Vasavi Institute of Engineering & Technology, Pedana (CC-MQ)	03-07-2023
Member 2 Dr.K. Ramu Professor of Civil Engineering, UCEK		
Member 3 Dr.G.P. Raju Assoc. Professor of Physical Education, UCEN		

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
JNTU 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

Placements Analysis A.Y 2021-22

S.No	Company Name	CTC in Lakhs	No of Placements	Core/IT/ITES
1	MEIL	2.4 LPA	1	CORE
2	SATVEN	3.33 LPA	1	IT
3	WIPRO	3.5 LPA	1	IT
4	WIPRO	3.5 LPA	1	IT
5	CADMAXX	3.6 LPA	1	CORE
6	CADMAXX	3.1 LPA	1	CORE
7	BHEEL	3.6 LPA	1	CORE
8	VALETH HIGHTECH COMPOSITES	2.95 LPA	1	CORE
9	CADMAXX	3.1 LPA	1	CORE
10	HYUNDAI MOTORS	7.3 LPA	1	CORE
11	DIVIS LABORATORY	2.4 LPA	1	CORE
12	CADMAXX	3.17 LPA	1	CORE
13	KIRBY BUILDING	2.5 LPA	1	CORE
14	MATERNA IPS INDIA PRIVATE LIMITED	2.4 LPA	1	CORE
15	CADMAXX	3.17	1	CORE
16	AADHYANTH TEXTILES INDIA PRIVATE LIMITED	4 LPA	3	CORE
17	CRIZTONE TECHNOLOGY PRIVATE LIMITED	4.2 LPA	3	CORE
18	NIYO FARM TECH PRIVATE LIMITED	3.6 LPA	2	CORE
19	ALIEN INNOVATIONS PRIVATE LIMITED	3.54 LPA	2	CORE

20	MANJHA TECHNOLOGIES PVT LTD	4.2 LPA	3	IT
	Total	65.36 LPA	28	
	Average CTC	3.44 LPA		

Placements Analysis A.Y 2022-23

S.No	Company Name	CTC in Lakhs	No of Placements	Core/IT/ITES
1	VIDAL INTERNATIONAL	1.98 LPA	28	CORE
	Total	55.44 LPA	28	
	Average CTC	1.98 LPA		

Placements Analysis A.Y 2023-24

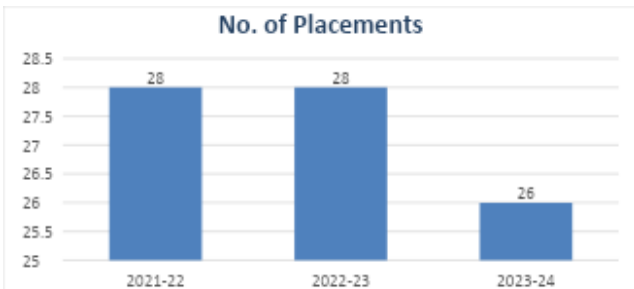
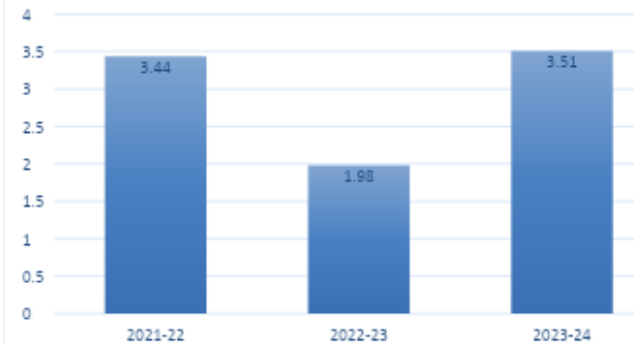
S.No	Company Name	CTC in Lakhs	No of Placements	Core/IT/ITES
1	SURYATECH SOLUTIONS	2.93	4	IT
2	GLOBAL LOGIC	2.2	1	IT
3	BHARAT ELECTRONICS LIMITED	3.6	3	CORE
4	INDRO SOLUTIONS	2.26	1	IT
5	SRI RAGAVENDRA TECHNOLOGIES	2.2	1	CORE
6	CCL FOOD ON BEVARAGES LIMITED	2.58	1	CORE
7	AADHYANTH TEXTILES INDIA PRIVATE LIMITED	4	1	CORE
8	CRIZTONE TECHNOLOGY PRIVATE LIMITED	4.2	1	CORE
9	UPSTARTIX INNOVATIONS PRIVATE LIMITED	3.6	9	CORE
10	NIYO FARM TECH PRIVATE LIMITED	4	2	CORE

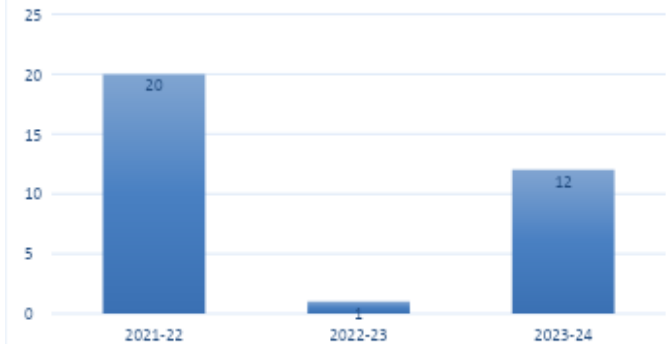
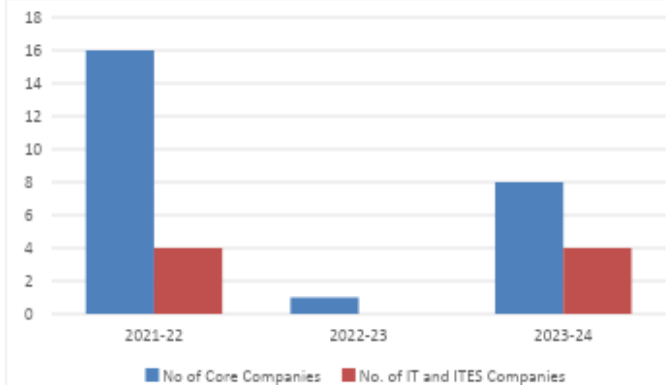
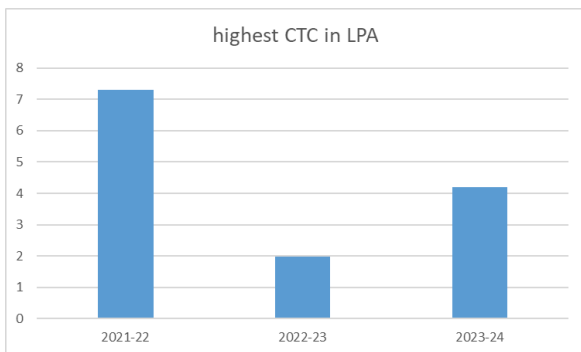
11	ALIEN INNOVATIONS PRIVATE LIMITED	3.54	1	CORE
12	MANJHA TECHNOLOGIES PVT LTD	3.54	1	IT
	Total	38.65 LPA	26	
	Average CTC	3.51 LPA		

SUMMARY

A. Y	No. of Companies Recruited	Avg CTC P.A	No. of Placements	No of Core Companies	No. of IT and ITES Companies
2021-22	20	3.44	28	16	4
2022-23	1	1.98	28	1	0
2023-24	12	3.51	26	8	4

Placement Assessment and Trends

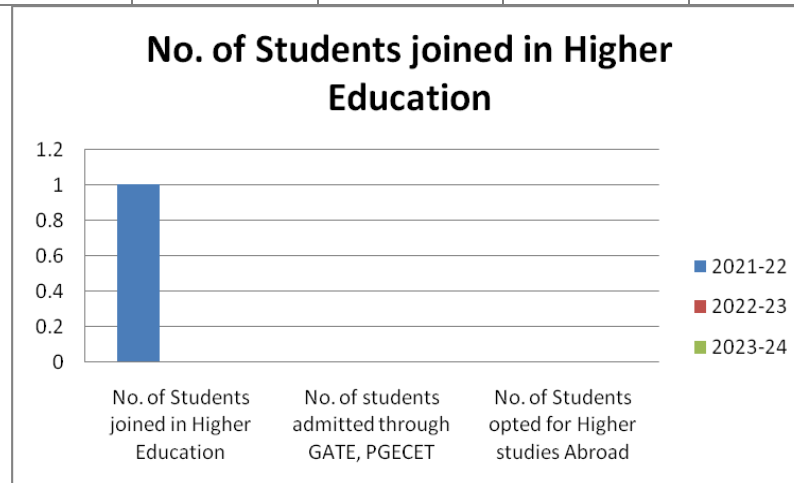
SNO.	Representation	Trend Description
1.	 <p>The bar chart displays the number of placements for three academic years. The x-axis represents the academic years (2021-22, 2022-23, 2023-24) and the y-axis represents the number of placements, ranging from 25 to 28.5. The bars show 28 placements for 2021-22, 28 placements for 2022-23, and 26 placements for 2023-24.</p>	Placement opportunities decreased due to recession in the market.
2.	 <p>The bar chart displays the Average CTC for three academic years. The x-axis represents the academic years (2021-22, 2022-23, 2023-24) and the y-axis represents the Average CTC, ranging from 0 to 4. The bars show 3.44 for 2021-22, 1.98 for 2022-23, and 3.51 for 2023-24.</p>	Average Ctc is observed to be decreased as no of placements are decreased

3	 <table><thead><tr><th>Academic Year</th><th>No. of Companies</th></tr></thead><tbody><tr><td>2021-22</td><td>20</td></tr><tr><td>2022-23</td><td>1</td></tr><tr><td>2023-24</td><td>12</td></tr></tbody></table>	Academic Year	No. of Companies	2021-22	20	2022-23	1	2023-24	12	Decrease in companies recruited in the academic year 2022-23 due to recession in the market.				
Academic Year	No. of Companies													
2021-22	20													
2022-23	1													
2023-24	12													
4	 <table><thead><tr><th>Academic Year</th><th>No. of Core Companies</th><th>No. of IT and ITES Companies</th></tr></thead><tbody><tr><td>2021-22</td><td>16</td><td>4</td></tr><tr><td>2022-23</td><td>1</td><td>0</td></tr><tr><td>2023-24</td><td>8</td><td>4</td></tr></tbody></table>	Academic Year	No. of Core Companies	No. of IT and ITES Companies	2021-22	16	4	2022-23	1	0	2023-24	8	4	Considerable difference is observed between Core and IT based Companies in the recruitment process.
Academic Year	No. of Core Companies	No. of IT and ITES Companies												
2021-22	16	4												
2022-23	1	0												
2023-24	8	4												
5	 <table><thead><tr><th>Academic Year</th><th>highest CTC in LPA</th></tr></thead><tbody><tr><td>2021-22</td><td>7</td></tr><tr><td>2022-23</td><td>2</td></tr><tr><td>2023-24</td><td>4</td></tr></tbody></table>	Academic Year	highest CTC in LPA	2021-22	7	2022-23	2	2023-24	4	decrease in highest CTC in Academic Year 2022-23 due to recession in the market				
Academic Year	highest CTC in LPA													
2021-22	7													
2022-23	2													
2023-24	4													

7.3.2 Higher Studies Details:

S no.	Academic Year	No. of Students joined in Higher Education	No. of students admitted through GATE, PGECET	No. of Students opted for Higher studies Abroad
1	2021-22	1	0	0

2	2022-23	0	0	0
3	2023-24	0	0	0



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 APEAMCET	No of students admitted	1	57	6
	Opening Score/Rank	137162	134196	0
	Closing Score/Rank	137162	142287	0
Name of the Entrance Examination for Lateral Entry or lateral entry details APECET	No of students admitted	0	3	3
	Opening Score/Rank	0	380	3049
	Closing Score/Rank	0	5888	6045
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		78	51	129

8 FIRST YEAR ACADEMICS (50)

Total Marks 38.17

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. 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	
D.Lakshmi	EFHPD2679G	M.Sc	28/04/2017	Chemistry	Assistant Professor	29/12/2017	100	100	100	Yes	Regular	
V.Tejaswi	CKKPV9204R	M.Sc	30/04/2022	Physics	Assistant Professor	01/06/2022	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	
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	
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	07/10/2009	100	100	100	Yes	Regular	
SK.Hidayatulla	BZQPS9234Q	MA	30/04/2005	English	Assistant Professor	06/06/2012	100	100	100	Yes	Regular	
Y.V.R.D.N.Sarā	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	

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 Mohai	APZPM1633B	M.Tech	30/11/2013	CSE	Assistant Professor	09/06/2022	100	100	100	Yes	Regular	
P.Vijaya Kanth	CVFPP3551D	M.Tech	30/07/2019	MECHANICAL	Assistant Professor	10/06/2022	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.Raghur	ANUPA7595F	M.A and Ph.D	09/03/2021	English	Professor	06/05/2008	100	100	100	Yes	Regular	
Dr.N Swamy K	BUAPK0006R	M.SC. (Mathematics) and PhD	07/01/2022	Mathematics	Professor	01/08/2022	100	100	100	Yes	Regular	
P.Rambabu	BURPP8901K	M.Sc	30/11/2005	Physics	Assistant Professor	16/05/2016	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.Srikanth	DFAPP4592L	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 1.17
Institute Marks : 1.17

Academic Performance	2024-25	2023-24	2022-23
Mean of CGPA or mean percentage of all successful students(X)	4.79	0.00	4.28
Total Number of successful students(Y)	3.00	6.00	22.00
Total Number of students appeared in the examination(Z)	57.00	6.00	29.00
API [X*(Y/Z)]	0.25	0.00	3.25

Average API[(AP1+AP2+AP3)/3] : 1.17

Assessment [1.5 * Average API] : 1.17

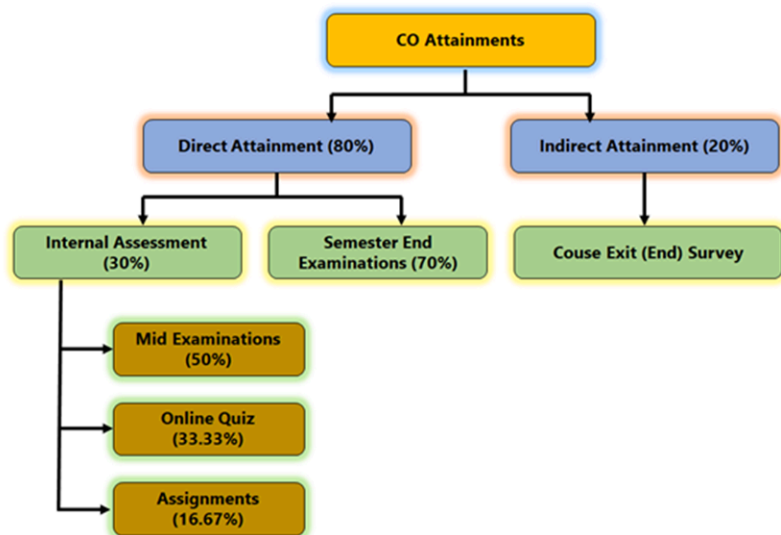
8.4 Attainment of Course Outcomes of first year courses (10)

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



A. List of assessment processes (1)

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 every semester. 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 Weight age
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% of Maximum 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% of Maximum mark	3: >60% students 2: 40-60% students 1: 20-40% students 0: <20% students	30%

		SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY (A)									

Indirect Attainment for subjects

Overall course attainment = $0.8 \times \text{Direct attainment} + 0.2 \times \text{Indirect attainment}$.

Course End Survey (Lab):

B.Course outcomeAssessment for Laboratory courses

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% of Maximum 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% of Maximum 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)	0.3	0.9	0.9	0.3	0.3					0.54
2	C112(LA&C)	1	1.5	0.9	0.3	0.3					0.80
3	C113(BEEE)	0.9	0.9	0.3	1.6	0	0	0	0		0.46
4	C114(EG)	1.3	0.6	1.3	1.3	1.3					1.16
5	C115(IP)	1	1.3	1.6	1.6	0.6					1.22
6	C116(ITWS)	3	3	3	3	3					3.00
7	C117(EP LAB)	1.64	1.95	1.95	2.4	2.3					2.05
8	C118(EEEWS)	3	3	3	3	3	3	3	3		3.00
9	C119(CP LAB)	3	3	3	3	3					3.00
10	C11A(NSS)	3	3	3	3	3					3.00
11	C121(ENG)	0.3	0.9	0.9	0.3	0.3					0.54
12	C122(EC)	1	0.3	0.3	0.3	0.3					0.44
13	C123(DEVC)	0.9	0.9	0.9	0.3	0.3					0.66
14	C124(BCME)	1.47	0.88	0.36	1.3	0.99	1.17	1.48	1.54	0.87	1.47
15	C125(EM)	1.6	1.6	1.6	1.6	0.9					1.46
16	C126(ELCS LAB)	3	3	3	3	3					3.00
17	C127ECLAB	3	3	3	3	3					3.00
18	C128EWS	2.76	2.78	2.74	2.57						2.71
19	C129EMLAB	3	2.82	2.93	3						2.94
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
4	C114(EG)	3	3	3	3	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
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(EC)	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
15	C125(EM)	3	3	3	3	3					3
16	C126(ELCS LAB)	3	3	3	3	3					3
17	C127ECLAB	3	3	3	3	3					3
18	C128EWS	3	3	3	3						3
19	C129EMLAB	3	3	3	3						3
20	C12A(H&Y)	3	3	3	3	3					3

Overall Course Attainments**2023-2024**

S.NO	COURSE	Direct Attainment	Indirect Attainment	Overall Attainment	Target	Attained (Y/N)
1	C111(ENG)	0.54	3	1.03	1.8	N
2	C112(CHEM)	0.80	3	1.24	1.8	N
3	C113(L&AC)	0.46	3	0.97	1.8	N
4	C114(BCME)	1.16	3	1.53	1.8	N
5	C115(IP)	1.22	3	1.58	1.8	N
6	C116(CHEMLAB)	3.00	3	3.00	2.4	Y
7	C117(ELCS LAB)	2.05	3	2.24	2.4	N
8	C118(EWS LAB)	3.00	3	3.00	2.4	Y
9	C119(CP LAB)	3.00	3	3.00	2.4	Y
10	C11A(H&Y)	3.00	3	3.00	2.4	Y
11	C121(EP)	0.54	3	1.03	1.8	N

12	C122(DEVC)	0.44	3	0.95	1.8	N
13	C123(BEEE)	0.66	3	1.13	1.8	N
14	C124(EG)	1.47	3	1.78	1.8	N
15	C125(ITWS)	1.46	3	1.77	1.8	N
16	C126(DS)	3.00	3	3.00	1.8	Y
17	C127(EPLAB)	3.00	3	3.00	2.4	Y
18	C128(DSLAB)	2.71	3	2.77	2.4	Y
19	C129(EEEWS)	2.94	3	2.95	2.4	Y
20	C12A(NSS)	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 each 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	1.43	1.02	PO3	0.68	1.02	PO6	PO7	PO8	1.02	PO10	PO11	PO12
C112	1.86	1.24	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.62
C113	1.31	1.47	PO3	PO4	PO5	1.23	0.82	0.98	0.49	PO10	PO11	0.49
C114	2.3	1.53	2.3	PO4	0.77	PO6	PO7	PO8	PO9	PO10	PO11	0.77
C115	1.45	1.63	1.93	1.45	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.45
C116	3	3	2.69	2.69	PO5	2.69	PO7	PO8	3	3	PO11	PO12
C117	2.24	1.12	PO3	2.24	2.24	PO6	PO7	PO8	3	PO10	PO11	PO12
C118	3	2.31	2.31	PO4	2.31	PO6	2.31	3	3	3	PO11	3
C119	3	2.5	2.5	2.5	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C11A	PO1	PO2	PO3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	3
C121	PO1	PO2	PO3	PO4	PO5	PO6	PO7	1.03	1.2	1.03	PO11	1.37
C122	0.71	0.95	0.95	PO4	PO5	1.07	1.11	PO8	PO9	PO10	PO11	PO12
C123	1.7	1.13	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.57
C124	2.36	2.66	1.77	PO4	2.21	2.21	1.47	1.77	0.89	PO10	PO11	0.89
C125	2.09	1.93	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.29
C126	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2.5	2.5	2.5	PO11	3
C127	2.4	2.4	PO3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	PO12
C128	3	2.46	PO3	PO4	PO5	PO6	PO7	PO8	2.46	2.46	PO11	PO12
C129	3	2.97	PO3	PO4	PO5	PO6	PO7	PO8	2.97	1.48	PO11	1.48
C12A	PO1	PO2	PO3	PO4	PO5	3	3	PO8	PO9	PO10	PO11	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	1.81	1.78	1.75	1.62	1.89	2.8	3	1.88	1.64	2.03	2.10	1.98
Direct Attainment	2.16	1.89	2.02	1.86	1.92	2.38	2.21	1.86	2.02	2.21	2.10	1.64
CO Attainment	2.16	1.89	2.02	1.86	1.92	2.38	2.21	1.86	2.02	2.21	2.10	1.64

PSOs Attainment:

Course	PSO1	PSO2
C111	PSO1	PSO2
C112	PSO1	PSO2
C113	PSO1	PSO2
C114	PSO1	PSO2
C115	PSO1	1.58
C116	PSO1	PSO2
C117	PSO1	PSO2
C118	PSO1	PSO2
C119	PSO1	3
C11A	PSO1	PSO2
C121	PSO1	PSO2
C122	PSO1	PSO2
C123	PSO1	PSO2
C124	PSO1	PSO2
C125	PSO1	PSO2
C126	PSO1	PSO2
C127	PSO1	PSO2
C128	PSO1	PSO2
C129	2.37	3
C12A	PSO1	PSO2
PSO Attainment	2.37	2.53

PSO Attainment Level

Course	PSO1	PSO2
Direct Attainment	2.37	2.53

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 attained
1.Bridge course were conducted before the commencement of first year to enhance the prerequisite knowledge in Engineering. 2.Remedial classes for weak students 3.Conducted problem oriented tutorial classes. 4.For better understanding of the basics concepts in core subjects, students are being taught lab experiments along with the theory subjects.			
PO 2 : Problem Analysis			
PO 2	2.10	1.89	Target Not attained
1.To give more Tutorial problems to improve understanding of subjects. 2.Conducted Tutorial sessions to solve Engineering problems. 3.Assignments will be framed to increase the problem-solving capabilities. 4.Increase the problem-solving capabilities by giving the home the needed writing work on subjects M1 and Physics.			
PO 3 : Design/development of Solutions			
PO 3	2.10	2.02	Target Not attained
1.To organize various Engineering fests and cultural events to make aware about cultural and social importance. 2.Motivate students to explore cutting-edge technologies.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.10	1.86	Target not attained
1.Encouraged to participate in seminars 2.Assigned some extra problems to students and ask them to solve in tutorial. 3.Students will be motivated to participate in national and international conferences. 4.It is proposed to increase the target level in the next academic year.			
PO 5 : Modern Tool Usage			
PO 5	2.10	1.92	Target Not attained
1.Students are encouraged to use design thinking approach for providing alternate solutions to selected Engineering problems. 2.Workshops will be conducted to improve modern tool usage capabilities.			
PO 6 : The Engineer and Society			
PO 6	2.10	2.38	Target attained
1.Expert sessions on professional ethics 2. Expert sessions on duties and responsibilities in the society. 3.Students will be encouraged to participate in a hackathon to solve problems related to societal needs. 4.To motivate the students to enroll in community services units like NSS.			
PO 7 : Environment and Sustainability			
PO 7	2.10	2.21	Target attained
1.Conducted social service activities as a part of NSS 2.Conducted sessions on sustainable Engineering. 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	1.86	Target Not attained
1.Students are motivated and made aware about Engineering profession and importance of Honesty 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.Educate students about the importance of maintaining ethics.			
PO 9 : Individual and Team Work			
PO 9	2.10	2.02	Target not attained

1.Conducted team based social service activities 2.Students are encouraged to participate in Group activities as a member of leader. 3.Encouraging to participate in Techfests and Hackathons. 4.: Encouraging the students to participate in conferences, seminars, and workshops.

PO 10 : Communication

PO 10	2.10	2.21	Target attained
-------	------	------	-----------------

1.Expert Lecture on communication skills. 2.Session 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	2.1	Target attained
-------	------	-----	-----------------

1.In Technical and management responsibility given to students in various technical events. 2.Training sessions have to be conducted by industrial experts.

PO 12 : Life-long Learning

PO 12	2.10	1.64	Target 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.

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
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PSO 1 : SKILLS FOR SUCCESSFUL CAREER: Able to apply engineering knowledge to get through the competitive examinations for employment/higher studies.

PSO 1	2.10	2.37	Target attained
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1.Planning to conduct online Guest Lecture about competitive Examinations for employment and Higher studies

PSO 2 : PROBLEM SOLVING SKILLS: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society

PSO 2	2.10	2.53	Target attained
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1.Expert sessions in problem solving skills

9 STUDENT SUPPORT SYSTEMS (50)

Total Marks 50.00

9.1 Mentoring system to help at individual level (5)

Total 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. Motivate and guide the students in all academic, co-curricular, and extra-curricular activities.
3. Mentors maintain records of mentees.
4. Collect information regarding weak students from the subject teachers on the basis of their 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.

1. Student Reg. No.	: 23M01A0303
2. Name of the Student	: UMESH AMBATI
3. Branch	: M.ECH
4. Sex: Male / Female	: Male
5. RH Category	: A
6. Father's Name	: A. Suresh Kumar
7. Mother's Name	: A. Rajani
8. Occupation of Father	: Tailor
9. Occupation of Mother	: Housewife
10. Guardian Name (if any)	:
11. Percentage of Marks	:
a) 10 th class	:
b) IPE / Diploma	:
12. EAMCET/ECET Rank	: 134196
13. Contact Address	: Valandapalem, 16-415(1) Kothilipattanam, Krishna, Andhra Pradesh
14. Permanent Address	: VALANDAPALEM, 16-415(1) Kothilipattanam, Krishna, Andhra Pradesh
15. Father Mobile No.	: 7075010852
16. Mother Mobile No.	: 7801090152
17. Guardian Mobile No.	:
18. Student Mobile No.	:
19. Email Id of Father (or) Mother	:
20. Email Id of Student	: Ambati.umesha293@gmail.com

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

Signature of the student	Signature of the Father	Signature of the Mother	Signature of the Guardian

Responsibilities of Mentors:

- 1) Regular Monitoring of attendance of student
- 2) Monitoring the academic performance of student
- 3) Problem identification and suggestions in that regard
- 4) Counseling students on continuous basis
- 5) Informing the HoD concerned, if necessary about the lacunae identified
- 6) Informing parents about their ward's absentism, indiscipline and poor academic performance if any
- 7) Improving the academic performance of students by taking necessary measures
- 8) Proper Maintenance of records for all the above.

STUDENT PREVIOUS ACHIEVEMENTS

1. Scholarships / Awards:

Sl.No.	Scholarships/Awards
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

(Note: Copies of support documents to be submitted to the mentor)

2. Co-Curricular Achievements:

Sl.No.	Co-Curricular Achievements
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

(Note: Copies of support documents to be submitted to the mentor)

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

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.

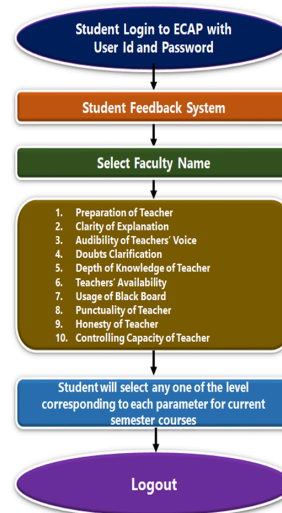


Figure 9.2.1: A Flow Chart for Student Feedback Processing Steps in ECAP (Online)

The screenshot shows the 'FEEDBACK' form in the ECAP system. The form is titled 'FEEDBACK' and includes a 'MENU' on the left with options like 'ACADEMIC CALENDAR', 'ASSIGNMENTS REPORT', 'BOOKS', 'CHANGE HOME PAGE', 'CLASS ASSIGNMENTS', 'COMPLAINTS/SUGGESTION', 'COURSE SCHEDULE', 'FEEDBACK', 'LIBRARY BOOKS', 'MARKS', 'PROFILE', 'PROJECT SEARCH', 'RESOURCES', 'TIME TABLE', and 'TOPICS COVERED'. The main form area contains a table for feedback parameters and a table for faculty members.

PARAMETER	EXCELLENCE-4	GOOD-3	AVERAGE-2	POOR-1
1. Does the teacher come prepared on lessons?				
2. Does the teacher present the lessons clearly and orderly?				
3. Does the teacher speak with the voice clearly and effective body language?				
4. Is the teacher capable of keeping the class under discipline and control?				
5. Does the teacher command students attention and give response to students doubts and questions?				
6. Does the teacher possess depth of knowledge in subject?				
7. Does the teacher show readiness to give assignments to improve the student?				
8. Is the teacher available outside class hours to clarify doubts if requested to by students?				
9. Does the teacher help the students to clear the doubts and guide them for the successful completion of the practical program?				
10. Does the teacher use the Black Board effectively?				
11. Is the teacher regular and punctual?				
12. Does the teacher come with neat dress and posture?				
13. Does the teacher insist on keeping the records up to date and neat?				
14. Does the teacher take interest in maintaining discipline anywhere in the college premises?				
15. Does the teacher remind you about your responsibility to the institution?				
16. Do you find the teacher unbiased and open minded in judgement?				
17. Do you find the teacher patient and considerate?				
18. Do you find the teacher impartial and honest in paper evaluation and personal remark making?				
19. Do you find the teacher inspiring in the class as well as outside?				
20. Do you find in the teachers a true friendly support with elderly affection?				

S.N.	NAME	MARKS	AVERAGE
1	CYPS & MOUNISA		
2	PRASHANT D.S.DASIA RAMESH		
3	DR K.LAKSHMI PREYA		
4	MR DR MO ARID ALI		
5	SS SHAKIL HADAYATULLAH		
6	TOH DUKYATHORAI		

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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Activate Windows

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 profess 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 minded 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
- GOOD
- NO REMARKS
- NO
- NO REMARKS
- NO
- NO

No.Of Students Posted	8
Total Percentage Awarded To The Faculty	98.00
Grade of Faculty	Excellent

*Excellent (4) : >=90 % *Good (3) : >=75 & <90%
 *Average (2) : >=60 & <75 % *Poor (1) : Below 60 %
 Formula: Total Obtained Points/(Max Points(1,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

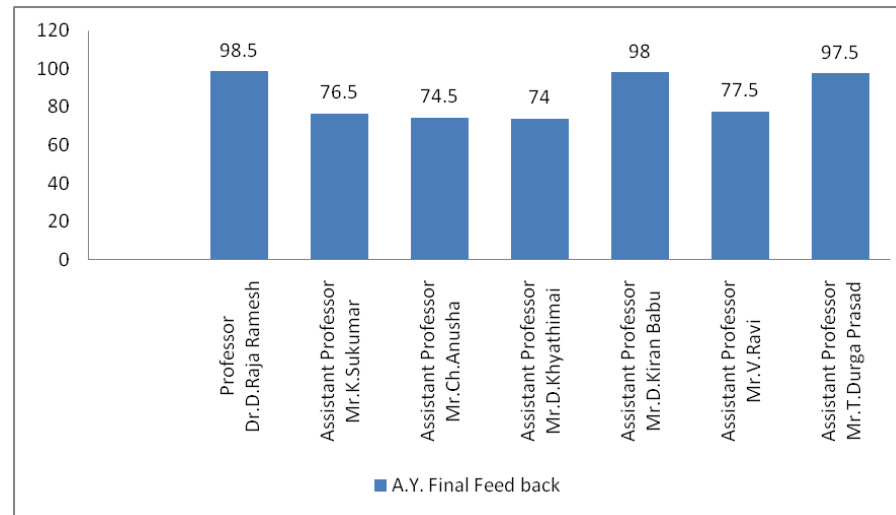


Figure 9.2.4: Faculty Feedback analysis for the academic year 2023-24

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 Year 2023-24

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 programmes' 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.

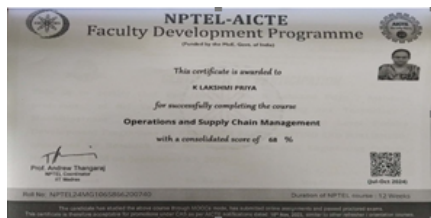
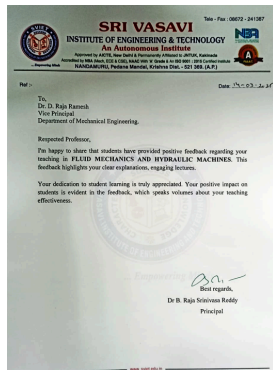


Fig 9.2.5: Sample Appreciation corrective Measures

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 MECHANICAL ENGINEERING

EXIT STUDENT FEEDBACK AY: 2023-2024

Student Name:

Student Regd. No:

Academic Year:

Batch:

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



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DEPARTMENT OF MECHANICAL ENGINEERING

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

Name of the Alumni:

Year of graduation:

Organization name:

Email:

Dear Alumni,

Branch:

Phone no:

Designation /Occupation:

Joined year:

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.	
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:		

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 design requirements for a given problem which are appropriate to its solution	
3	How are you capable to design, and/or techniques that contribute to the development of solutions	
4	How college provides opportunity in the decision-making process of your project	
5	Type of modern tools used in your project, labs.	
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	Skills For Successful Career: Ability to apply engineering knowledge to get through the competitive examinations for employment /higher studies.	
14	Problem Solving Skills: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society.	
Any Other suggestions:		

Signature of the Alumni



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**DEPARTMENT OF MECHANICAL ENGINEERING****PARENTS FEEDBACK FORM 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:	

S.No	Parameter	Score
1	How do you rate the Lab Infrastructure	
2	How do you rate the Transport facility	
3	How do you rate the Canteen in providing hygiene food	
4	How do you rate the Library and industry powered centre facilities available	
5	How do You rate correspondence made by institute about your ward	
6	Additional Information/Suggestions, if any:	

Signature (optional)



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DEPARTMENT OF MECHANICAL 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 organize/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	Housekeeping, 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	

	campus	
17	Library is well equipped with journals/e-journals/software's/database	
18	Good teaching aids/support for delivering the curriculum	
19	Lab facilities are up to the mark of the curriculum	
20	Enough internet/Wi-Fi facilities throughout the campus	
IV	POs	
21	Knowledge on engineering fundamentals is used in analyzing the problems at your workplace?	
22	Able to identify, formulate, research literature and analyses complex engineering problems?	
23	Good in designing the solutions for complex engineering problems and design system components at your workplace	
24	Ability to use the research-based knowledge, interpretations of data and synthesis of information to provide valid conclusions	
25	Ability to use modern tool usages	
26	Ability to apply reasoning informed by the contextual knowledge to the professional engineering practice	
27	Level of understanding the impact of the professional engineering solutions for sustainable development.	
28	Ethical principles and commitment towards the work	
29	Ability to work individually and to work with teams	
30	Level of communication among their team members and the officials	
31	Knowledge on understanding the management principles and implement them as an individual and as a leader	
32	Interest to upgrade their skills	
V	QUESTIONNAIRE - PSOs	
33	Ability to apply engineering knowledge to get through the competitive examinations for employment /higher studies.	
34	Exercise latest techniques,innovative methods and multi-disciplinary knowledge in solving engineering problems of industry and serve the society.	

DATE|

SIGNATURE

Figure 9.3.1: Screenshots 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.NO	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:

- 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.
- 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



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DEPARTMENT OF MECHANICAL 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	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,NSSetc

Figure 9.3.3: Feedback and action taken report for the academic year 2023– 24

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

S.No	Name of the Student	Roll No.	Designation
17	Kate Sudeepthi	24MQ5A0108	Student Member
18	Mohammad Rasheed	24MQ5A0112	Student Member
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	Nagiseti 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

S.No	Name of the Student	Roll No.	Designation
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
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,
- NPTEL has 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 to 8PM
2.	Library Hour included in Time Table
3.	NPTEL Video 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 & Knimbus 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	DELNET, NDL, Knimbus mLibrary Portal & NPTEL
2	EEE	2291	331	02	02	
3	MECH	3166	437	04	03	
4	ECE	3754	515	06	06	
5	CSE	4435	607	06	04	
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			

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
CENTRAL TIMETABLE :: Library											
A.Y:2023-24 SEM-I											
TIME DAY	9:00 AM to 09:50 AM	09:50 AM to 10:40 AM	10:50 AM to 11:40 AM	11:40 AM to 12:30 PM		1:20 PM to 2:10 PM	2:10 PM to 3:00 PM	3:00 PM to 3:50 PM	3:50 PM to 4:40 PM		
	1	2	3	4		5	6	7	8		
MON			I AIML	II Civil/III Mech		II CSE-A	III CSE-A	IV CSE-A			
TUE		I ECE B	III ECE B	I CSE D			III CSE-B	IV CSE-B			
WED		I CSE B	II ECE A			II CSE-B		IV AIML			
THU			II ECE B	I CSE C		II CSE-C	III ECE A	IV Mech			
FRI			I ECE A/Civil/Mech			I CSE A	III AIML	IV ECE A			
SAT							III Civil/IV Civil/III Mech/II AIML	IV ECE B			

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 the material 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

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
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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

SVI Vastu Institute of Engineering & Technology is pleased to offer the following Training Program to its students. These Training Programs have been designed by our Coordinators, and while being self-financed, are run on no-profit-no-loss basis.

<p>Soft Skills Training :</p> <ul style="list-style-type: none"> A rapid training program which covers the basic and interpersonal skills, and importance of Basic English Language, Aptitude Reasoning and Technical skills which will shape the student with the objective of placement in MNCs and access to competitive exams. An intensive training program which covers Personality development, concepts like health management, time management, Goal setting and Dream management which will shape the student with a competitive personality and enable him to succeed at the professional level. It helps the student how to become successful in group discussion and interview. <p>Pre-placement Training :</p> <p>This training includes main subjects</p> <ol style="list-style-type: none"> 1. Aptitude & Reasoning 2. Verbal 3. Technical Training 	<p>1. Aptitude and Reasoning :</p> <p>A 90 hour course spread over 4 semesters. A rapid training programme which will mould the student to inculcate logical thinking, reasoning, questioning, analysing and enhancing mathematical intelligence.</p> <p>2. Verbal Communication :</p> <p>A 90 hour course spread over 4 semesters. A rapid training program based on proficiency of English language structure exclusively related to grammar and syntax which are further applied to the concepts of eloquence and argumentative skills in English.</p> <p>A training of rudimentary English language applications such as Listening, Speaking, Reading and Writing which are foundational requirements that give a basic understanding of communicative ability in English at both personal and professional levels.</p> 	<p>3. Technical training</p> <p>A 90 hour course spread over 4 semesters. A rapid training which will build the advanced programming skills required for the competitive job market and effective projects at the professional level with the programming languages like C, C++, Java and Python Programming.</p> <p>Career Guidance :</p> <p>Various interactive sessions 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.</p> 
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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 1 st 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 1 st 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

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
2022 BATCH PLACEMENTS

Total Offers: 210 **Total Companies: 25**

Company	Stu.	LAKHS
TCS Digital	2	7
Wipro Turbo	7	6.5
Capgemini	25	4
TCS	15	3.6
Hexaware	8	4
Mindtree	8	4
Wipro	75	3.6
Infosys	33	3.6
Sopra Steria	2	6
Deloitte	1	6
Harman	5	5
Bosch	1	5
Persistent	2	4.7
DHL	4	4.5
Revature	4	4
IOPEX	1	4
NielsenIQ	1	3.6
Atos	2	3.4
Zessta	1	3
Tech Mahindra	1	3.25
JMAN Group	1	3
Siliconus	3	3
YUPP TV	2	3
IDS Interactive	7	2.16

The Saga Continues...

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 after 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
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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 (InterActive 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

PLACEMENTS : 2023 - 24

GlobalLogic
A Hitachi Group Company
46 STUDENTS GOT SELECTED AT
ASSOCIATE ANALYST ROLE WITH CTC **2.2 LPA**
18 students got selected
AIML and CSE students are selected for free Fullstack Developer Internship at ExcelR, Hyderabad. After successful completion of internship, they will be offered with a minimum package of **5LPA**

Suryatech Solutions, Hyderabad
48 students got selected with **2.88LPA**

TECHONA ENTERPRISES, Hyderabad
10 students got selected with **2.1LPA**

Ralle Technologies
25 Student-3to8LPA

techouts
4* Student-3to3.5LPA

SNOVASYS
1*Student-5 to 7 LPA
10*Students-2.4LPA

TalentServe
49 Student-3.5LPA

CONGRATULATIONS
TO THE CIVIL STUDENTS WHO GOT SELECTED IN VARIOUS CORE COMPANIES.

* Indicates Shortlisted

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
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

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
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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
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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

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	28mts x 15mts
2	Cricket net practice	1	100ft
3	Ball badminton	1	24mts x 12mts
4	Volley ball	3	18mts x 9mts
5	Throw ball (women)	1	60ft x 40ft
6	Kabbadi	2	13mts x 10mts
7	Kho-Kho	1	27mts x 16mts
8	Shuttle court	2	13.40mts x 6.10mts
9	Tennikoit court	2	12.20mts x 5.50mts

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 for academic Year 2024-25

S.NO	NAME OF THE EVENT	DATE	VENUE	PARTICIPATION
1	SHOTPUT	02-08-2024	SVIET GROUND	56
2	LONG JUMP	003-08-2024		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.
- To obtain formal permission from the College authorities to arrange program to decide the date, time and agenda of the program.
- To inform members of staff and students about the event to arrange the venue and logistics (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**Table 9.7.3.2 Events or Activities held by SAC Cell for academic Year 2023-24**

S.No	Date	Name of the Event	No of Participants	Venue
1	10-08-2023	Tiranga – District 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 INSTITUTE 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 VASVI 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.NSSvolunteersworktoensurethateveryonewhoisneedygetshelp toenhancetheirstandardof 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 and supplement the education of the university/college students by bringing them face to face with 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 intimately in 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.
- To assist and guide the NSS unit for implementation of NSS Programs at College 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 free medical camps for nearby villages.
- Organize Awareness programs on various issues, e.g. swachhta bharaat sanitation, pollution and environmental issues, social issues etc.,
- To promote Community education through meetings, talks, news bulletins, Discussions etc.,

Annual NSS Camps

- Annual Camps are held annually, funded by the government of India, and are usually located in a rural village or a city sub Urban. Volunteers may be involved in such Activities as:
- Cleaning & afforestation
- Stage shows or a procession creating awareness of such issues as social problems, education and cleanliness.
- Inviting doctors for health camps
- Crowd regulation during festival season
- Flood relief operation
- Conducting adult education class.

Details of College NSS Account: (PFMS) Name of the Bank: State Bank of India A/C number: 41665912325

IFSC code: 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 it provides unique opportunities to the students for group living, collective experience sharing, and constant interaction with the community. Special camping is organized generally on various developmental issues of national importance. 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 special 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.

Table 9.7.1.4: NSS Activities for the Academic Year 2023– 24

S.No.	Date	Name of the Activity	Description
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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	<p>The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.</p> <p>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.</p> <p>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.</p>
06	11-10-2023	Amrit Kalash Yatra	<p>The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.</p> <p>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.</p>

07	31-10-2023	National Unity Day	<p>The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.</p> <p>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.</p>
08	16-11-2023	AP Disha App Installation Camp	<p>The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.</p> <p>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.</p>
09	01-12-2023	AIDS Day Awareness Rally	<p>The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.</p> <p>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.</p>
10	05-01-2024	National Voters Day Awareness camp	<p>The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU.</p> <p>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.</p>

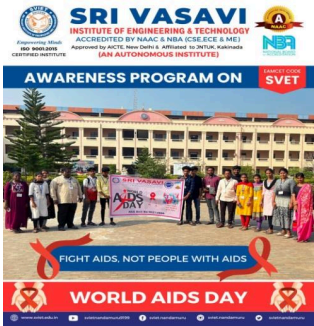
11	24-01-2024	Voters Registration camp	The NSS Unit of SRI VASAVI INSTITUTE OF ENGINEERING AND TECHONOLOGY, NANDAMURU had organized Voters Registration camp near Grama sachivalayam , Nandamuru for the youth above 18 years. More than 100 members had participated in the camp and registered their Vote.
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.
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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 technical 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 the other academic and administrative bodies , their memberships, functions, and responsibilities, frequency of the meetings, participation details of external members and attendance therein (4)

B. The Published service rules, 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

Sl.No.	Name of the Person	Designation	Position
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
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

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada,
Accredited by NBA & NAAC, An ISO 9001:2015 Certified Institute
Nandamuru, Pedana Mandal, Krishna Dist - 521 369

Date: 07-08-2023

Meeting Notice

The 18th Governing Body Meeting & The First Autonomous Governing body meeting will be held on **09-08-2023 at 10.30AM** in Sri Vasavi Institute of Engineering & Technology, Nandamuru to discuss the following agenda

Agenda

1. To discuss about the UGC Autonomous Status
2. To discuss about Autonomous approval by JNTUK, Kakinada
3. Approval for Statutory bodies to ensure proper management of Academics and Financial for governance of our Institute
4. Approval of Controller of Examination
5. Any other subject with the permission of the chairman.

(Dr B R S Reddy)
Member Secretary

Meeting No. 18 41

Minutes of the Meeting of the "18th Governing body of " Sri Vasavi Institute of Engineering & Technology, Nandamuru, on 09-08-2023 at 10.30 AM in the college Premises.

Members Attended:

1) G. M. Prasad	8) Dr. K. Raja Gopal (on-line)
2) S. S. S. S. S.	9) Sri. T. Krishna (on-line)
3) S. S. S. S. S.	10) Dr. O. Srinivasa Rao (on-line)
4) S. S. S. S. S.	11) Dr. B. Raja Srinivasa Reddy (on-line)
5) S. S. S. S. S.	12) Dr. O. Srinivasa Rao (on-line)
6) S. S. S. S. S.	13) Dr. B. Raja Srinivasa Reddy (on-line)
7) S. S. S. S. S.	

① VGC Autonomous Status is discussed.

② JNTUK, Kakinada has conferred the First Autonomous Status.

③ Extension of Approval/Extension in Institute of R-TECH CSE from 150 to 240 seats is discussed.

④ Academic Council and Finance Committee's are approved in the meeting.

⑤ Mr. SVC Gupta, Professor in CSE is appointed as Controller of Examinations.

(Dr. B. Raja Srinivasa Reddy)
(K. V. K. K. K. K.)

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.

- ED'S will advise the Correspondent and Principal on the matters, focusing on development of education and growth of the college.
- ED'S shall visit various departments and facilities and interact with the in-charges for on-hand assessment of the same.
- ED'S shall address the staff, students and other stake holders if required, preferably through Principal.
- ED'S shall actively participate in the visits of experts from regulatory authorities / inspection committees and important visitors
- ED'S shall represent the college in various forums duly authorized by the Correspondent.
- ED'S shall involve in any other work incidental to carrying out the above functions
- 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

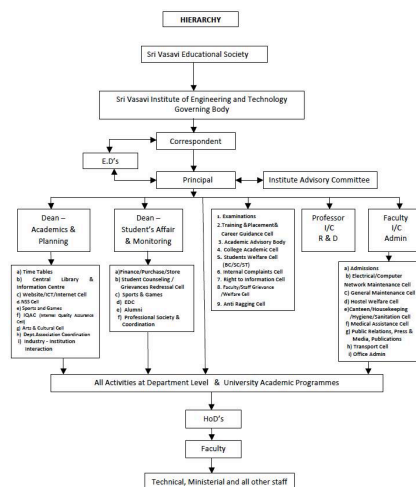
4	Mr. Ch Giri Phani	CE
5	Dr. K N Swamy	BS & H

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 conducive 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 develop 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 delegated powers for taking administrative 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:

- o One senior faculty as coordinator.
- o One Legal adviser
- o One from Police Department
- o All HODs and Senior faculty
- o Two second year students
- o Two first year students
- o 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. Giripani 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	24MQ1A0511	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	August1 nd week.	Police Department	I & II B Tech Students
2.	Personality Development Programme	JAN3 rd 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
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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 mechanism, 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


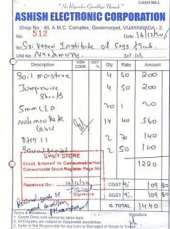
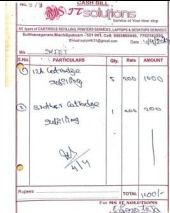
A. Financial Powers delegated to the Principal, Heads of Department and relevant in-charges (3)

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. Demonstrate 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 Refreshments	
2	Head of the Department	Lab Consumables by ECE Department	
3	Control of Examination	Stationary	

4	Cell Coordinator	Sports & Games Cell Consumables	
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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
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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

10.2.3 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

3445000		Actual expenditure (till...): 3406274		Total No. Of Students 90
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
415000	3030000	402178	3004096	37847.49

Table 2 :: CFYm1 2023-24

3275000		Actual expenditure (till...): 3257122		Total No. Of Students 88
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
325000	2950000	324096	2933026	37012.75

Table 3 :: CFYm2 2022-23

2900000		Actual expenditure (till...): 2850373		Total No. Of Students 118
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
525000	2375000	517246	2333127	24155.70

Table 4 :: CFYm3 2021-22

3080000		Actual expenditure (till...): 3058676		Total No. Of Students 149
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
660000	2420000	649916	2408760	20528.03

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	265000	260267	215000	214645	365000	362155	405000	403275
Software	45000	40440	5000	4770	25000	21470	45000	40656
Laboratory consumable	320000	316740	250000	247117	355000	353277	390000	389967
Maintenance and spares	2650000	2634701	2600000	2593305	1850000	1812303	1825000	1819526

R & D	105000	101471	105000	104681	135000	133621	210000	205985
Training and Travel	35000	30380	60000	56302	130000	128560	140000	134614
	25000	22275	40000	36302	40000	38987	65000	64653
Total	3445000	3406274	3275000	3257122	2900000	2850373	3080000	3058676

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 Mechanical Engineering.

S.No	Financial Year	Proposed Budget in Lakhs	Allocation Budget in Lakhs	Utilized Budget in Lakhs	Adequate/Non Adequate
1	2024-25	34.45	34.25	34.06	Adequate
2	2023-24	32.75	32.73	32.57	Adequate
3	2022-23	29.00	28.75	28.50	Adequate
4	2021-22	30.80	30.70	30.58	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 Mechanical Engineering.

S.No	Financial Year	Proposed Budget in Lakhs	Allocated Budget in Lakhs	Utilized Budget in Lakhs	% Budget Utilization
1	2024-25	34.45	34.25	34.06	99.45
2	2023-24	32.75	32.73	32.57	99.51
3	2022-23	29.00	28.75	28.50	99.14
4	2021-22	30.80	30.70	30.58	99.63

Table 1–CFY 2024-25

Total Income : 3445000		Actual Expenditure (till..) : 3406274		Total No. of Students: 90
Recurring	Non Recurring	Recurring	Non Recurring	Expenditure per Student
3030000	415000	3004096	402178	37847.49

Table 2–CFY m1 2023-24

Total Income : 3275000		Actual Expenditure (till..) 3257122		Total No. of Students: 88
Recurring	Non Recurring	Recurring	Non Recurring	Expenditure per Student
2950000	325000	2933026	324096	37012.75

Table 3–CFY m2 2022-23

Total Income : 2900000		Actual Expenditure (till..) 2850373		Total No. of Students: 118
Recurring	Non Recurring	Recurring	Non Recurring	Expenditure per Student
2375000	525000	2333127	517246	24155.70

Table 4–CFY m3 2021-22

Total Income : 3080000		Actual Expenditure (till..) 3058676		Total No. of Students: 149
Recurring	Non Recurring	Recurring	Non Recurring	Expenditure per Student
660000	2420000	649916	2408760	20528.03

Table: 10.3.2.6:Headwise allocation& utilization of budget during assessment period

Sri Vasavi Institute of Engineering & Technology									
DEPARTMENT BUDGET - Mechanical Engineering									
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
1	Laboratory equipment	265000	260267	215000	214645	365000	362155	405000	403275
2	Software	45000	40440	5000	4770	25000	21470	45000	40656
3	Laboratory consumable	320000	316740	250000	247117	355000	353277	390000	389967
4	Maintenance and spares	2650000	2634701	2600000	2593305	1850000	1812303	1825000	1819526
5	R & D	105000	101471	105000	104681	135000	133621	210000	205985
6	Training and Travel	35000	30380	60000	56302	130000	128560	140000	134614

7	Others	25000	22275	40000	36302	40000	38987	65000	64653
8	Total	3445000	3406274	3275000	3257122	2900000	2850373	3080000	3058676

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 relevant 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 the quality of journals include Reputation – of the journal and the publisher, Scope and 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**Table 10.4.1.1: 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.	Digital Library	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/Al ₂ O ₃ 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 and Minimization of the Oscillatory Currents in Multibranch Thyristor-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:200MBPS
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	SKILLS FOR SUCCESSFUL CAREER: Able to apply engineering knowledge to get through the competitive examinations for employment/higher studies.
PSO2	PROBLEM SOLVING SKILLS: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society

Declaration

The head of the institution needs to make a declaration as per the format given -

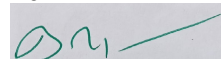
- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institution shall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, 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 15:31:05

