P.S.V.COLLEGE OF ENGINEERING AND TECHNOLOGY

Computer Science & Engg.

Part A : Institutional Information

1 Name and Address of the Institution

P.S.V.COLLEGE OF ENGINEERING AND TECHNOLOGY,
MITTAPALLI, BALINAYANAPALLI (POST), ELATHAGIRI (S.O), KRISHNAGIRI (DISTRICT) PIN CODE: 635 108., KRISHNAGIRI, KRISHNAGIRI, Tamil Nadu, 635108

2 Name and Address of Affiliating University

ANNA UNIVERSITY

3 Year of establishment of the Institution:

2008

4 Type of the Institution:

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

5 Ownership Status:

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

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

Name of Institutions	Year of Establishment	Programs of Study	Location
St.Joan's College of Education	2005	B.Ed & M.Ed	Mittapalli, Ballinayanapalli, Tamil Nadu
P.S.V. Polytechnic College	2013	Diploma Courses	Mittapalli, Ballinayanapalli, Tamil Nadu
P.S.V. College of Pharmacy	2017	D.Pharm, B.Pharm, M.Pharm & Pharm.D	Mittapalli, Ballinayanapalli, Tamil Nadu
P.S.V. College of Nursing	2022	B.Sc. Nursing	Mittapalli, Ballinayanapalli, Tamil Nadu

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

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
B.E. - Computer Science and Engineering	UG	2008	2008	60	Yes	90	Applying first time	--	--	Yes	4

Sanctioned Intake for Last Five Years for the B.E. - Computer Science and Engineering	
Academic Year	**Sanctioned Intake**
2023-24	90
2022-23	60
2021-22	60
2020-21	60
2019-20	60
2018-19	60

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
B.Tech. Information Technology	UG	2008	2008	60	Yes	90	Applying first time	--	--	No	4

Sanctioned Intake for Last Five Years for the B.Tech. Information Technology	
Academic Year	**Sanctioned Intake**
2023-24	90
2022-23	60
2021-22	60
2020-21	60
2019-20	60
2018-19	60

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
B.E. Electronics and Communication Engineering	UG	2008	2008	60	Yes	60	Applying first time	--	--	0	4

Sanctioned Intake for Last Five Years for the B.E. Electronics and Communication Engineering	
Academic Year	**Sanctioned Intake**
2023-24	60
2022-23	60
2021-22	60
2020-21	120
2019-20	120
2018-19	120

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
B.E. Electrical and Electronics Engineering	UG	2008	2008	60	No	60	Applying first time	--	--	0	4

8 Programs to be considered for Accreditation vide this application:

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

9 Total number of employees in the institution:

A. Regular* Employees (Faculty and Staff):

Items	2023-24		2022-23		2021-22	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	46	46	48	48	57	57
Faculty in Engineering (Female)	42	42	51	51	47	47
Faculty in Maths, Science & Humanities (Male)	11	11	14	14	11	11
Faculty in Maths, Science & Humanities (FeMale)	13	13	10	10	7	7
Non-teaching staff (Male)	24	24	23	23	22	22
Non-teaching staff (FeMale)	9	9	9	9	8	8

B. Contractual* Employees (Faculty and Staff):

Items	2023-24		2022-23		2021-22	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (FeMale)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (FeMale)	0	0	0	0	0	0

10   Total number of Engineering Students:

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

Engineering and Technology- UG Shift-1

Items	2023-24	2022-23	2021-22
Total no. of Boys	926	780	678
Total no. of Girls	437	337	280
Total	**1363**	**1117**	**958**

11   Vision of the Institution:

To be recognized at national level for quality technical education with ethics supported by research leading to produce innovative, entrepreneurial, and successful engineers

12   Mission of the Institution:

- To provide state of the art education with strong Engineering basics and managerial skills.
- To develop students with good Engineering skills for designing and developing solutions to cater the need of industries and society.
- To develop the institute as a Hub, working constantly in chase of brilliance in Engineering education, Research and technology transfer to the Industries and society at a large.
- To inculcate qualities required for becoming a good entrepreneur.

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

Head of the Institution	
Name	Dr. P. LAWRENCE
Designation	Principal
Mobile No.	8838428106
Email ID	principal@psvcet.ac.in

☑ **NBA Coordinator, If Designated**

Name	Mrs. K.Krithiga
Designation	Assistant Professor
Mobile No.	6382098827
Email ID	iqac@psvcet.ac.in

PART B: Criteria Summary

Critera No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	60	60.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	120	120.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	120	120.00
4	STUDENTS' PERFORMANCE	150	112.60
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	163.63
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	42.51
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	**1000**	**920**

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 be recognized at national level for quality technical education with ethics supported by research leading to produce innovative, entrepreneurial, and successful engineers**
Mission of the institute	• **To provide state of the art education with strong Engineering basics and managerial skills.** • **To develop students with good Engineering skills for designing and developing solutions to cater the need of industries and society.** • **To develop the institute as a Hub, working constantly in chase of brilliance in Engineering education, Research and technology transfer to the Industries and society at a large.** • **To inculcate qualities required for becoming a good entrepreneur.**
Vision of the Department	• To provide an amiable atmosphere to widen and bloom as strong professionals, socially mindful and globally accountable personalities
Mission of the Department	<table><tr><th>Mission No.</th><th>Mission Statements</th></tr><tr><td>M1</td><td>• To expose high-class wisdom to the students by providing lively learning atmosphere to enlarge practical and headship talent to shine as a resourceful expert.</td></tr><tr><td>M2</td><td>• To inculcate life-long learning skill that permits the students to adapt and response to the revolution in technology in the global market.</td></tr><tr><td>M3</td><td>• To develop student community with professional ethics to start pioneering research and development in the thrust areas.</td></tr><tr><td>M4</td><td>• To make the students to learn the emerging technologies and behaving ethically in their professional life.</td></tr></table>

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

Total Marks 5.00

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements
PEO1	To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs.
PEO2	To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.

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

The list of stakeholders for the department of Computer Science and Engineering is as follows
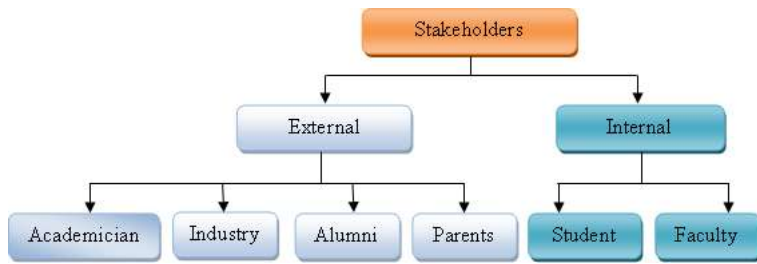
The vision and mission of the Institute are published and disseminated at

1. Institution website
2. Principal Chamber
3. Central Library
4. Cafeteria
5. College Entrance

Along with the list given above the Department Vision and Mission is also disseminated at

1. Department Webpage
2. HOD Cabin and Faculty Cabins
3. Laboratories
4. Lecture and Tutorial Halls of the Department
5. Department Notice Boards
6. Newsletters and Magazines of the Department

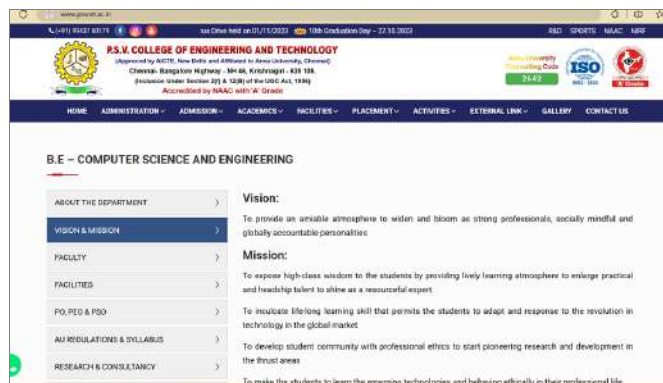**Fig. No. 1.3 (1) Dissemination of Institution Vision and Mission in the Website**

Fig. No. 1.3 (2): Dissemination of Department Vision and Mission in the Website

B. Process of dissemination among stakeholders

The modes of dissemination followed to reach out the stakeholders are as follows

Table No. 1.3(1) Process of dissemination among stakeholders

Stakeholders		Dissemination Mode
Internal	Faculty	• HOD Cabin and faculty chamber • College Website • Department Notice Board • Department Library • Department Newsletters • Class Rooms and Laboratories
	Students	• College Website • Department Library • Department Notice Board • Lecture Halls • Laboratories • Induction/Orientation Program • Department events • Department Newsletters and Magazines.
External	Industry experts	• College website • Training and Placement Cell • DAC Meeting
	Alumni	• College website • Alumni meet • DAC Meeting
	Parents	• College website • Parent-Teachers Meeting • Communication letters
	Academician	• College website • DAC Meeting

C. Extent of awareness of Vision, Mission & PEOs among the stakeholders

For the effective process of implementation, the department would collect time to time feedback from all the stakeholders then the Vision and Missions are redefined if required.

- Management
- Employer /Industry Expert
- Faculty
- Alumni
- Parents
- Student

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 the process involved in defining the Vision and mission of the Department

The Vision and Mission statements of the Department is framed by considering the feedback of various stakeholders in the Department Advisory Committee.

The Process has the following steps

Step 1. The Departments Vision and Mission are framed by considering the key components of the Institutions Vision and Mission.

Step 2. Vision and Mission is formed by gathering suggestions from the Department Advisory Committee (DAC) members comprising stakeholders from Internal and External bodies. The External stakeholders are Alumni, Parents, Employers, and Academic Experts and the internal stakeholders are the Students and the Faculty.

Step 3. The Head of the Department submits the framed vision and mission for Principal approval. The principal discusses the framed vision and mission of the Department in IQAC meeting and forwards it to the Governing council for approval.

Step 4. The Governing Council approves the final Vision and Mission of the Department.

Step 5. The Department approved Vision and Mission statement are stated and disseminated to all the stakeholders.

Step 6. Feedback on the Vision and Mission of the department is collected from time to time and if needed Vision and Mission are redefined

Fig No 1.4 (1): Process of Defining Vision and Mission of the Department
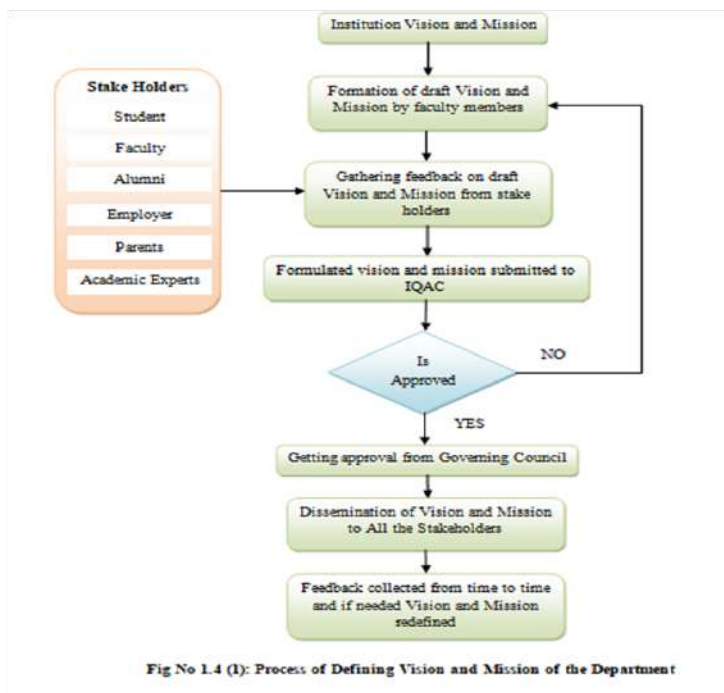
B. Description of the process involved in defining the PEOs of the program

The Institution is affiliated with Anna University, Chennai, and PEOs defined by the Affiliating University is taken as the base. The Department Advisory Committee, in turn, discusses the PEOs defined by the University with all the stakeholders and forwards its recommendations to the Governing body through the IQAC and Principal for approval. The Governing Council finalizes the PEOs and changes are incorporated, if necessary.
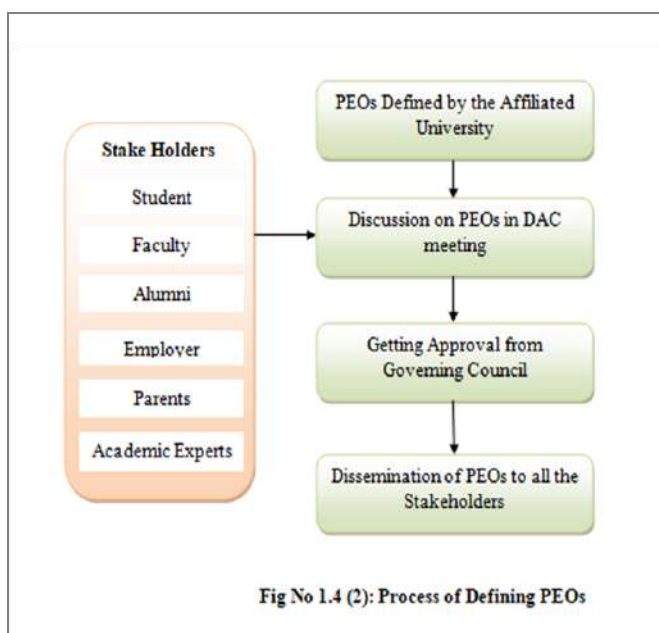
Fig No 1.4 (2): Process of Defining PEOs

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

M1: To expose high-class wisdom to the students by providing lively learning atmosphere to enlarge practical and headship talent to shine

as a resourceful expert

M2: To inculcate life-long learning skill that permits the students to adapt and response to the revolution in technology in the global market

M3: To develop student community with professional ethics to start pioneering research and development in the thrust areas

M4: To make the students to learn the emerging technologies and behaving ethically in their professional life.

PEO Statements	M1	M2	M3	M4
PEO1: To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs.	3	3	2	2
PEO2: To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.	3	3	3	3

	Mapping Level		Justification
PEO1	M1	3	Students are facilitated to a vibrant learning environment to nurture talent on technical competence in computer science
	M2	3	Create solutions for socially significant issues and make them involved in innovative research which is closely associated with developing lifelong learning skills.
	M3	2	Effectively operated in a professional setting, showcasing teamwork, strong work ethics, adaptability and a commitment to continuous learning.
	M4	2	Moderately associated with the integration of Emerging Technologies while maintaining ethical conduct.
PEO2	M1	3	Strongly Provides a lively learning atmosphere to enlarge talent to shine as a resourceful expert.
	M2	3	Graduates are effectively adapted to the revolution Technology in the Global Market
	M3	3	Developing a professional application in ethical way.
	M4	3	Students learn under the emerging technologies to behave in their professional lives.

PEO Statements	M1	M2	M3	M4
To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs.	3	3	2	2
To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.	3	3	3	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 AnnexureI. Also mention the identified curricular gaps, if any (10)

Institute Marks : 10.00

P.S.V College of Engineering and technology is affiliated with Anna University, Chennai. We follow the curriculum and syllabus of Anna University. Generally, the curriculum maintains the balance in the composition of basic science, humanities, and professional courses and their distribution in core and elective and breadth offerings.

S.No	Academic year	Regulation	University
1	2023-2024	R-2017,R-2021	Anna University, Chennai
2	2022-2023	R-2017,R-2021	
3	2021-2022	R-2017	
4	2020-2021	R-2017	

PROGRAM OUTCOMES POs:

PO 1 Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 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.

PO 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 cultural, societal, and environmental considerations.

PO 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.

PO 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.

PO 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.

PO 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.

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

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

PO 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 instruction.

PO 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.

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

PROGRAM SPECIFIC OBJECTIVES (PSOs)

PSO1: To analyze, design, and develop computing solutions by applying foundational concepts of Computer Science and Engineering.

PSO2: To apply software engineering principles and practices for developing quality software for scientific and business applications.

PSO3: To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

Structure of Anna University (AU) Curriculum: Regulation - 2017

Our Institution adheres to the curriculum and syllabus prescribed by Anna University, Chennai. The syllabus comprises of multifaceted course covering theory, practicals, and projects. The structure of the curriculum indicating the details of courses, hours per week, and their credits are given in Table 2.1.1 (a)

Table 2.1.1 (a) Structure of the Program Curriculum for the Regulation 2017

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
			SEMESTER I					
			THEORY					
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics – I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
			PRACTICALS					
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
		TOTAL		31	19	0	12	25

SI. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
			SEMESTER II					
			THEORY					
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics-II	BS	4	4	0	0	4
3.	PH8252	Physics for Information Science	BS	3	3	0	0	3

4.	BE8255	Basic Electrical, Electronics And Measurement Engineering	ES	3	3	0	0	3
5.	GE8291	Environmental Science and Engineering	PC	3	3	0	0	3
6.	CS8251	Programming in C	PC	3	3	0	0	3
		PRACTICALS						
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	CS8261	C Programming Laboratory	PC	4	0	0	4	2
		TOTAL		**28**	**20**	**0**	**8**	**24**

SEMESTER III

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
		THEORY						
1.	MA8351	Discrete Mathematics	BS	4	4	0	0	4
2.	CS8351	Digital Principles and system Design	ES	4	4	0	0	4
3.	CS8391	Data Structures	PC	3	3	0	0	3
4.	CS8392	Object Oriented Programming	PC	3	3	0	0	3
5.	EC8395	Communication Engineering	ES	3	3	0	0	3
		PRACTICALS						
6.	CS8381	Data Structures Laboratory	PC	4	0	0	4	2
7.	CS8383	Object Oriented Programming Laboratory	PC	4	0	0	4	2
8.	CS8382	Digital Systems Laboratory	ES	4	0	0	4	2
9.	HS8381	Interpersonal Skills/Listening &Speaking	EEC	2	0	0	2	1
		TOTAL		**31**	**17**	**0**	**14**	**24**

SEMESTER IV

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
		THEORY						
1.	MA8402	Probability and Queueing Theory	BS	4	4	0	0	4
2.	CS8491	Computer Architecture	PC	3	3	0	0	3
3.	CS8492	Database Management Systems	PC	3	3	0	0	3
4.	CS8451	Design and Analysis of Algorithms	PC	3	3	0	0	3
5.	CS8493	Operating Systems	PC	3	3	0	0	3
6.	CS8494	Software Engineering	PC	3	3	0	0	3
		PRACTICALS						
7.	CS8481	Database Management Systems Laboratory	PC	4	0	0	4	2
8.	CS8461	Operating Systems Laboratory	PC	4	0	0	4	2
9.	HS8461	Advanced Reading and Writing	EEC	2	0	0	2	1
		TOTAL		**29**	**19**	**0**	**10**	**24**

SEMESTER V

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
		THEORY						
1.	MA8551	Algebra and Number Theory	BS	4	4	0	0	4
2.	CS8591	Computer Networks	PC	3	3	0	0	3
3.	EC8691	Microprocessors and Microcontrollers	PC	3	3	0	0	3
4.	CS8501	Theory of Computation	PC	3	3	0	0	3
5.	CS8592	Object Oriented Analysis and Design	PC	3	3	0	0	3
6.	OAN551	Sensor and Transducer	OE	3	3	0	0	3
		PRACTICALS						

7.	EC8681	Microprocessors and Microcontrollers Laboratory	PC	4	0	0	4	2
8.	CS8582	Object Oriented Analysis and Design Laboratory	PC	4	0	0	4	2
9.	CS8581	Networks Laboratory	PC	4	0	0	4	2
		TOTAL		**31**	**19**	**0**	**12**	**25**

SEMESTER VI

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
				THEORY				
1.	CS8651	Internet Programming	PC	3	3	0	0	3
2.	CS8691	Artificial Intelligence	PC	3	3	0	0	3
3.	CS8601	Mobile Computing	PC	3	3	0	0	3
4.	CS8602	Compiler Design	PC	3	3	0	0	3
5.	CS8603	Distributed Systems	PC	3	3	0	0	3
6.	IT8076	Software Testing	PE	3	3	0	0	3
				PRACTICALS				
7.	CS8661	Internet Programming Laboratory	PC	4	0	0	4	2
8.	CS8662	Mobile Application Development Laboratory	PC	4	0	0	4	2
9.	CS8611	Mini Project	EEC	2	0	0	2	1
		TOTAL		**30**	**18**	**0**	**12**	**24**

SEMESTER VII

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
				THEORY				
1.	MG8591	Principles of Management	HS	3	3	0	0	3
2.	CS8792	Cryptography and Network Security	PC	3	3	0	0	3
3.	CS8791	Cloud Computing	PC	3	3	0	0	3
4.	OEC754	Medical Electronics	OE	3	3	0	0	3
5.	IT8075	Software Project Management	PE	3	3	0	0	3
6.	CS8079	Human Computer Interaction	PE	3	3	0	0	3
				PRACTICALS				
7.	CS8711	Cloud Computing Laboratory	PC	4	0	0	4	2
8.	IT8761	Security Laboratory	PC	4	0	0	4	2
		TOTAL		**26**	**18**	**0**	**8**	**22**

SEMESTER VIII

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
				THEORY				
1.	IT8073	Information Security	PE	3	3	0	0	3
2.	CS8080	Information Retrieval Techniques	PE	3	3	0	0	3
				PRACTICALS				
3.	CS8811	Project Work	EEC	20	0	0	20	10
		TOTAL		**26**	**6**	**0**	**20**	**16**

The distribution of the various course categories with credits and percentages of distribution in the curriculum is shown in Fig. No. 2.1.1(1) & Table No.2.1.1(b)
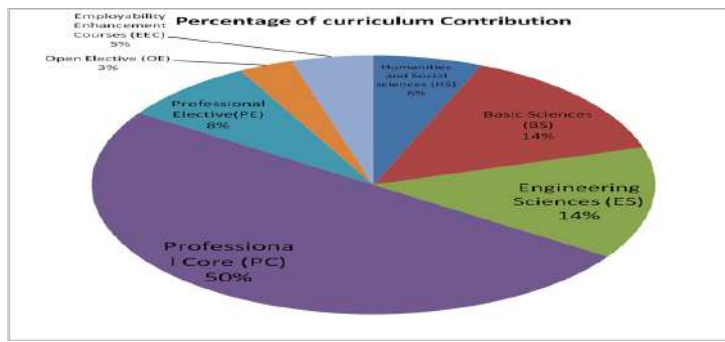
Fig. No. 2.1.1(1): Distribution of AU curriculum R2017

Table No. 2.1.1(b): AU - R2017 curriculum with credits and percentages of distribution

Nature of the courses	Number of courses	% of curriculum Contribution	Total Credits
Humanities and Social sciences (HS)	4	7.60%	14
Basic Sciences (BS)	9	16.8%	31
Engineering Sciences (ES)	9	12.5%	23
Professional Core (PC)	32	44.5%	82
Professional Elective(PE)	5	8.15%	15
Open Elective (OE)	2	3.3%	6
Employability Enhancement Courses (EEC)	3	7.65%	14
TOTAL			**184**

Structure of Anna University (AU) Curriculum: Regulation – 2021

The structure of the curriculum indicating the details of courses, hours per week and their credits is given in the Table No.2.1.1(c)

Table No. 2.1.1(c): AU - R2021 curriculum with credits

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
			SEMESTER I					
1.	IP3151	Induction Programme	-	-	-	-	-	0
			THEORY					
2.	HS3152	Professional English - I	HSMC	3	3	0	0	3
3.	MA3151	Matrices and Calculus	BSC	4	3	1	0	4
4.	PH3151	Engineering Physics	BSC	3	3	0	0	3
5.	CY3151	Engineering Chemistry	BSC	3	3	0	0	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	3	0	0	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	1	0	0	1
			PRACTICALS					
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	4	0	0	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	4	0	0	4	2
10.	GE3172	English Laboratory $	EEC	2	0	0	2	1
		TOTAL		**27**	**16**	**1**	**10**	**22**

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
			SEMESTER II					
			THEORY					
1.	HS3252	Professional English - II	HSMC	2	2	0	0	2
2.	MA3251	Statistics and Numerical Methods	BSC	4	3	1	0	4

3.	PH3256	Physics for Information Science	BSC	3	3	0	0	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	3	0	0	3
5.	GE3251	Engineering Graphics	ESC	6	2	0	4	4
6.	CS3251	Programming in C	PCC	3	3	0	0	3
7.	GE3252	தமிழரும் தொழில் நுட்பமும் /Tamils and Technology	HSMC	1	1	0	0	1
8.		NCC Credit Course Level 1#	-	2	2	0	0	2
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	4	0	0	4	2
10.	CS3271	Programming in C Laboratory	PCC	4	0	0	4	2
11.	GE3272	Communication Laboratory / Foreign Language $	EEC	4	0	0	4	2
TOTAL				34	17	1	16	26

SEMESTER III

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA3354	Discrete Mathematics	BSC	4	3	1	0	4
2.	CS3351	Digital Principles and Computer Organization	ESC	5	3	0	2	4
3.	CS3352	Foundations of Data Science	PCC	3	3	0	0	3
4.	CS3301	Data Structures	PCC	3	3	0	0	3
5.	CS3391	Object Oriented Programming	PCC	3	3	0	0	3
PRACTICALS								
6.	CS3311	Data Structures Laboratory	PCC	3	0	0	3	1.5
7.	CS3381	Object Oriented Programming Laboratory	PCC	3	0	0	3	1.5
8.	CS3361	Data Science Laboratory	PCC	4	0	0	4	2
9.	GE3361	Professional Development$	EEC	2	0	0	2	1
TOTAL				30	15	1	14	23

SEMESTER IV

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	CS3452	Theory Of Computation	PCC	3	3	0	0	3
2.	CS3491	Artificial Intelligences and Machine Learning	PCC	5	3	0	2	4
3.	CS3492	Database Management Systems	PCC	3	3	0	0	3
4.	CS3401	Algorithms	PCC	5	3	0	2	4
5.	CS3451	Introduction to Operating Systems	PCC	3	3	0	0	3
6.	GE3451	Environmental Science and Sustainability	BSC	2	2	0	0	2
7.		NCC Credit Course Level 2		3	3			3
PRACTICALS								
8.	CS8461	Operating Systems Laboratory	PCC	3	0	0	3	1.5
9.	CS8481	Database Management Systems Laboratory	PCC	3	0	0	3	1.5
TOTAL				30	20	0	10	22

SEMESTER V

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	CS3591	Computer Networks	PCC	5	3	0	2	4

2.	CS3501	Complier Design	PCC	5	3	0	2	4
3.	CB3491	Cryptography and Cyber Security	PCC	3	3	0	0	3
4.	CS3551	Distributed Computing	PCC	3	3	0	0	3
5.		Professional Elective I	PEC	-	-	-	-	3
6.		Professional Elective II	PEC	-	-	-	-	3
7.		Mandatory Course I	MC	3	3	0	0	0
		TOTAL		-	-	-	-	**20**

SEMESTER VI

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
			THEORY					
1.	CCS356	Object Oriented Software Engineering	PCC	3	3	0	0	4
2.	CS3691	Embedded System and IoT	PCC	3	3	0	0	4
3.		Open Elective I	OEC	-	-	-	-	3
4.		Professional Elective III	PEC	-	-	-	-	3
5.		Professional Elective IV	PEC	-	-	-	-	3
6.		Professional Elective V	PEC	-	-	-	-	3
7.		Professional Elective VI	PEC	-	-	-	-	3
8.		Mandatory Course II	MC	3	0	0	3	0
9.		NCC Credit Course Level 3		3	0	0	3	3
		TOTAL		-	-	-	-	**23**

SEMESTER VII

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
			THEORY					
1.	GE3791	Human Values and Ethics	HSMC	2	2	0	0	2
2.		Elective – Management	HSMC	3	3	0	0	3
3.		Open Elective II	OEC	3	3	0	0	3
4.		Open Elective III	OEC	3	3	0	0	3
5.		Open Elective IV	OEC	3	3	0	0	3
			PRACTICALS					
6.	CS3711	Summer Internship	EEC	0	0	0	0	2
		TOTAL		**14**	**14**	**0**	**0**	**16**

SEMESTER VIII

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
			PRACTICALS					
1.	CS3811	Project Work/ Internship	EEC	20	0	0	20	10
		TOTAL		**20**	**6**	**0**	**20**	**10**
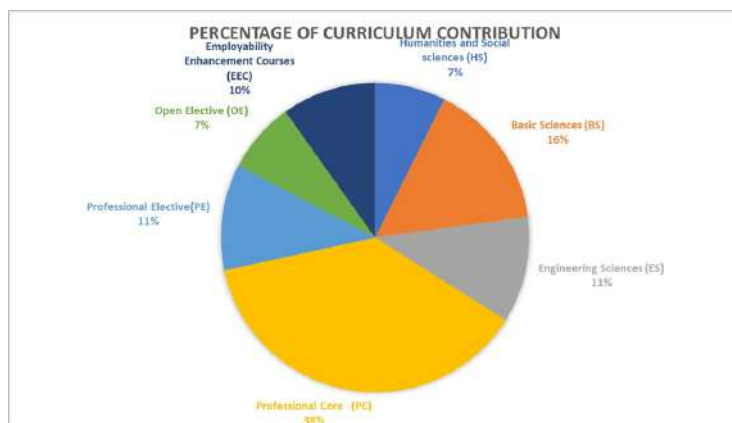
Fig. No. 2.1.1(2): Distribution of AU curriculum R2021

Table No. 2.1.1(d): AU - R2021 curriculum with credits

Nature of the courses	Number of courses	% of curriculum Contribution	Total Credits
Humanities and Social sciences (HS)	6	7.4%	12
Basic Sciences (BS)	8	25%	25
Engineering Sciences (ES)	6	11.1%	18
Professional Core (PC)	21	37.7%	61
Professional Elective(PE)	6	11.1%	18
Open Elective (OE)	4	7.4%	12
Employability Enhancement Courses (EEC)	5	10%	16
TOTAL			162

A. **Process used to identify the extent of compliance with the university curriculum for attaining POs &PSO**

Institute is affiliated to Anna University, Chennai, Tamil Nadu and hence the curriculum and syllabi prescribed by the University are followed for the conduct of various ...rams. The curriculum comprises Humanities and social science (HS), Professional Core (PC), Professional Electives (PE), Employability Enhancement course (EEC), and Laboratory ...ed to Computer Science and Engineering. Course outcomes are mapped with Program Outcomes and Curriculum gaps are identified by the course instructor. After collecting the ...estions from the stakeholders, necessary actions will be taken to bridge the curriculum Gap.

To the major extent University curriculum helps to attain objectives and outcomes. In addition to the curriculum, the Department and Institution take initiatives for co-curricular ...extracurricular activities to provide exposure and 100% opportunities to students in attaining the objectives and outcomes. The relevance of Pos and PSOs for the University Curriculum is ...n. The following process is used to identify the extent of compliance with the University curriculum for attaining the POs and PSOs.

- Categorizing the entire Curriculum into Core Courses, Science and Humanities, Employability Enhancement Courses, and Laboratory courses.
- Defining course outcomes for each subject.
- Preparing program articulation matrix by mapping each course outcome with Pos and PSOs
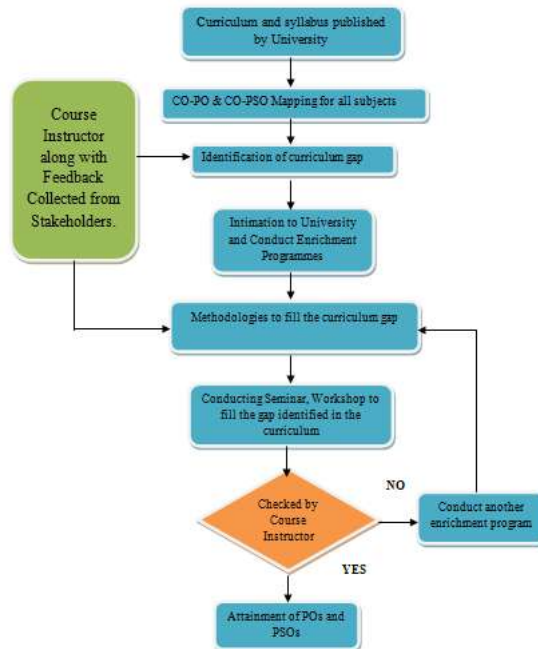
Fig. No. 2.1.1(3): Curriculum Gap Identification

The process for identifying the curricular gap is shown in fig. No. 2.1.1 (3). The gaps are identified by Five different Survey are conducted at different frequencies from different stakeholders of the program

- Faculty Survey
- Alumni Survey
- Employer Survey
- Academic Experts Survey
- Industry Experts Survey

1. **Academic experts /Faculty Survey**

- Provides general information on the quality of the program.
- Comparison with the syllabi of premier institutes.
- Strategic directions for program.

- Satisfaction with curriculum.
- Collected as required.

2. Alumni Survey

- Measures the degree to which past students believes they achieved program-level learning outcomes.
- Overall satisfaction with the program.
- Overall satisfaction with the program delivery.
- Information on current professional or academic status. Typically collected every three-four years.

3. Industry experts /Employer Survey

- Provides general information on current industry trends.
- Desirable Graduate attributes.
- Overall perceptions of program quality.
- Strengths and expectations of graduates.
- Typically collected every three-four years.

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

Subjects are mapped with Program Outcomes and Curriculum gaps are identified by the course instructor. After collecting the suggestions from the stakeholders, necessary actions will be taken to bridge the curriculum Gap. Based on the above data, the curricular gaps are identified by the course instructor. A list of curricular gaps identified for Regulation 2017 and Regulation 2021 is given in the Table **No. 2.1.1(e)**.

Curriculum Gap– Regulation2017 & Regulation 2021

Program Level Course PO and Course PSO Matrix of all Courses:

Table No. 2.1.1(e): Mapping of COs with POs & PSOs - Batch (2019 -2023)

COURSE CODE	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
C113	3	1.8	2.8	1	-	-	3	-	-	-	-	1	2	1	-
C114	3	1.8	2.8	1	-	-	-	-	-	-	-	1	2	1	-
C116	3	2.4	1.6	1	1	-	-	-	1	1	-	1	1	1	-
C203	2.4	2.6	3	-	1.25	1.25	-	-	1	-	-	2	2	1.6	-
C204	2.6	1.6	1.4	-	-	-	-	-	-	-	-	1	2	2	-
C206	2	2	2	-	-	-	-	1	2.5	2.8	-	3	2	1	-
C207	3	2	2	1	-	-	-	3	3	3	3	3	2	2	1
C211	3	2.6	3	-	-	-	-	-	-	-	-	-	2	2	-
C212	3	2	3	-	-	-	-	-	-	-	-	-	3	2.5	-
C213	2.8	2.4	3	-	-	-	-	1.5	1.4	-	-	1.8	2	2	1.2
C214	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1
C215	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1
C216	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1
C217	3	2	2	-	-	-	-	-	-	-	-	-	3	2	1
C302	3	3	3	-	3	-	-	-	-	-	-	1	2.4	2	1
C303	3	3	3	3	3	3	-	-	-	-	2	2	2	2	2
C304	2	2	2	2	1	-	-	-	1	2	2	2	2	2	2
C305	2	2	1	2	2	-	-	-	-	1	1	2	2	2	1
C307	3	2	-	2.3	2.5	-	-	2	2.5	2	3	3	-	-	-
C308	2	2	1	-	1	2	-	2	1	1	-	2	1	1	1
C309	2	1	2	-	1	-	-	1	1	1	-	1	1	-	1
C310	3	2.4	2.2	-	-	-	-	2	1	2	-	1	1	1	-
C311	3	2	2	-	1	-	-	-	-	-	-	-	1	-	-
C312	3	2.5	2.2	-	-	-	-	-	-	-	-	-	2	1	-
C313	3	2.8	2.6	-	-	-	-	1.8	2.6	2	-	2.4	1.8	1.8	1
C314	1.8	2.4	1.8	-	-	-	-	1.4	1	1	-	1	1	1	-
C316	2.6	2	2.5	-	1	-	-	1.2	2	1.6	-	1.8	1	1	-
C317	2	2	3	-	2	2	-	1	1	1	-	2	2	1	2
C402	3	2	2	-	-	1	-	-	-	-	-	1	2	3	-
C403	3	2	2	1	-	-	-	-	-	-	-	1	2	3	-
C407	2	1	1	-	1	-	-	1	1.5	1.5	-	1	2	2	2
C408	2.4	1.1	1.6	-	1.2	-	-	1.5	1	1	-	1	2	3	-
Total Mapping	32	32	31	9	14	5	1	15	19	18	5	27	31	29	15
%	100	100	97	28	44	16	3	47	59	56	16	84	97	91	47

Table No. 2.1.1(f): Mapping of COs with POs & PSOs - Batch (2018 -2022)

COURSE CODE	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
C113	3	1.8	2.8	1	-	-	3	-	-	-	-	1	2	1	-
C114	3	1.8	2.8	1	-	-	-	-	-	-	-	1	2	1	-
C116	3	2.4	1.6	1	1	-	-	-	1	1	-	1	1	1	-
C203	2.4	2.6	3	-	1.25	1.25	-	-	-	-	-	2	2	1.6	-
C204	2.6	1.6	1.4	-	-	-	-	-	-	-	-	1	2	2	-
C206	2	2	2	-	-	-	-	1	2.5	2.8	-	3	2	1	-
C207	3	2	2	1	-	-	-	3	3	3	3	3	2	2	1
C211	3	2.6	3	-	-	-	-	-	-	-	-	-	2	2	-
C212	3	2	3	-	-	-	-	-	-	-	-	-	3	2.5	-
C213	2.8	2.4	3	-	-	-	-	-	1.4	-	-	1.8	2	2	1.2
C214	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1
C215	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1
C216	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1
C217	3	2	2	-	-	-	-	-	-	-	-	-	3	2	1
C302	3	3	3	-	3	-	-	-	-	-	-	1	2.4	2	1
C303	3	3	3	3	3	3	-	-	-	-	2	2	2	2	2
C304	2	2	2	2	1	-	-	-	1	2	2	2	2	2	2
C305	2	2	1	2	2	-	-	-	-	-	1	2	2	2	1
C307	3	2	-	2.3	2.5	-	-	2	2.5	2	3	3	-	-	-
C308	2	2	1	-	-	2	-	2	1	-	-	2	1	1	1
C309	2	1	2	-	1	-	-	1	1	1	-	1	1	-	1
C310	3	2.4	2.2	-	-	-	-	2	1	2	-	-	1	1	-
C311	3	2	-	-	1	-	-	-	-	-	-	-	1	-	-
C312	3	2.5	2.2	-	-	-	-	-	-	-	-	-	2	1	-
C313	3	2.8	2.6	-	-	-	-	1.8	2.6	2	-	2.4	1.8	1.8	1
C314	1.8	2.4	1.8	-	-	-	-	1.4	1	1	-	1	1	1	-
C316	2.6	2	2.5	-	1	-	-	1.2	2	1.6	-	1.8	1	1	-
C317	2	2	3	-	2	2	-	1	1	1	-	2	2	1	2
C402	3	2	2	-	-	1	-	-	-	-	-	1	2	3	-
C403	3	2	2	1	-	-	-	-	-	-	-	-	2	3	-
C407	2	1	1	-	1	-	-	1	1.5	1.5	-	1	2	2	2
C408	2.4	1.1	1.6	-	1.2	-	-	1.5	1	1	-	1	2	3	-
Total Mapping	32	32	30	9	13	5	1	14	18	16	5	25	31	29	15
Percentage	100	100	94	28	41	16	3	44	56	50	16	78	97	91	47

Table No. 2.1.1(g): Mapping of COs with POs & PSOs - Batch (2017 -2021)

COURSE CODE	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
C113	3	1.8	2.8	1	-	-	3	-	-	-	-	1	2	1	-
C114	3	1.8	2.8	1	-	-	-	-	-	-	-	-	2	1	-
C116	3	2.4	1.6	1	1	-	-	-	1	1	-	-	-	1	-
C203	2.4	2.6	3	-	1.25	1.25	-	-	-	-	-	2	2	1.6	-
C204	2.6	-	1.4	-	-	-	-	-	-	-	-	1	2	2	-
C206	2	2	2	-	-	-	-	1	2.5	2.8	-	3	2	1	-
C207	3	2	2	1	-	-	-	3	3	3	3	3	2	2	1
C211	3	2.6	3	-	-	-	-	-	-	-	-	-	2	2	-
C212	3	2	3	-	-	-	-	-	-	-	-	-	3	2.5	-
C213	2.8	2.4	3	-	-	-	-	-	1.4	-	-	1.8	2	2	1.2
C214	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1
C215	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1
C216	3	2	3	-	-	-	-	3	2.6	3	-	2	3	1	1

C217	3	2	2	-	-	-	-	-	-	-	-	-	3	2	1
C302	3	3	3	-	3	-	-	-	-	-	-	1	2.4	2	1
C303	3	3	3	3	3	3	-	-	-	-	2	2	2	2	2
C304	2	2	2	2	1	-	-	-	1	2	2	2	2	2	2
C305	2	2	1	2	2	-	-	-	-	-	1	2	2	2	1
C307	3	2	-	2.3	2.5	-	-	2	2.5	2	3	3	-	-	-
C308	2	2	-	-	-	2	-	2	1	-	-	2	1	1	1
C309	2	-	2	-	-	-	-	-	-	1	-	1	1	-	1
C310	3	2.4	2.2	-	-	-	-	2	1	2	-	-	1	1	-
C311	3	2	-	-	1	-	-	-	-	-	-	-	1	-	-
C312	3	2.5	2.2	-	-	-	-	-	-	-	-	-	2	1	-
C313	3	2.8	2.6	-	-	-	-	1.8	2.6	2	-	2.4	1.8	1.8	1
C314	1.8	2.4	1.8	-	-	-	-	1.4	1	1	-	1	1	1	-
C316	2.6	2	2.5	-	1	-	-	1.2	2	1.6	-	1.8	1	1	-
C317	2	2	3	-	2	2	-	1	1	-	-	2	2	1	2
C402	3	2	2	-	-	1	-	-	-	-	-	1	2	3	-
C403	3	2	2	1	-	-	-	-	-	-	-	-	2	3	-
C407	2	1	1	-	1	-	-	1	1.5	1.5	-	1	2	2	2
C408	2.4	1.1	1.6	-	1.2	-	-	1.5	1	1	-	1	2	3	-
Total Mapping	**32**	**31**	**29**	**9**	**12**	**5**	**1**	**13**	**17**	**15**	**5**	**23**	**30**	**29**	**15**
Percentage	**100**	**97**	**91**	**28**	**38**	**16**	**3**	**41**	**53**	**47**	**16**	**72**	**94**	**91**	**47**

Table No. 2.1.1(h): Overall Average and Percentage of POs and PSOs of Regulation 2017 & 2021

BATCH	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
19-23	32	32	31	9	14	5	1	15	19	18	5	27	31	29	15
18-22	32	32	30	9	13	5	1	14	18	16	5	25	31	29	15
17-21	32	31	29	9	12	5	1	13	17	15	5	23	30	29	15
Average	32	32	30	9	13	5	1	14	18	16	5	25	31	29	15
%	100	99	94	28	41	16	3	44	56	51	16	78	96	91	47

Anna university having total 63 courses in its curriculum includes 32 Core courses . The contribution of each subject in various POs and PSOs are identified and listed in the following Table 2.1.1(i) and Figure 2.1.1(j)

Table No. 2.1.1(i): Contribution of subject to each POs

Program Outcomes	No Of Course Mapped With Po Total Course(63) Core Course (32)	Added Course	Gap Bridge Method
PO 1 Engineering knowledge	32	-	-
PO 2 Problem analysis	32	-	-
PO 3 Design/development of solutions	30	-	-
PO 4 Conduct investigations of complex problems	9	9+3=11	Lecture, Workshop
PO 5 Modern tool usage	13	13+5=18	Lecture, Webinar
PO 6 The engineer and society	5	5+5=11	Lecture, Seminar, Webinar
PO 7 Environment and sustainability	1	1+2=3	Workshop, Webinar, Lecture
PO 8 Ethics	14	14+5=19	Lecture, Workshop, Seminar
PO 9 Individual and team work	18	-	-
PO 10 Communication	16	-	-
PO 11 Project management and finance	5	5+9=14	Lecture, Workshop, Seminar
PO 12 Life-long learning	25	-	-
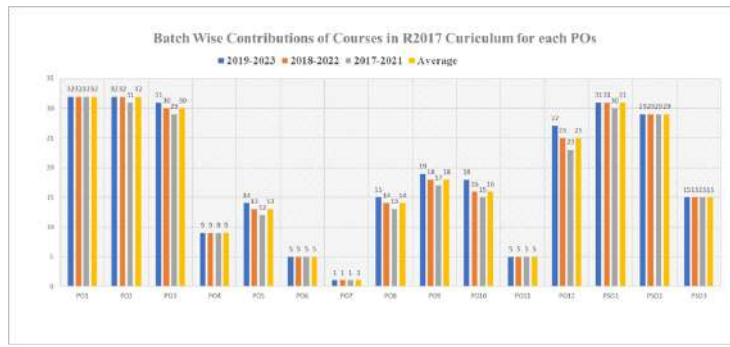
Fig. No. 2.1.1(4): Comparison between contribution of subject in R2017 and R2021 Regulation Mapping to each POs

Table No. 2.1.1(j): Contribution of subject for each PSOs

Program Specific Outcomes	No Of Course Mapped With Po Total Course(63) Core Course (32)	Percentage Of Contribution Of Course In Po
PSO1	31	96
PSO2	29	91
PSO3	15	47

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

curriculum gaps are identified through the DAC meeting and the suggestions for recommendations to the university are obtained from the faculty handling the course, the Department Advisory Committee, and alumni. recommendations are then sent to the University for necessary Action. The curricular gaps are filled by conducting workshops, training programs for students, Industrial visits and interaction with industry experts.

A. **Delivery details of content beyond the syllabus**

Table 2.3. Delivery Details of Content Beyond Syllabus

Course Delivery Methods	Relevance to POs and PSOs	Justification
Lectures	PO1, PO2, PO3, PO7, PO8	Lectures are used to explain significant information to the students to relate real-world concepts to the courses.
Workshops	PO2,PO3,PO5	Workshops are organized to provide hands-on training to the students which helps to apply the theory knowledge practically. Students will learn about modern tool usage.
Presentations	PO5,PO10	Presentations are given to illustrate new technologies and ideas
Lab Experiments	PO1,PO2,PO3,PO4,PO5,PO9,PO11, PO12, PSO1, PSO3	Lab Experiments are conducted to convert theory knowledge into practical. So that, the students can understand the concept easily.

2022-23

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	CS3452 -Theory of Computation - NPDA Execution	Lecture	15/02/2023	Mrs. B. Neelu, Assistant Professor/CSE, P.S.V College of Engineering, Krishnagiri.	95	PO4,PO5
2	CS3352- Foundation of Data Science- Data collection and management	Lecture	23/08/2022	Dr. S. Chandra Sekaran, Professor/CSE, P.S.V College of Engineering and Technology,Krishnagiri.	97	PO5,PO6
3	IT8075- Software Project Management - RMMM Plan	Webinar	08/09/2022	Mrs. K.Nandini, Assistant Professor/CSE, P.S.V College of Engineering, Krishnagiri	94	PO5, PO11
4	CS8791-Cloud Computing- Cloud Computing Basics Using Oracle Fusion	Workshop	28/09/2022	Mr. G. Raju, Executive Director, Apollo Computer Education Ltd, Krishnagiri	90	PO4
5	CS8601- Mobile Computing - Data synchronization in mobile computing systems	Lecture	05/04/2023	Mr. C. Prakash Narayanan, Assistant professor/CSE, P.S.V College of Engineering and Technology, Krishnagiri	98	PO8
6	CS3401- Algorithm- Geometric Algorithms	Webinar	21/04/2023	Mrs. P. ShobanaPritha, Software Developer and Trainer Pvt. Ltd, Chennai	93	PO11
7	CS3491- Artificial Intelligence and Machine learning - Machine Learning is an evolution of AI	Workshop	28/02/2023	Mr.B. Sakthivel, HoD/CSE, P.S.V College of Engineering and Technology, Krishnagiri	92	PO7,PO8

2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	CS8391- Data Structure- Advanced data structures	Lecture	26/07/2021	Mr.B. Sakthivel, HoD/CSE, P.S.V College of Engineering and Technology, Krishnagiri.	98	PO6,PO11
2	CS8494- Software Engineering - development / documentation of their mini project	Webinar	08/03/2022	Dr. M. Srinivasan, HoD/IT, P.S.V College of Engineering and Technology, Krishnagiri	94	PO7
3	CS8591-Computer Network - Canonical form	Lecture	02/09/2021	Mr. C. Prakash Narayanan, Assistant professor/CSE, P.S.V College of Engineering and Technology, Krishnagiri	90	PO6,PO11
4	CS8603- Distributed System- Design of multimedia system	Seminar	07/10/2021	Dr. S. Chandra Sekaran, Professor/CSE, P.S.V College of Engineering and Technology, Krishnagiri	92	PO8,PO11
5	CS8079- Human Computer Interaction - Human Environment Interaction	Webinar	24/09/2021	Mrs. B. Neelu, Assistant Professor/CSE, P.S.V College of Engineering, Krishnagiri	96	PO5
6	CS8651-Internet Programming - Angular JS	Seminar	01/04/2022	Mrs. P. ShobanaPritha, Software Developer and Trainer Pvt. Ltd, Chennai	90	PO11
7	CS8080 – Information Retrieval Techniques- Applications in genomicsCS8080 – Information Retrieval Techniques- Applications in genomics	workshop	22/04/2022	Mr. G. Raju, Executive Director, Apollo Computer Education Ltd, Krishnagiri	95	PO4
8	CS8602- Complier Design- Introduction and Rationale	webinar	09/05/2022	Mrs. B. Neelu, Assistant Professor/CSE, P.S.V College of Engineering, Krishnagiri	96	PO5
9	CS8691- Artificial Intelligences - Cyber Security	Seminar	02/03/2023	Mr.B. Sakthivel, HoD/CSE, P.S.V College of Engineering and Technology, Krishnagiri	96	PO11

2020-21

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	CS8392- Object Oriented Programming – swing	Webinar	10/12/2020	Dr. M. Srinivasan, HoD/IT, P.S.V College of Engineering and Technology, Krishnagiri	96	PO11
2	CS8592- Object Oriented Analysis and Design - CASE tools for performing OOAD	Lecture	08/12/2020	Mr.B. Sakthivel, HoD/CSE, P.S.V College of Engineering and Technology, Krishnagiri	95	PO7
3	CS8792- Cryptography and Network Security - RC5	Lecture	24/12/2020	Dr. S. Chandra Sekaran, Professor/CSE, P.S.V College of Engineering and Technology, Krishnagiri.	92	PO6
4	CS8491- Computer Architecture- RAM, ROM, Secondary memory	Seminar	25/02/2021	Mrs. K.Nandini, Assistant Professor/CSE, P.S.V College of Engineering, Krishnagiri	96	PO8,
5	CS8493-Operating System - Event-Driven Threaded Paradigms	Seminar	21/04/2021	Dr. M. Srinivasan, HoD/IT, P.S.V College of Engineering and Technology, Krishnagiri	95	PO6
6	CS8492 – Database Management System – Oracle Database system Architecture.	Workshop	07/05/2021	Mr. C. Prakash Narayanan, Assistant professor/CSE, P.S.V College of Engineering and Technology, Krishnagiri	96	PO11
7	CS8451-Design and analysis of algorithms - DSA Coding	Lecture	28/05/2021	Mrs. K.Nandini, Assistant Professor/CSE, P.S.V College of Engineering, Krishnagiri	94	PO8
8	IT8073-Information Security - Applied Cryptography & Network Security	Webinar	04/06/2021	Dr. S. Chandra sekaran, Professor/CSE, P.S.V College of Engineering and Technology, Krishnagiri.	96	P06

2.2 Teaching - Learning Processes (100)   Total Marks 100.00

A. Adherence to Academic Calendar

The Director Academic Courses of Anna University provides Academic Calendar that includes the reopening date, last working date and commencement of both practical and theory End Semester Examination. In addition, Controller of Examinations of Anna University declares the schedule for Conducting the Continuous Internal Assessment Tests, Assessment Entry in the University Web-Portal and End-Semester Practical Examinations Schedule

Date: 02.09.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY:: CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

September 2023 – January 2024 (Odd Semester – Semester III)

UG / PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B. Tech. / B. Arch. (FT)	III	20.09.2023	04.01.2024	05.01.2024	22.01.2024
2.	B.E. / B. Tech. (PT)					
3.	M.E. / M. Tech. / M. Arch.(FT)					
4.	M.B.A. (Full-Time & Part-Time)					
5.	M.B.A. (5 Yrs-Integrated)					

RE-OPENING DAY FOR THE NEXT SEMESTER: 13.03.2024 (Wednesday)

NOTE:
1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed	Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	30.09.2023	Thursday	3.	04.11.2023	Monday
2.	14.10.2023	Monday	4.	09.12.2023	Tuesday

DIRECTOR 02/09/2023
ACADEMIC COURSES

DAC - SB

Fig. No. 2.2.1 (1) Academic Schedule

Controller of Examination Anna University provides an Internal Assessment Schedule that includes the Internal Assessment Test dates

ANNA UNIVERSITY:: CHENNAI 600 025

Internal Assessment Schedule for Non Autonomous Affiliated Institutions

SEPTEMBER 2023 – JANUARY 2024 - (SEMESTER – III)

UG/PG (FT/PT) Degree Programmes

B.E/B.ECH/M.E/M.TECH/M.B.A(FT/PT)/M.B.A(5YRS INTG)/M.ARCH

Report No	Report Period	Test Period	Report Entry Period
I	20-09-2023 -- 13-11-2023	08-11-2023 -- 13-11-2023	24-11-2023 -- 30-11-2023
II	14-11-2023 -- 04-01-2024	29-12-2023 -- 04-01-2024	04-01-2024 -- 05-01-2024

Saturdays may be included as working days to make good the Shortages, if any.

23/11/23
CONTROLLER OF EXAMINATIONS

Fig. No. 2.2.1 (2) Internal Assessment Schedule

Institution Calendar:

The academic calendar of Institution is planned by IQAC and approved by Principal. It has all the tentative academic activities of the Institution. Finally the approved academic calendar is forwarded to all Departments in the beginning of each semester. Based on this the Department academic calendar is prepared by Department Timetable coordinator and approved by the Head of Department.

It includes

- Re-opening day of Semester
- List of Government holidays
- Class Committee Meeting date
- Department Advisory Committee Meeting date
- Internal Assessment test schedule
- Additional courses like add on and Certificate course schedule
- Model examination schedule
- Model Practical schedule
- Last working day of semester
- Mentor and Mentee meeting schedule

Fig. No.2.2.1 (3): Institution Academic Calendar 2023-2024 (Odd Semester)

Implementation

The Calendar of the events is implemented at the department level that is inline with the intuition and Anna University Calendar with minor addition like Symposium, workshop, to fill the gap identified in the Curriculum.

Impact Analysis

It will be effective to complete the syllabus on time and also fill the gap making the student ready for placements and Higher Studies.
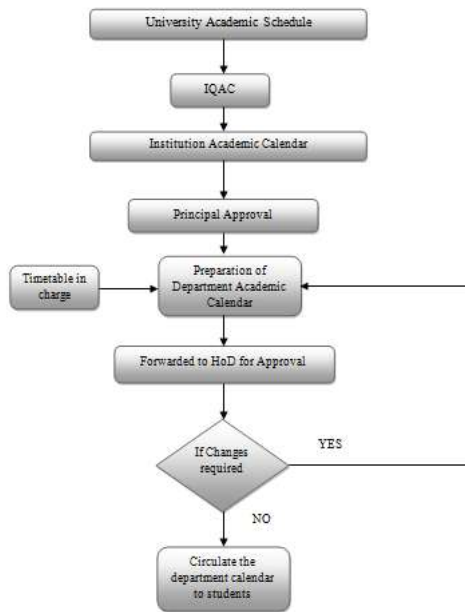

Figure No. 2.2.1 (4): Process for preparation of Department Academic Calendar

B. Use of various instructional methods and pedagogical initiatives

Instructional Methods is a non-traditional form of lecturing, which focuses on demonstration, recitation, memorization, or combinations of all and interaction with students and put forth their views. The objective of Instructional methods is to provide direction for the instructional process by clearly stating the intended learning outcomes.

Pedagogical methods of teaching theoretical concepts help students to develop their recall capacity by remembering all the ideas that were taught to them even after a long gap. Pedagogy enables teachers to influence student learning with an intention to capture the attention of students.
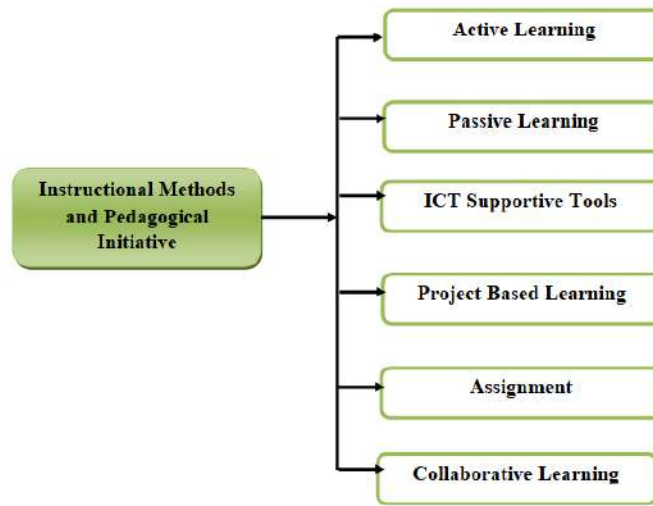
Figure No. 2.2.1(5): List of Instructional Methods and Pedagogical Initiatives.

The Instructional Methods and Pedagogical Initiatives comprise of

i) Passive Learning

This methodology uses the traditional way of teaching using chalk and talk.

ii) Active Learning

Active learning is an approach for actively engaging the students in the classroom. The activities are conducted for short duration to increase the attention span of the student which helps to transfer knowledge in a better way. The various active learning activities are conducted by faculty members are Cross Word Puzzles, Number Puzzles, Random Pickers.

ICT Supported Learning

Information Communication Technology tools helps a teacher and to stand unique. It helps a faculty member to engage Z-generation students ineffective learning and enables learning beyond classroom. Table No. 2.2.1(a) shows the ICT supporting tools such as Google class room, PPT, Canvas used for various courses.

Table No. 2.2.1 (a) ICT supporting tools

Sl. No.	Name of the Course	Name of the ICT Tool used
1.	Mobile Computing	❖ Google Class Room
2.	Operating Systems	❖ Google Quiz
3.	Human Computer Interaction	❖ PPT
4.	Compiler Design	❖ Smart Board
5.	Computer Networks	❖ Canvas
6.	Theory of Computation	❖ Moodle
7.	Grid and Cloud Computing	❖ XMind
8.	Data Structures	❖ LabSter
9.	Object Oriented Analysis and Design	
10.	Fundamentals of Data Structures In C	
11.	Database Management System	

Assignment

Title	Assignment
Course Code/Name	Object oriented Analysis and Design
Instructor Name	k. Nandini
Objective	To understand Unified process from other approaches

Implementation:

A Rubric is a type of scoring guide that assesses and articulates specific components and expectations for an assignment. Rubrics can be used for a variety of assignments: research papers, group projects, portfolios, and presentations.

Rubrics are most often used to grade written assignments. Students can use them for self-assessment to improve personal performance and learning. Encourage students to use the rubrics to assess their own work.

Impact analysis:

Motivating students to improve their work by using rubric feedback to resubmit their work incorporating the feedback. This will help to judge whether the rubric is clear to them and will identify any weaknesses.

Project Based Learning

During the period of study, many projects during National Engineers day celebrations and major projects in VI semester were given to the students. Students were encouraged to connect their project to the industry related problems.

List of Projects conducted on National Engineers Day (15.09.2023) is shown in the below table No. 2.2.1 (a)

Table No. 2.2.1 (a): List of Projects Expo in the National Engineer Day

S.No	Register Number	Name of The Student	Title of The Project	Name of The Guide / Supervisor
1.	611821104001	Ajai. S	E-Commences	R. Monisha
2.	611821104033	Poovarasan S		
3.	611821104063	Yokesk.N		
4.	611821104005	Bhavya.M	Women Safety Device	R. Monisha
5.	611821104004	Balaji .M	Card Management System	R. Monisha
6.	611821104024	Likkith Kumar. M		
7.	611821104036	Praveen Kanth M		
8.	611820104029	Mansoor Basha A	Game With Slark Bot	R. Monisha
9.	611820104026	Lingeshwaran A		
10.	611820104032	Mohammed Affan A.M		
11.	611820104308	Yogesh Waran S	Resturatant Table Booking	R. Monisha
12.	611820104016	Harish.V		
13.	61182010402	Lauhiit J H		

Gallery of National Engineer Day (15.09.2023)

C. Methodologies to support slow learners and encourage bright students

Students who have no backlog in the End semester assessments and performing well in the Internal Assessment Tests class room activities are categorized as bright students. Process of identification of weak and bright students and action taken are illustrated in Figure No. 2.2.1(6)
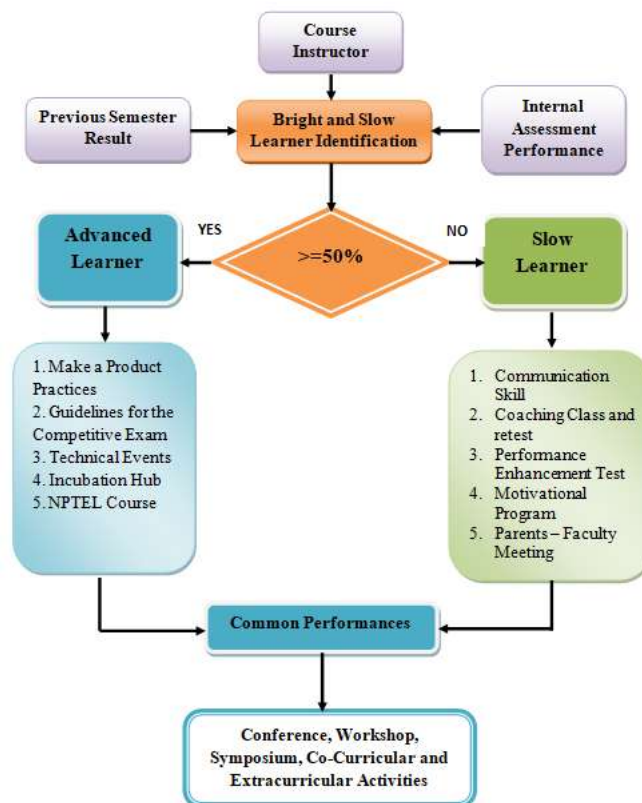

Figure No. 2.2.1(6): Process of identification of weak and bright students and action taken

Methodology to support the weak students for active participation in the Teaching-Learning process

Students who have backlog in the End semester assessments and needs extra coaching are categorized as weak students.

Methodology to enrich the skills of weak students

1. Communication Skill
2. Coaching Class and retest
3. Performance Enhancement Test
4. Motivational Program
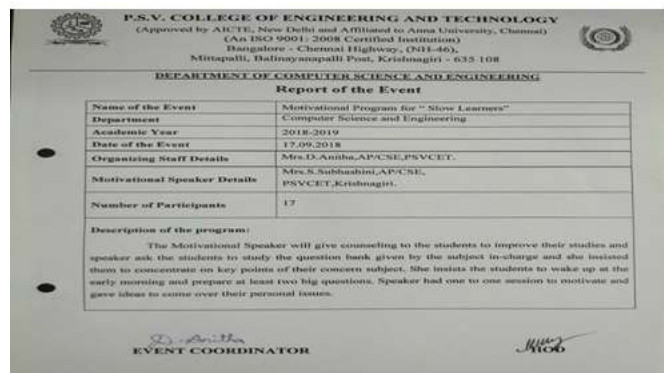5. Parents – Faculty Meeting

Communication Skill

Communication skills are the abilities you use when giving and receiving different kinds of information. Some examples include communicating new ideas, feelings or even an update on your project. Communication skills involve listening, speaking, observing and empathizing. In our department we have conducted communication english classes for II,III,IV Year slow learners students and sample has been shown.

Circular	Schedule

Slow Learner List	Attendances

Motivational Program

In our department we have organized motivational program for slow learners as shown below

Impact Analysis for Assisting Slow Learners:

Based on the above Methodology taken for slow learner students, the follows results have been obtained.

- A Motivational program makes slow learners to boost their university results.
- The students improve their the skill in Communication class.

Methodology to support the bright students for active participation in the Teaching-Learning process

Students who don't have backlog in the End semester assessments are categorized as Advanced learners

Methodologies to encourage bright students

- Students are motivated to register NPTEL certification courses.
- Students are encouraged to participate in various competitions.
- Toppers are rewarded with prizes and certificates
- Bright students with high academic track records are encouraged by faculty to achieve University ranks.
- Bright students are encouraged to do research work and to publish their work in National and International Journals
- Bright students are motivated and supported by the faculty to prepare for competitive Exams like TANCET,GATE, GRE, etc.,

Incubation Hub

Students are also participated in grand final of Smart India Hackathan in 2022 as shown in figure 2.2.1(8)

Figure No. 2.2.1(7): Participation of Final year students and faculties in SIH 2022 at Maharastra

Technical Event

Technical Event

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

- All the classrooms are spacious, furnished and well-equipped with fiberboard.
- LCD projector facility allows a teacher to make power point presentations share videos etc.
- Smart classroom facility enhances digital learning.
- At the end of each lecture hour, the faculty summarizes the topic covered To enhance the understanding of the students, Self-learning, Collaborative learning and Interactive learning is entertained

Figure No. 2.2.1(8): ICT Enanbled Class Rooms

Impact Analysis

Teaching learning process is effective and improving the communication Knowledge and every class room we have pin board to make new updating

E. Conduct of experiments (Observation in Lab)

- All laboratories are well established with state of art equipments and software.
- It is mandatory to conduct all the experiments prescribed in the syllabus
- Students are instructed and follow the DO's and DON'T's displayed in the lab
- Students are advised to attend lab session in proper dress code
- Faculty briefs about the experiment to be performed in advance to the students along with its observations and interference
- Students' attendance is recorded and observation note is verified for preparedness
- Experiment is conducted with the help of faculty members and all observations are made
- The students are trained in viva-voce questions to develop their technical knowledge.

Course Code: CS3352

Course Name :Foundation of Data Science

Instructor Name: Dr. S. Chandra Sekaran, HOD/CSE.
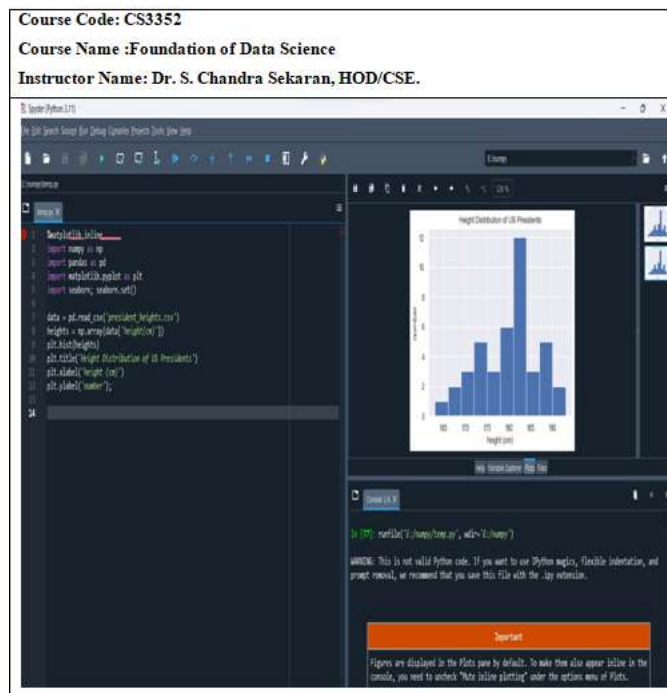
Figure No. 2.2.1(9): sample lab Experiment with output

Impact Analysis

The student will enjoy the experimental learning while doing in real time practices.

F. Continuous Assessment in the laboratory

As per Anna University regulation 2017, 75 marks shall be awarded for successful completion of all the prescribed experiments done in the laboratory and 25 marks for the test. The total mark shall be reduced to 20 and rounded to the nearest integer

The continuous assessment in the laboratory is followed two assessment methods.

- Continuous experiment assessment
- Model practical examination

1. Continuous experiment assessment

The faculty members handling respective labs conduct periodic reviews of individual students to assess their practical competence

S.NO	DESCRIPTION	MARKS
1	Aim and Algorithm	10
2	Program & evaluation	20
3	Result	10
4	Viva	10
Total		50

2. Model practical examination

A model practical examination of 3 hours duration is conducted after the completion of all experiments for 100 marks. The assessment for model practical examination is done using scheme of the evaluation.

A sample Scheme of evaluation for CS8392-Object oriented programming laboratory the course is shown in the following table

Scheme of evaluation for Complier Design laboratory the course		
S.NO	DESCRIPTION	MARKS
1	Aim and Algorithm	20
2	Program &evaluation	40
3	Result	20
4	Viva	10
5	Record	10
Total		100

Practical record book

Students have to write detailed theory behind the experiments in the practical record book in which learning is recorded based on the procedure, discussion of the results and inferences. It is the one of the assessment tool for end semester examination. It carries 20 marks. The sample copy of bona-fide certificate and the Index page of the student's record note is shown in fig 2.2.1 (10)

Page 34 of 220

Course Code : CS3501 , Course Name: Complier Design

Instructor Name : B. Neelu , AP/CSE
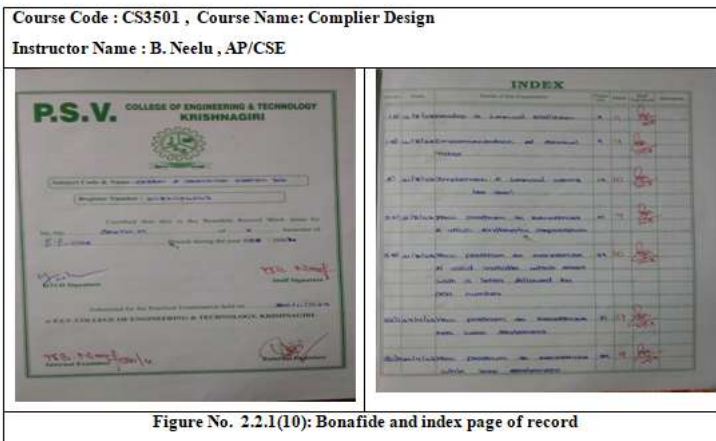
Figure No. 2.2.1(10): Bonafide and index page of record

Impact Analysis

We have perfect continuous evaluation assessment in laboratory they learn time management and how to conduct experiment.

G. Student feedback of teaching learning process and actions taken

Feedback is an essential part of quality teaching and learning process. It helps students understand the subject being studied and gives them clear guidance on how to improve their learning. The academic feedback is more strongly and consistently related to achievement than any other teaching behavior. The various Feedback format is collected from the students related to Teaching - Learning process shown in the below Table

S. NO	FEEDBACK METHOD	FREQUENCY OF COLLECTION
1	Class Committee Meeting	1 Per Semester
2	Student Feedback System	2 Per Semester

Class Committee Meeting

1. The class committee comprises of students representing various categories like the fast learners, slow learners, senior faculty, class handling faculty , tutors and the HoD may also attend the meeting.
2. The meeting is convened twice a semester to discuss the academic progress of the students and improvement required in the teaching learning practices. The meeting is convened twice a semester.
3. The first meeting shall be in the beginning of the semester and will be used to assess the performance of the class in the previous semester.
4. The second meeting shall be called early in the second half of the semester, and shall be used to provide feedback and course correction for the curricular and co-/extra-curricular activities of the class.
5. To convey the feedback of teachers regarding the class, attendance and to set their expectations for students .These issues may come up in the open feedback, but if they don't, an attempt could be made to elicit the private response of students regarding these elements.
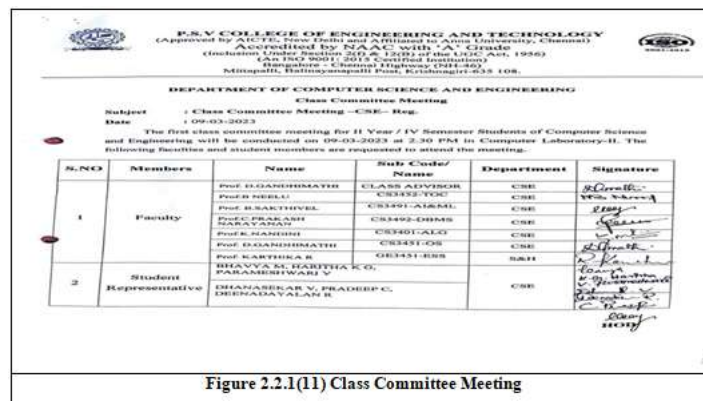
Figure 2.2.1(11) Class Committee Meeting

Student Feedback System

- Every student is expected to give the feedback two times per semester on various parameters.
- The feedback collected from the students are summarized and the weighted score for each parameter is calculated.
- Based on the weighted score suitable changes are made in the teaching and learning process in the subsequent semester
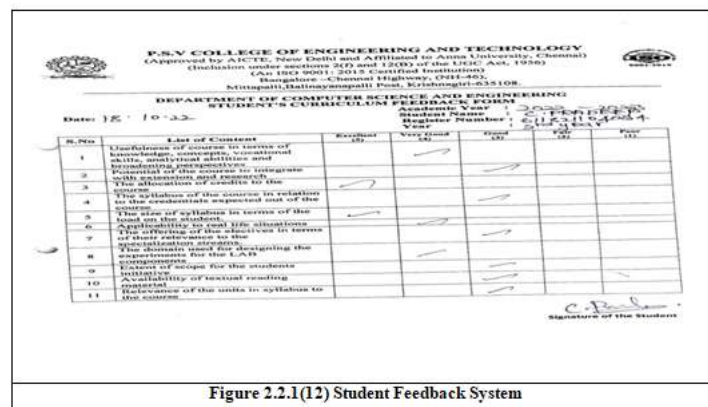
Figure 2.2.1(12) Student Feedback System

Impact Analysis

- Motivated and made to participate in the Smart India Hackathon Program, Make-A-Thon(ICT), and Cybercrats, Hackathon.
- Bright learners are encouraged to develop many projects in Project expo.
- Students are encourage to participate in NPTEL and SWAYAM Course.

Table 2.2.1 G .1 Smart India Hackathon

S.No	Register No	Student Name
1	611818104032	SASIKIRAN.G
2	611818104008	BHAGAVAAN.S
3	611818104042	VICKRAM.S

Table 2.2.1 G .2 Cybercrats Hackathon

S.No	Register No	Student Name
1	611820104035	MURUGAN.M
2	611820104034	MUKESH.M
3	611820104304	JAMES ANTONY RAJ.P

Table 2.2.1 G .3 Make-A-Thon(ICT)

S.No	Register No	Student Name
1	611820104035	MURUGAN.M
2	611820104304	JAMES ANTONY RAJ.P

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

Institute Marks : 20.00

A. Process for Internal Assessment Question Paper Setting And Evaluation And Effective Process Implementation

QUESTION PAPER SETTING

- The systematic procedures are followed before submission of the internal assessment question papers to the Exam cell. Two sets of Assessment exam question papers (IAT-1, IAT-2, and IAT-3) are collected well in advance which strongly emphasizes the completion of the syllabus before the assessment examination.

- Syllabus coverage form is also collected before the start of the assessment to ensure completion of portions. Any incompliance in syllabus coverage for a particular course is allotted a schedule on the day before the start of assessment tests. Since two sets of question papers have been collected, there will not be any outflow in the question paper. The Head of the Department is responsible for scrutinizing the question paper based on IQAC standing operating procedure of IAT questions after he scrutiny the course instructor will submit the question paper to Exam Cell.

- For 2017 regulation three Internal Assessment tests per semester are conducted based on completion of syllabus coverage within the test schedule prescribed by Anna University.

IAT	Duration	Syllabus	Pattern	Total Marks
1	1.30 Hrs	1 & Half of Unit 2	Part A (10X2=20) Part B (15X2=30)	50Marks
2	1.30 Hrs	Half of Unit 2 & Unit3	Part A (10X2=20) Part B (15X2=30)	50Marks
3	1.30 Hrs	Unit 4 & Unit 5	Part A (10X2=20) Part B (15X2=30)	50Marks

- For 2021 regulation Two Internal Assessment Tests per semester are conducted based on completions of syllabus coverage within the test schedule prescribed by Anna University.

IAT	Duration	Syllabus	Pattern	Total Marks
1	3 Hours	Unit 1,2 and Half of Unit 3	Part A (10X2=20) Part B (13X5=65) Part C (15X1=15)	100Marks
2	3 Hours	Half of Unit 3, Unit 4 and 5	Part A (10X2=20) Part B (13X5=65) Part C (15X1=15)	100Marks

- Two sets of question papers are prepared by the course instructor for each theory subject based on course outcomes of the particular subject
- Questions are taken based on the Bloom Taxonomy and course outcome.
- Those question papers will be scrutinized by the HoD to evaluate the quality and standard of the question paper.
- Soft copies and hard copies of question papers are submitted to the Exam Cell with the answer key.
- Answer scripts need to be evaluated within 2 days.
- Evaluated papers are distributed to the students for their verification. Grievance forms are collected from the student if they have any discrepancies.
- Answer scripts evaluation audit report is submitted to the principal by the Head of the department to ensure the standard evaluation.
- Faculty members are instructed to give assignments to students on various topics that come under their syllabus for better involvement in the particular subject.
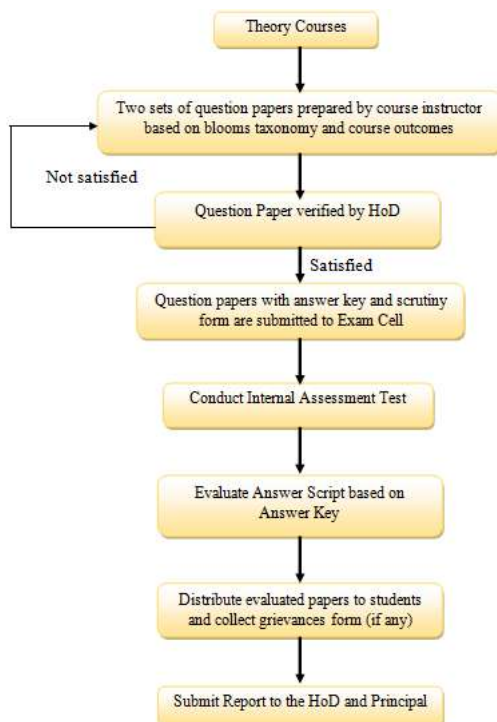
Figure No.2.2.2(1): Process of Internal Assessment Question Paper setting and evaluation

Evaluation and Effective Process Implementation

- The Direct assessment marks system in general reflects the performance of the students both in theory and lab.
- The course instructor will guide the students properly which emphasizes the growth of various abilities thereby enabling the course instructor to take corrective action as and when required.
- In Anna University, internal marks were calculated based on four entries for the 2017 regulation and two entries for the 2021 regulation in web portal marks.

Figure No. 2.2.2(2): Sample Question IAT Question Paper - 2017 Regulation
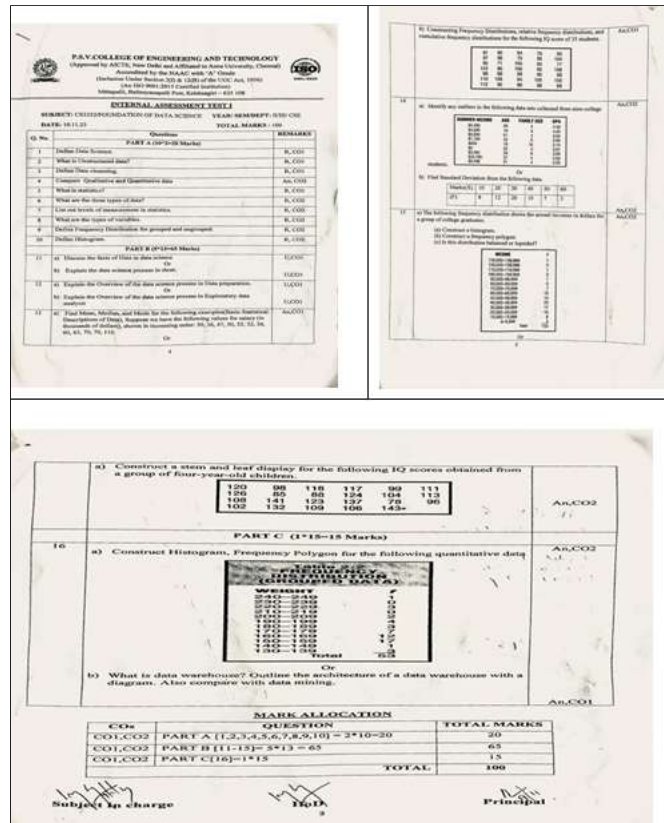
Figure No. 2.2.2(3): Sample Question IAT Question Paper - 2021 Regulation

B. Process to ensure Questions from Outcomes/Learning Levels Perspective

- Each question in Internal Assessment Test (IAT) is mapped with COs and POs of each subject.
- The marks gained by each student in each COs for each internal assessment component is taken into consideration for the calculation of CO-PO attainments
- Faculty members are advised to attend workshops, FDP and orientation program to develop their skills on question paper setting. Faculty members are trained to set more analytical questions compared to knowledge based questions. As a result, the analytical skills are tested through tests/exams.
- The Head of the Department will review the quality of internal test questions before sending the question papers to the exam cell. If needed, the question papers are reframed and changed based on the comments and review of HoD for quality enrichment.

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

- For 2017 regulation three Internal Assessment tests per semester are conducted based on completion of syllabus coverage within the test schedule prescribed by Anna University.
- For 2021 regulation Two Internal Assessment Tests per semester are conducted based on completion of syllabus coverage within the test schedule prescribed by Anna University.
- Remedial classes will be planned before the day of the assessment test from 1.30 pm to 4.30 pm, where students can discuss with their faculties, regarding the subject and also faculties can plan the conduct of class for the important topic so that the absentees for the regular class will get a benefit.
- A test report has been designed and is to be maintained by the HoD. Test report comprises of number of students who passed, number of students more than average level, and reason for poor performance and corrective action. The test report enables the course instructor to continuously monitor the students' performance and it also acts as a follow-up report which Details will be entered after each test which helps in the continuous monitoring of a subject by the Heads. This serves as a node where a clear focus on the subject can be made.

IAT	CO 1	CO 2	CO3	CO 4	CO 5
IAT 1	PART A 1,2,3,4,5 PART B 11,12	PART A 6,7,8,9,10 PART B 13			
Marks	30 Marks	20 Marks			
IAT 2		Part B 11	Part A 1,2,3,4,5,6,7,8,9,10 Part B 12, 13		
IAT 3				Part A 1,2,3 Part B 11,12	Part A 4,5,6,7,8,9,10 Part B 13
Marks				26Marks	24 Marks
Grand Total	30 Marks	30 Marks	40 Marks	26 Marks	24 Marks

D. Quality of Assignment and its relevance to COs

- Three modes of assignments are introduced: Paper Work, Seminar and Presentation to enhance the teaching learning process. Assignment topics can be finalized based on the gap identified through CO – PO mapping and Blooms taxonomy.
- To encourage the students self learning habits, course instructor include real time and complex analytical problems in Assignment questions.
- Modes of assignment and submission deadlines will be included in course plan of a subject, so that students can plan in prior.
- Students utilize e-library and make use of higher standard references to ensure high quality work.

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

Project Initiatives

- As a part of the Anna university curriculum, the project work will have positive impact on the students for adaption of participatory approach in learning process.
- Students project are selected under department vision ,mission and program outcomes
- It is vital to promote the spirit of inquiry among final year students.
- During the project review process the students collect the literature survey (previous work related to the area), the project architecture design and continuous evaluation process .Similarly, the industrial projects are also planned and scheduled as per industrial requirement. It could be monitored by the guide in proper intervals.

A Identification and Allocation Methodology

- The project groups are then informed to submit the title and synopsis by the end of 7 Semester.
- Students are allowed to identify the project, based on their interested domain. They are encouraged to choose industrial problems based on the previous inplant training of the concerned industries.
- Project Coordinator circulate the information of faculty specialization to the students.
- The guides are allocated based on their specialization or domain by the project coordinator and Head of the Department.
- The list of previous year projects is displayed at the notice board which ensures no repetition of project work and also encourages students to enhance the previous works.
- The strength of team may vary from 1 to 4, not exceeding 4.
- A zeroth review is conducted at the beginning of the 8 semester.

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

Table No. 2.2.3(a): Sample Student Projects CAYm1(2022-2023)

S. No	Name of the Students	Title of the Project	Area of Specialization	Contribution/ Achievements / Research Output Environment, safety, ethics, cost, type (application, product, research, review etc.)	Internal Guide	PO&PSO Mapping
1	Durga.P	Real Time Diagnosis and Automatic Node Analysis System	Networking	Application	Prof. K.Nandini	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12,PSO1, PSO2
2	Lokeshwari.J					
3	Vaisali.S					
4	Sandhya .S					
5	Monisha.T.S	Implementation of Data Privacy with Multiple Key Generation in Cloud Storage System	Cloud Computing	Application	Prof. B.Neelu	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO2
6	Bhavatharani.M					
7	Devi.S					
8	Sowmiya.A					

Table No. 2.2.3(b): Sample Student Projects CAYm2 (2021-2022)

S. No	Name of the Students	Title of the Project	Area of Specialization	Contribution/ Achievements / Research Output Environment, safety, ethics, cost, type (application, product, research, review etc.)	Internal Guide	PO&PSO Mapping
1	Abinaya.D	Design And Implementation of Financial Transaction of Blockchain Technologies Using Generative Adversarial Network	Blockchain Technology	Application	Prof. K.Nandini	PO1,PO2, PO3,PO4, PO5,PO6, PO7,PO8, PO9,PO10, PO11,PO12, PSO1,PSO2
2	Monisha.S					
3	Mohammed Adnan.A.I	Implementation of Psychological Stress Prediction on Social Media Content Posting	Data Analytics	Application	Prof. C.Prakash Narayanan	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10,PO11, PO12, PSO1,PSO2, PSO3
4	Vignesh.S					

Table No. 2.2.3(c): Sample Student Projects CAYm3 (2020-2021)

S.No	Name of the Students	Title of the Project	Area of Specialization	Contribution/ Achievements / Research Output Environment, safety, ethics, cost, type (application, product, research, review etc.)	Internal Guide	PO&PSO Mapping
1	Archana. G	Implementation of 3D Data Acquisition for Multidimensional Image Reconstruction Processing	Image Processing	Application	Prof. D.Gandhi mathi	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1,PSO2, PSO3
2	Reshma. S					
3	Suriyakala. C					
4	Vijayalakshmi. G					
5	Bhuvaneshwari. T	Implementation of Smart Helmet to Detect Accident Using Internet of Things(IoT)	Internet of Things	Application	Prof. B.Neelu	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1,PSO2, PSO3
6	Daisypriya. M					
7	Janani. B					
8	Kalaiyarasi. M					

C. Project Monitoring and Evaluation

- The project is approved by the evaluation committee after the zeroth review.
- Students periodically interact with their guides during the project period regarding their project work. Evaluation Committee thoroughly scrutinizes the performance and involvement of each student and helps the student to execute the project in the proper direction by conducting internal reviews.
- Student team gives the presentation on identified problem during zeroth review. If the identified problem is not having scope to the particular project then students are asked to select another problem idntified.
- The identified problem is feasible and concurrent then the student might go for review1 etc.
- There shall be three reviews (each 100 Marks) during the project period.
- Students should complete their project work and submit the project report to internal guide as per university prescribed format for appearing to the end semester examinations.

Demonstration of Project

- The students will demonstrate the working modules during third review of project and end semester examination.

Attainment of POs and PSOs

- After categorizing the projects, the POs and PSOs are mapped and the attainment levels are assessed based on individual Project.
- A project which falls under the category of "Innovation Ideas" is encouraged for publication in various journals/ conference
- The outcome of the project will help to
  - Raise to a higher degree,
  - Incorporate sustainable environment friendly solutions,
  - To carry out project as a team to cultivate leadership skills, communication skills and team spirit.

Project Schedule

Table No. 2.2.3(d): Project Schedule

Sl. No.	Level of Completion	Schedule
1	Student Team Identification	End of 7th semester
2	Identify the faculty specialization	End of 7th semester
3	Title and Synopsis	End of 7th semester
4	Presentation of zeroth review	1st week of 8 semester
5	First and Second review	3rd week and 8th week of 8 semester
6	Demonstration of Project	10th week of 8th semester
7	End semester examination	13th week of 8th semester

D. Process to assess individual and team performance
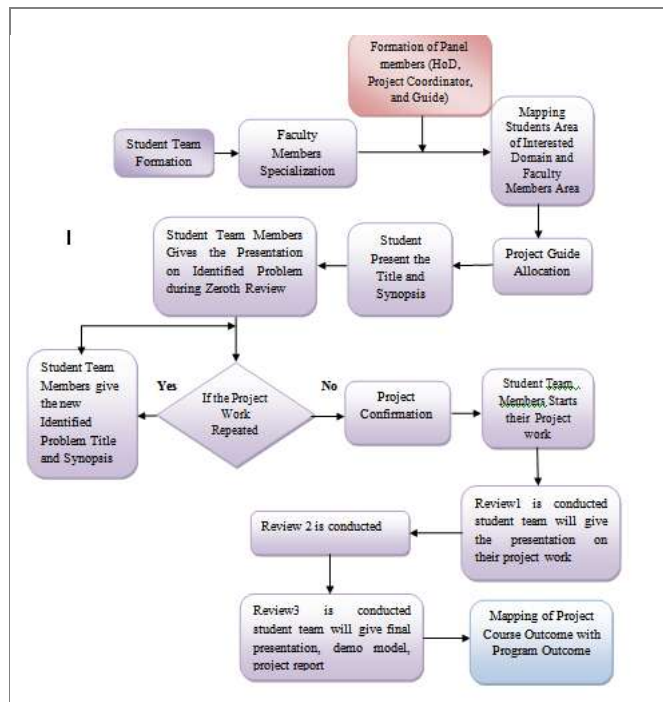
Figure No. 2.2.3(1): Process to assess Individual and Team Performance

Rubrics for Student's Project

			End Semester Examinations						
Review I	Review II	Review III	Thesis Submission (30)		Viva Voce (50)			Total
			Internal	External	Internal	External	Supervisor	
5	7.5	7.5	15	15	15	20	15	100

Course Outcomes for Project Work

1. Gain domain knowledge and technical skill set required for solving industry/research problem.
2. Provide solution architecture, module-level designs ,algorithms
3. Implement, test, and deploy the solution for the target platform
4. Prepare detailed technical report, demonstrate and present the work

Assessment Component	CO1	CO2	CO3	CO4	Total
Review1	60%	40%			100%
Review2		75%	25%		100%
Review3			50%	50%	100%
Viva voce	10%	20%	30%	40%	100%

RUBRICS FOR REVIEW – I (5)

		Level of Achievement						
		Excellent(5)	Good (4)	Average(3)	Acceptable(2)	Unacceptable(1)	COs,	POs
a	Identification of Problem Domain and Detailed Analysis	Detailed and extensive explanation of the purpose and need of the project	Good explanation of the purpose and need of the project	Average explanation of the purpose and need of the project;	Moderate explanation of the purpose and need of the project	Minimal explanation of the purpose and need of the project	CO1	PO1, PO2
b	Study of the Existing Systems and Feasibility of Project Proposal	Detailed and extensive explanation of the specifications and the limitations of the existing systems	Collects a gradual of information and a good study of the existing systems;	Moderate study of the existing systems; collects some basic information	Explanation of the specifications and the limitations of the existing systems is not very satisfactory; limited information	Minimal explanation of the specifications and the limitations of the existing systems, in - complete information	CO1	PO2
c	Planning of Project Work and Team Structure	The time frame properly specified and being followed Appropriate distribution of project work	The time frame properly specified and being followed Distribution of project work in appropriate	The time frame properly specified, but not being followed Distribution of project work un-even	The time frame properly specified, but not being followed Un-even distribution of project work and no synchronization	Time frame not properly specified In appropriate distribution of project work	CO2	PO9

RUBRICS FOR REVIEW – II (7.5)

		Excellent(7.5)	Good (5.5)	Average(4.5)	Acceptable(2)	Unacceptable(1)	COs,	POs
		Level of Achievement						
a	**Objectives and Methodology of the Proposed Work**	All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are specified	Good justification for the objectives; The Methodology to be followed is specified but detailing is not done	Incomplete justification of the objectives proposed; Steps are mentioned but unclear; without justification of objectives	Only Some objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are not specified properly	Objectives of the proposed work are either not identified or not well defined ;Incomplete and improper specification	CO2	PO3
b	**Design Methodology**	Division of problem into modules and a good selection of computing framework. Appropriate design methodology and proper justification	Division of problem into modules and a good selection of computing framework. Design methodology not properly justified	Division of problem into modules but the in appropriate selection of computing framework. Design methodology not defined properly	Partial division of the problem into modules and in appropriate selection of computing framework. Design methodology not defined properly	A modular approach not adopted. Design methodology not defined	CO2	PO3
c	**Development Methodology and Presentation**	The development methodology is appropriate. There is Proper eye contact with the audience and a clear voice with good spoken language	The development methodology is appropriate. Clear voice with good spoken language but less eye contact with the audience	The development methodology is appropriate but not delivered. No Eye contact ,and unclear voice	The development methodology is not appropriate Eye contact with few people and an unclear voice	The development methodology is not appropriate and not well delivered Poor delivery of presentation	CO3	PO9, PO10,PO11,PO12

RUBRICS FOR REVIEW – III (7.5)

		Excellent(7.5)	Good (5.5)	Average(4.5)	Acceptable(2)	Unacceptable(1)	COs,	POs
		Level of Achievement						
a	**Generate information through appropriate tests to improve**	Able to apply information for the improvement	Able to collect information but not able to apply it for improvement	Able to follow testing procedures but not able to collect information	Able to identify but not able to follow testing procedure	Not able to identify suitable tests to be done	CO3	PO3
b	**Use appropriate procedures, tools, and techniques to conduct experiments and collect data**	Able to collect data as per the standards	Able to follow procedure but not able to collect data	Able to conduct experiments but not able to follow the procedure	Able to identify but not able to conduct experiments	Not able to identify tools, techniques, and procedures	CO3	PO4
c	**Analyze and deliver effective oral presentations to Industrial Experts**	Able to identify errors and limitations Deliver effective presentation and able to answer all queries of the audience	Able to correlate but not able to identify errors and limitations, Deliver effective presentations but able to answer partially to the Industry Experts queries	Able to analyze data but not able to correlate them. Able to deliver fair presentation but not able to answer the audiences	Able to understand but not able to analyze data. Could not deliver a presentation, but a presentation was prepared and attempted.	Could not deliver effective presentations. No Contribution from an individual to a team	CO4	PO10,PO11,PO12, PO4

RUBRICS FOR REVIEW – IV (80)

		Excellent(80)	Good (64)	Average(48)	Acceptable(32)	Unacceptable(16)	COs,	POs
		Level of Achievement						

		All defined objectives Are achieved Each module works well and properly demonstrated All modules of the project are well integrated and system working is accurate	All defined objectives Are achieved Each module works well and properly demonstrated Integration of all modules is not done and tthe system working is not very satisfactory	All defined objectives Are achieved. Modules are working well in isolation and properly demonstrated Modules of the project are not properly integrated	Some of the defined objectives are achieved Modules are working well in isolation and properly demonstrated Modules of the project are not properly integrated	Defined objectivesAre not achieved. Modules are not in proper working form which further leads to the failure of an integrated system	CO1,CO2	PO3
a	Demonstration and Presentation							
b	Project Report	The project report is according to the specified format References and citations are appropriate and well-mentioned	The project report is according to the specified format References and citations are appropriate but not mentioned well	The project report is according to the specified format but some mistakes Insufficient references and citations	The project report is not fully according to the specified format Insufficient references and citations	The project report was not prepared according to the specified format References and citations are not appropriate	CO3	PO3
c	Evaluation by Supervisor	Teamwork: collaborates and communicates effectively	Teamwork: exchanges some views but requires guidance to collaborate with others.	Teamwork: makes little or no attempt to collaborate in a group	Teamwork: little attempt to collaborate in a group situation	Teamwork: no attempt to collaborate in a group situation	CO4	PO4 PO9, PO10,PO11,PO12

E. Quality of completed projects/working prototypes

- Completed projects are kept in laboratory for students reference.
- Best projects are presented in conferences and inter/ college competitions.
- Student projects are displayed in project Expo
- List of best projects for three academic years are given below

Table No. 2.2.3(e): List of Best Projects

Academic year	Register Number	Name of the student	Title of the Project
2022-2023	611819104015	Gangadharan M	Implementation Of Virtual Mouse Using Hand Gesture
	611819104018	Jayarahul. V	
	611819104022	Kavin.T.S	
	611819104030	Naveenkumar S	
	611819104009	Devipriya. S	Implementation Of Web Application Vulnerabilities WithSql Injection Prevention On Cloud
	611819104032	Nivedha. P	
	611819104042	Shamritha P R	
2021-2022	611818104005	Aravindhan V	Design And Implementation Of Face Mask DetectionKeras,Tensorflow,Open-Cvand Deep Learning
	611818104008	Bhagavaan S	
	611818104042	Vikram S	
	611818104019	Mohankumar V	Design And Implementation Of Web Based Chat Application Using Diffing Algorithm
	611818104033	Sasikumar R	
	611818104032	Sasikiran G	
2020-2021	611817104001	Abdullah. M	Analysis Of Real time Data Localization On Unstructured Data Sending Through Noisy Environment
	611817104018	Kalai Selvam. S	
	611817104040	Shoaib Akhthar. N	
	611817104051	Vinayakamuruthi J	
	611817104010	Elakiya. V	Implementation Of Distributed Fault Detection In Wireless Sensor Network
	611817104038	Shalini. A	
	611817104043	Sujothi M	
	611817104045	Swetha.C	

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

- Students are encouraged to publish papers and present at events.
- Students are motivated to publish their research papers in various National/international conference

Table No. 2.2.3(f): List of Papers Presented in Conferences - CAYm1(2022-2023)

S.NO	REG.NO	NAME OF THE STUDENTS	TITLE	Presented in Conferences
1	611819104013	DURGA P	REAL TIME DIAGNOSIS AND AUTOMATIC NODE ANALYSIS SYSTEM	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
2	611819104025	LOKESHWARI J		
3	611819104055	VAISALI S		
4	611819104036	SANDHYA S		
5	611819104029	MONISHA T S	IMPLEMENTATION OF DATA PRIVACY WITH MULTIPLE KEY GENERATION IN CLOUD STORAGE SYSTEM	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
6	611819104004	BHAVATHARANI M		
7	611819104008	DEVI S		
8	611819104046	SOWMIYA A		
9	611819104012	DIVYA R	IMPLEMENTATION OF EFFICIENT PRIVACY PRESERVING ONLINE FINGERPRINT	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
10	611819104020	JEEVITHA. N		
11	611819104038	SARANYA S		
12	611819104050	TAMILARASI P		
13	611819104016	GAYATHRI E	PREEVENTION OF DATA LEAKERS IN SPARTIAL DOMAIN	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
14	611819104045	SOUMYA PRASAD		
15	611819104058	YUVADHARSHINI K		
16	611819104001	AARTHI M	IMPLEMENTATION OF FINE GRAINED MULTI-CLOUD DATA PROTECTION AND SECURE DATA SHARING OVER THE CLOUD	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
17	611819104041	SHAFIYA AFSAN Z		
18	611819104043	SHARMILA A		
19	611819104052	THRISHA.N		
20	611819104009	DEVIPRIYA. S	IMPLEMENTATION OF WEB APPLICATION VULNERABILITIES WITH SQL INJECTION PREVENTION ON CLOUD	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
21	611819104032	NIVEDHA . P		
22	611819104042	SHAMRITHA P R		
23	611819104044	SHOBIKA T		
24	611819104006	CHANDRU K	IMPLEMENTATION OF DYNAMIC SECURITY SCHEME WITH MUTIPLE KEY GENERATION FOR DATA PROTECTION IN CLOUD COMPUTING	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
25	611819104024	LOKESH V		
26	611819104047	SRINIVASAN.C		
27	611819104005	BHOOBALAN K	ANALYSIS AND IMPLEMENTATION OF CONTENT BASED IMAGE RETRIEVAL (CBIR) SYSTEM USING MACHINE LEARNING	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
28	611819104021	KAVIARASAN R		
29	611819104037	SANJAY KUMAR K		
30	611819104051	THARUNKUMAR K. V.		
31	611819104019	JEEVANANDHAM S	DETECTION OF DIFFERENT RICE BLAST DISEASE USING MACHINE LEARNING ALGORITHM	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
32	611819104028	MOHAN R		
33	611819104033	PRASATH. B		
34	611819104039	SARAVANAN.M		
35	611819104015	GANGADHARAN M	IMPLEMENTATION OF VIRTUAL MOUSE USING HAND GESTURE	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
36	611819104018	JAYARAHUL. V		
37	611819104022	KAVIN.T.S		
38	611819104030	NAVEENKUMAR S		

39	611819104010	DHINESH KUMAR K	IMPLEMENTATION OF REAL TIME SECURE DATA TRANSMISSION USING MODIFIED EFFICIENT MATCHING ALGORITHM	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
40	611819104027	MOHAMMED IMRAN N		
41	611819104040	SEETHARAMAN A		
42	611819104048	SUBHAN BASHA Z		
43	611819104003	ARAVINDH S	IMPLEMENTATION OF INTRUSION DETECTION SYSTEM AGAINST DDOS ATTACK IN MOBILE AD-HOC NETWORK	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
44	611819104014	ELANGKAVI M		
45	611819104049	SUNIL S		
46	611819104007	CHANDRU M	ANALYSIS OF VARIOUS CRIME TYPE USING RANDOM FOREST CLASSIFIER	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
47	611819104031	NIKESH. S		
48	611819104034	RAGUL K		
49	611819104056	VIGNESH D		
50	611819104011	DINESH S	DESIGN AN ALGORITHM FOR DROWSINESS AND IDENTIFY FACE STATE USING (CNN) CONVOLUTIONAL NEURAL NETWORK BASED FACE DETECTOR	Presented the Paper and Participated in International Conference on Advanced Computing and Communication Technology at Francis Xavier Engineering College on 28th and 29th April 2023
51	611819104053	UDHAYA KUMAR K		
52	611819104054	UDHAYA SHANKAR S		
53	611819104057	VIGNESH KANNA S		

Table No. 2.2.3(g): List of Papers Presented in Conferences - CAYm2(2021-2022)

S. No	Reg.No	Name of the Students	Title of the Project	Paper Presentation
1	611818104001	Abinaya D	Design And Implementation of Financial Transaction of Blackchain Technologies Using Generative Adversarial Network	Presented the Paper and Participated in National E-Conference on Innovative Research in Science, Engineering and Management at P.S.V College of Engineering and Technology on 2nd and 3rd August,2021
2	611818104020	Monisha S		
3	611818104017	Mohammed adnan A I	Implementation of Psychological Stress Prediction on Social Media Content Posting	Presented the Paper and Participated in National E-Conference on Innovative Research in Science, Engineering and Management at P.S.V College of Engineering and Technology on 2nd and 3rd August,2021
4	611818104041	Vignesh S		

Figure No. 2.2.3(2): Student participation in Paper Presentation and Awarded 2nd Place

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

Industry-institute interaction provides continuous inputs to better teaching-learning processes, creates awareness among students about the environment of the industry, provides practical exposure to students, and builds self-confidence among students to become entrepreneurs. The above task can be achieved by providing a bridge between the industry and the educational institution. Providing industry-based training through the teaching-learning process creates awareness about the job nature in the industry among students. To promote a good Institute-Industry Interaction with our institute, the following schemes have been undertaken

- Inviting technical experts from the industry to deliver lectures on recent trends and technologies.
- Organizing a wide range of industry perspectives.
- Projects carried out in the industry are jointly guided by the faculty and the industry expert.
- Providing internships to students.
- Organizing workshops, seminars, and webinars with Industry Experts.
- MoUs are signed between the department and related industries/research institutions to effectively transfer technical knowledge and to know how theoretical knowledge can be used effectively.

A. Industry Supported Laboratories

Incubation center maintained in the department to enhance the skills and knowledge of students. Business incubators are institutions that support entrepreneurs in developing their businesses, especially in initial stages. These are organizations geared towards speeding up the growth and success of start-ups and early stage companies. Incubators are used to grow microbial culture or cell cultures. Incubators can also be used to maintain the culture of organisms to be used later. Some incubators are used to increase the growth rate of organisms, having a prolonged growth rate in the natural environment.

Institute has signed many MoU's with the industry in order to upgrade the knowledge of students as shown in below Table

Table No. 2.2.4 (a): Details of Department MoUs

S. No	Name of the Company	Nature of Collaboration	Type of Industries
1.	Sri Jai Technologies, Krishnagiri	Student training Research Work	Software Industry
2.	Thagadur Career Services Private Limited, Dharmapuri	Student training Research Work	Website Development
3	VEI Technologies Pvt. Ltd ,Chennai-600 048	Student training Research Work	Software Industry
4	AJTech Research Labs, Ani Arcade,Coimbatore-641012	Student training Research Work	Website Development

Industry Benefited by updating and upgrading the knowledge base of the industry professionals through management programs designed by the academia, expenditure on internal Research and development and using academia's knowledge base to improve quality and globally competitive products. Overall, effective Academia-Industry Interaction leads to strengthened competitiveness, promotes innovation and new technology development and ensures quality and quantity of Human Resource base.

The department actively engages industrial experts in the following activities for students and Staff:

1. Value Added Courses
2. MoU's

B. The details of the Curriculum for Partial Delivery courses are listed in the following tables for the last three years.

Table No. 2.2.4 (b): Details of Industrial Exchange - CAY(2023-24)

S.NO	Name of the Resource Person/Company	Name of the Program	No of the students attended	No of the students got certified	Duration	Events
1	Mrs. P. Shobana Pritha, Software Developer and Trainer, VEI Technologies Pvt, Ltd, Chennai.	Data Science and its Applications	119	119	24.8.23	workshop
2	Mr.K.Vinoth Kumar, Software Developer and Trainer, Apollo computer education Hosur.	Cloud computing Tools	56	56	1.09.2023	Workshop
3	Mrs.M.Logeswar, Software Developer And Trainer, Chennai.	Basic full stack app	63	63	5.10.2023	Workshop
4	Dr B Ezhilavan, Founder and CEO VEI Technology Chennai	Full Stack Development	119	119	17-07-2023 to 26-07-2023 6 Days	Value Added courses

Table No. 2.2.4 (b): Details of Industrial Exchange - CAY(2022-23)

S. NO	Name of the Resource Person/ Company	Name of the Program	No of the students attended	No of the students got certified	Duration	Events
1	Mr.R Manikandan Founder, INNOVATION Academy for Students	Block chain Technology	111	111	01-08-2022 to 08-08-2022 6 Days	Workshop
2	Mr.R Manikandan Founder, INNOVATION Academy for Students	Cyber Technology	63	63	10-08-2022 to 18-08-2022 6 Days	Value Added courses

Table No. 2.2.4 (c): Details of Industrial Exchange - CAY(2021-2022)

S.NO	Name of the Resource Person/Company	Name of the Program	No of the students attended	No of the students got certified	Duration	Events
1	Mr.R Manikandan Founder, INNOVATION Academy for Students	Ios App Development	33	33	28.08.2021 To 03.09.2021 6 Days	Value Added courses

Table No. 2.2.4 (c): Students Participation in MOU signed Industries

S. No	Batch No.	Reg.No	Name of The Students	Title	Internship/ Project
1	I	611819104013	Durga P	Real Time Diagnosis And Automatic Node Analysis System	VEI Technologies Pvt Limited
2		611819104025	Lokeshwari J		
3		611819104055	Vaisali S		
4		611819104036	Sandhya S		
5	II	611819104029	Monisha T S	Implementation Of Data Privacy With Multiple Key Generation In Cloud Storage System	VEI Technologies Pvt Limited
6		611819104004	Bhavatharani M		
7		611819104008	Devi S		
8		611819104046	Sowmiya A		
9	III	611819104012	Divya R	Implementation Of Efficient Privacy Preserving Online Fingerprint	VEI Technologies Pvt Limited
10		611819104020	Jeevitha. N		
11		611819104038	Saranya S		
12		611819104050	Tamilarasi P		
13	IV	611819104016	Gayathri E	Prevention Of Data Leakers InSpartial Domain	VEI Technologies Pvt Limited
14		611819104045	Soumya Prasad		
15		611819104058	Yuvadharshini K		
16	V	611819104001	Aarthi M	Implementation Of Fine Grained Multi-Cloud Data Protection And Secure Data Sharing Over The Cloud	VEI Technologies Pvt Limited
17		611819104041	Shafiya Afsan Z		
18		611819104043	Sharmila A		
19		611819104052	Thrisha.N		
20	VI	611819104009	Devipriya. S	Implementation Of Web Application Vulnerabilities WithSql Injection Prevention On Cloud	VEI Technologies Pvt Limited
21		611819104032	Nivedha. P		
22		611819104042	Shamritha P R		
23		611819104044	Shobika T		
24	VII	611819104006	Chandru K	Implementation Of Dynamic Security Scheme With Multiple Key Generation For Data Protection In Cloud Computing	VEI Technologies Pvt Limited
25		611819104024	Lokesh V		
26		611819104047	Srinivasan.C		
27	VIII	611819104005	Bhoobalan K	Analysis And Implementation Of Content Based Image Retrieval (Cbir) System Using Machine Learning	VEI Technologies Pvt Limited
28		611819104021	Kaviarasan R		
29		611819104037	Sanjay Kumar K		
30		611819104051	Tharunkumar K. V.		
31	IX	611819104019	Jeevanandham S	Detection Of Different Rice Blast Disease Using Machine Learning Algorithm	VEI Technologies Pvt Limited
32		611819104028	Mohan R		
33		611819104033	Prasath. B		
34		611819104039	Saravanan.M		
35	X	611819104015	Gangadharan M	Implementation Of Virtual Mouse Using Hand Gesture	VEI Technologies Pvt Limited
36		611819104018	Jayarahul. V		
37		611819104022	Kavin.T.S		
38		611819104030	Naveenkumar S		

39		611819104010	Dhinesh Kumar K	Implementation Of Real Time Secure Data Transmission	VEI Technologies Pvt Limited
40	XI	611819104027	Mohammed Imran N		
41		611819104040	Seetharaman A		
42		611819104048	Subhan Basha Z		
43		611819104003	Aravindh S	Implementation Of Intrusion Detection System Against Ddos Attack In Mobile Ad-Hoc Network	Sri Jai Technologies.
44	XII	611819104014	Elangkavi M		
45		611819104049	Sunil S		
46		611819104007	Chandru M	Analysis Of Various Crime Type Using Random Forest Classifier	VEI Technologies Pvt Limited
47	XIII	611819104031	Nikesh. S		
48		611819104034	Ragul K		
49		611819104056	Vignesh D		
50		611819104011	Dinesh S	Design An Algorithm For Drowsiness And Identify Face State Using (Cnn) Convolution Neural Network Based Face Detector	VEI Technologies Pvt Limited
51	XIV	611819104053	Udhaya Kumar K		
52		611819104054	Udhaya Shankar S		
53		611819104057	Vignesh Kanna S		

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

- Huge demand and response from the students for the course
- Increase in employment opportunities
- Industrial visits are arranged for the students. These visits build a strong practical
- Knowledge in students to provide solutions for problems.
- In-plant training are provided to the students to get an industry work culture and
- First-hand information on real-world problems.
- Practical training is given to the students in addition to their regular workouts in
- Laboratories with the help of resource persons from industry.
- Conducted several enrichment courses for students through workshops, seminars, and
- Guest lectures.

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

The industrial related knowledge is essential for all students to succeed in their employment. Industrial visits are given importance, where a batch of students visits a company, interact with the employees, to learn the basic concepts of the field of exposure. The department has excellent relationships with many companies and leverages the same for industry visit opportunities for the students. After the visit, the students prepare a report based on the observations made by them during the industry visit. Students are encouraged to take Industrial visits twice in an academic year.

A. Industrial training for students:

Industrial visits are arranged for the students every year as part of the curriculum which helps them to understand the practical application of their education to real-world scenarios. On their successful completion, a formal report and feedback form is submitted by the students. They are encouraged to share the training as a seminar.

Table No. 2.2.5(1): Initiatives Related to Industry Training

S. No.	Academic Year	Date of Visit	Objective of visit	Name of the Company	Total No. of Students	Impact Analysis
1	2022-2023	06.04.2023	Design of Software applications using java language	UNIQ TECHNOLOGIES, BANGALORE	94	Gained Knowledge On Java Language
2	2021-2022	13.04.2022	Design of Software applications using python language	UNIQ TECHNOLOGIES, BANGALORE	70	Gained Knowledge On Python Language

Figure No. 2.2.5(1) : Feedback of Industrial visit

Figure No. 2.2.5(2): Students Participation in Industrial Visit

B. Internship /Training for Students of more than two weeks and post-training Assessment

During semester holidays students are motivated to attend in-plant training to get information about the industry work culture as a planned activity. The implementations of CBCS in 2021 regulation students are encouraged to do internships to get practical exposure to technologies that bridge the gap between subject and industrial needs.

Table No. 2.2.5(2): Students participation in Internship - CAYm1 (2022-2023)

S. No	Period	Name of the Industry	No of the Students	Area of Training
1	27.01.2023 - 06.02.2023	VEI Technologies Pvt Limited	21	Java & Database Connectivity
2	06.01.2023- 18.01.2023	Sri Jai Technology's Krishnagiri	3	Internet of Things
3	19.06.2023 - 30.06.2023	AJ Tech Research Labs	7	IOT & Android Application

Table No. 2.2.5(3): Students participation in Internship - CAYm2 (2021-2022)

S. No	Period	Name of the Industry	No of the Students	Area of Training
1	24.02.2022- 05.03.0222	Sunsoft Solution	16	Data Science Basic, Artificial Intelligence Basic, Machine Learning Basic, Python
2	28.02.2022- 09.03.2022	D.S Subramanian Siva Cooperative Sugar mills Ltd.,	2	Computer Application in Sugar mills
3	25.02.2022- 08.03.2022	DLK Career Development	2	Python
4	24.02.2022- 08.03.2022	Wiz soft Technology	1	Web Technology
5	28.02.2022- 06.03.2022	Uniq Technologies, Bangalore	1	Python
6	02.01.2022 to 02.02.2022	Aristocrat It Solutions India Private Limited	6	Data Analysis Using the skill set of python, tools and techniques

Table No. 2.2.5(4): Students participation in Internship - CAYm3 2020-2021

S. No	Period	Name of the Industry	No of the Students	Area of Training
1	3.01.2021 TO 27.01.2021	Sri Jai Technology's	23	Python

Figure No. 2.2.5 (3): Students Participation Certificate in Internship

C. Impact analysis of industrial training

- It is an opportunity to provide pre-professional work experience with specific responsibilities
- It help students to make informed decisions after graduation
- It enables them to improve their occupational competencies
- It provides students with an opportunity to apply their knowledge in real work and actual practice
- It enhances the employability skills of the students

CAYm1 (2022-2023)

S.NO	Name of the employee	Name of the Company	Pay package at the time of appointment (in lakhs/annum)
1.	Aarthi M	Pegatron Technology India Private Limited	Rs.1,74,000
2.	Naveen Kumar	Intime Solution- Bangalore	Rs.2,04,000
3.	Jayarahul V	Devcare Solution pvt ltd- Chennai	Rs.4,93,392

CAYm1 (2021-2022)

S.NO	Name of the employee	Name of the Company	Pay package at the time of appointment (in lakhs/annum)
1.	Vignesh S	Freedom Ophthalmic pvt.ltd - Hosur	Rs.1,08,000
2.	Eaganthan	Wipro Limited- Bangalore	Rs.3,50,000
3.	Abinaya D	Virgo Technologies	Rs.2,35,200
4.	Sasikumar R	Tejosma Technologies Private Limited	Rs.3,00,000

CAYm1 (2020-2021)

S.NO	Name of the employee	Name of the Company	Pay package at the time of appointment (in lakhs/annum)
1.	Jayasri C	Venpa Staffing Services	Rs.1,26,000
2.	Nandakumar L	Eureka Forbes Limited - Chennai	Rs.1,56,000
3.	Nandhaelavarasu K	Eureka Forbes Limited - Chennai	Rs.1,56,000

D. Student feedback on initiative

- Feedback is collected from students after every industrial visit and same will be analyzed
- Students need more number of Industrial visits, the same will be initiated.

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	To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.
PSO2	To apply software engineering principles and practices for developing quality software for scientific and business applications.
PSO3	To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

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

Institute Marks : 5.00

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

Course Name :		C2 03	Course Year :	2020-2021

Course Name	Statements
C2 03.1	Understand linear and non–linear data structure operations
C2 03.2	Implement linear data structure operations to solve problems
C2 03.3	Apply different non linear data structures to problem solutions
C2 03.4	Understand and Apply graph algorithm for all the graph oriented applications
C2 03.5	Analyze the various searching and sorting algorithms.

Course Name :		C2 13	Course Year :	2020-2021

Course Name	Statements
C2 13.1	Understand the Algorithms of asymptotic and empirical approaches.
C2 13.2	Analyze the different algorithms and design techniques for the given problems
C2 13.3	Make use of algorithm design techniques like divide and conquer, dynamic programming and greedy techniques to solve problems
C2 13.4	Implement iterative methods for various problems
C2 13.5	Apply algorithm for specific problem by using backtracking, branch and Bound algorithm.

Course Name :		C3 02	Course Year :	2021-2022

Course Name	Statements
C3 02.1	Understand the basic layers and its functions in networks
C3 02.2	Analyzing of how the data flows from one node to another.
C3 02.3	Apply protocols for various functions in the network.
C3 02.4	Familiarize the functions and protocols of the transport layer
C3 02.5	Analyze the working of various application layer protocols

Course Name :		C3 13	Course Year :	2021-2022

Course Name	Statements
C3 13.1	Understand the different phases of compiler and to design a lexical analyzer for a sample language using LEX tool.
C3 13.2	Apply different parsing algorithms to develop the parsers using YACC for a given grammar
C3 13.3	Understand semantics rules (SDT) and intermediate code generation
C3 13.4	Implement simple code generator and run time environment
C3 13.5	Apply code optimization techniques

Course Name :		C4 02	Course Year :	2022-2023

Course Name	Statements
C4 02.1	Understand the fundamentals of networks security, security architecture, threats and vulnerabilities
C4 02.2	Apply the different cryptographic operations of symmetric cryptographic algorithms
C4 02.3	Apply the different cryptographic operations of public key cryptography
C4 02.4	Apply the various Authentication schemes to simulate different applications.
C4 02.5	Understand various Security practices and System security standards

Course Name :		C4 09	Course Year :	2022-2023

Course Name	Statements
C4 09.1	Discuss the basics of information Security
C4 09.2	Illustrate the legal, ethical and professional issues in information security

C4	09.3	Demonstrate the aspects of risk management
C4	09.4	Become aware of various standards in the information security system.
C4	09.5	Apply and implementation of security techniques.

3.1.2 CO-POmatrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 3rd to 8th semester) (5) Institute Marks : 5.00

1 . course name : C203

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C203.1	3	3	3	-	1	2	-	-	1	-	-	3
C203.2	3	2	3	-	2	1	-	-	1	-	-	2
C203.3	2	3	3	-	-	1	-	-	1	-	-	2
C203.4	2	3	3	-	1	-	-	-	1	-	-	2
C203.5	3	2	3	-	1	1	-	-	1	-	-	1
Average	2.40	2.60	3.00	0.00	1.25	1.25	0.00	0.00	1.00	0.00	0.00	2.00

2 . course name : C213

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C213.1	3	2	3	-	-	-	-	2	1	-	-	1
C213.2	3	2	3	-	-	-	-	1	1	-	-	3
C213.3	3	2	3	-	-	-	-	2	2	-	-	3
C213.4	3	3	3	-	-	-	-	1	2	-	-	1
C213.5	2	3	3	-	-	-	-	-	1	-	-	1
Average	2.80	2.40	3.00	0.00	0.00	0.00	0.00	1.50	1.40	0.00	0.00	1.80

3 . course name : C302

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C302.1	3	3	3	-	-	-	-	-	-	-	-	1
C302.2	3	3	3	-	-	-	-	-	-	-	-	1
C302.3	3	3	3	-	3	-	-	-	-	-	-	1
C302.4	3	-	3	-	-	-	-	-	-	-	-	1
C302.5	3	3	3	-	-	-	-	-	-	-	-	1
Average	3.00	3.00	3.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00

4 . course name : C313

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C313.1	3	3	3	-	-	-	-	2	3	3	-	3
C313.2	3	3	3	-	-	-	-	2	3	2	-	2
C313.3	3	3	2	-	-	-	-	2	3	1	-	1
C313.4	3	2	2	-	-	-	-	1	2	3	-	3
C313.5	3	3	3	-	-	-	-	2	2	1	-	3
Average	3.00	2.80	2.60	0.00	0.00	0.00	0.00	1.80	2.60	2.00	0.00	2.40

5 . course name : C402

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C402.1	2	1	1	-	-	-	-	-	-	-	-	-
C402.2	2	1	1	-	-	-	-	-	-	-	-	1
C402.3	3	2	2	-	-	1	-	-	-	-	-	1
C402.4	3	2	2	-	-	-	-	-	-	-	-	-
C402.5	3	2	2	-	-	-	-	-	-	-	-	-
Average	3.00	2.00	2.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00

6 . course name : C409

Course	PO1		PO2		PO3		PO4		PO5		PO6		PO7		PO8		PO9		PO10		PO11		PO12	
C409.1	3	⌄	3	⌄	1	⌄	-	⌄	-	⌄	2	⌄	-	⌄	3	⌄	1	⌄	-	⌄	-	⌄	2	⌄
C409.2	3	⌄	2	⌄	1	⌄	2	⌄	-	⌄	2	⌄	-	⌄	3	⌄	3	⌄	-	⌄	-	⌄	2	⌄
C409.3	3	⌄	2	⌄	2	⌄	2	⌄	-	⌄	2	⌄	-	⌄	3	⌄	3	⌄	-	⌄	-	⌄	-	⌄
C409.4	3	⌄	3	⌄	3	⌄	2	⌄	-	⌄	2	⌄	-	⌄	3	⌄	3	⌄	-	⌄	-	⌄	2	⌄
C409.5	3	⌄	2	⌄	3	⌄	2	⌄	-	⌄	2	⌄	-	⌄	-	⌄	3	⌄	-	⌄	-	⌄	2	⌄
Average	3.00		2.40		2.00		2.00		0.00		2.00		0.00		3.00		2.60		0.00		0.00		2.00	

1 . Course Name : C203

Course	PSO1	PSO2	PSO3
C203.1	2	2	-
C203.2	2	2	-
C203.3	2	1	-
C203.4	2	-	-
C203.5	2	-	-
Average	2.00	1.60	0.00

2 . Course Name : C213

Course	PSO1	PSO2	PSO3
C213.1	3	2	1
C213.2	3	2	-
C213.3	2	2	1
C213.4	1	2	2
C213.5	1	2	2
Average	2.00	2.00	1.20

3 . Course Name : C302

Course	PSO1	PSO2	PSO3
C302.1	3	2	1
C302.2	2	2	1
C302.3	2	2	1
C302.4	3	2	1
C302.5	2	2	1
Average	2.40	2.00	1.00

4 . Course Name : C313

Course	PSO1	PSO2	PSO3
C313.1	2	3	1
C313.2	2	1	1
C313.3	2	2	-
C313.4	1	2	1
C313.5	2	1	1
Average	1.80	1.80	1.00

5 . Course Name : C402

Course	PSO1	PSO2	PSO3
C402.1	3	2	-
C402.2	3	2	-
C402.3	2	3	-
C402.4	2	3	-
C402.5	2	3	-
Average	2.00	3.00	0.00

6 . Course Name : C409

Course	PSO1	PSO2	PSO3

C409.1	3 ⌄	1 ⌄	- ⌄
C409.2	3 ⌄	3 ⌄	- ⌄
C409.3	3 ⌄	1 ⌄	- ⌄
C409.4	3 ⌄	1 ⌄	- ⌄
C409.5	3 ⌄	- ⌄	- ⌄
Average	**3.00**	**2.00**	**0.00**

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
C101	0	0	0	0	0	2.0	2.0	2.6	2.8	3.0	1.75	1.75
C102	3	2.6	2.6	0	0	0	0	0	0	0	0	0
C103	3	2.8	2.8	1.4	0	0	1.4	0	0	0	1.2	1.5
C104	3	2.0	2.0	1.67	0	0	2.4	0	0	0	1.75	1.2
C105	3	2.8	2.8	2	1.75	0	0	0	0	0	1.25	1.75
C106	3	2.6	1.75	0	1.25	1.75	0	1.33	1.75	1.25	0	1.8
C107	3	2.4	2.6	1.67	2.4	1	0	1	2	1	1.5	1.6
C108	3	3	2	1.25	0	0	0	1.75	1.75	1.25	1.5	2
C109	0	0	0	0	1.25	2	2	1.6	2.5	2.25	2	2
C110	3	2.6	2.6	1.25	2	0	0	0	2	0	2	2
C111	2.6	2.8	1.4	0	0	0	2	0	0	0	0	2.25
C112	2.8	2	2.6	0	0	0	0	0	0	0	0	0
C113	2.6	2.6	2	0	2	1.75	2.5	2.6	0	0	0	1.8
C114	2.6	2.6	2.6	0	2	0	0	1.6	2.25	1.8	0	2
C115	3	3	1	1.8	1.6	1.6	0	1.33	1.33	2.33	1.5	2.4
C116	3	2.8	2.6	0	2.6	0	0	1.75	2	2.5	0	1.8
C201	2	2	2	0	0	0	0	0	0	0	0	0
C202	3	2	2	0	1	0	0	0	0	0	0	1
C203	2.4	2.6	3	0	1.25	1.25	0	0	1	0	0	2
C204	2.6	1.6	1.4	0	0	0	0	0	0	0	0	1
C205	3	3	1	2.3	2	0	0	2	2.5	2	3	3
C206	2	2	2	0	0	0	0	1	2.5	2.8	0	3
C207	3	2	2	1	0	0	0	3	3	3	3	3
C208	3	2	2	0	0	1	0	1	1.5	2.3	0	2
C209	0	0	0	0	0	0	0	3	2	2	3	3
C210	2	1	1	0	0	0	0	0	1	1	0	1
C211	3	2.6	3	0	0	0	0	0	0	0	0	0
C212	3	2	3	0	0	0	0	0	0	0	0	0
C213	2.8	2.4	3	0	0	0	0	1.5	1.4	0	0	1.8
C214	2	1	2	0	0	0	0	0	0	0	0	0
C215	3	2	2	0	0	0	0	0	0	0	0	0
C216	3	2	3	0	0	0	0	3	2.6	3	0	2
C217	3	2	2	0	0	0	0	0	0	0	0	0
C218	0	0	0	0	0	0	0	0	0	0	3	2.2
C301	2	1	0	0	0	0	0	0	0	0	0	0
C302	3	3	3	0	3	0	0	0	0	0	0	1
C303	3	3	3	3	3	3	0	0	0	0	2	2
C304	2	2	2	2	1	0	0	0	1	2	2	2

Course												
C305	2	2	1	2	2	0	0	0	0	1	1	2
C306	1.5	1.25	1.5	0	1	1.3	1.3	0	2	2.3	0	1.3
C307	3	2	0	2.3	2.5	0	0	2	2.5	2	3	3
C308	2	2	1	0	1	2	0	2	1	1	0	2
C309	2	1	2	0	1	0	0	1	1	1	0	1
C310	3	2.4	2.2	0	0	0	0	2	1	2	0	1
C311	3	2	2	0	1	0	0	0	0	0	0	0
C312	3	2.5	2.2	0	0	0	0	0	0	0	0	0
C313	3	2.8	2.6	0	0	0	0	1.8	2.6	2	0	2.4
C314	1.8	2.4	1.8	0	0	0	0	1.4	1	1	0	1
C315	2	1.8	2	0	1.6	0	0	0	1.6	1.5	0	0
C316	2.6	2	2.5	0	1	0	0	1.2	2	1.6	0	1.8
C317	2	2	3	0	2	2	0	1	1	1	0	2
C318	3	3	3	2	2	2	2	2	3	3	3	3
C319	0	0	0	0	0	2	0	0	0	3	0	2
C401	2.5	2.1	2	0	0	0	0	0	0	0	2	0
C402	3	2	2	0	0	1	0	0	0	0	0	1
C403	3	2	2	1	0	0	0	0	0	0	0	1
C404	2.5	2.2	1.8	0	0	2	0	1.8	1.4	2	3	2
C406	2	2	1	0	0	0	0	0	0	0	0	0
C407	2	1	1	0	1	0	0	1	1.5	1.5	0	1
C408	2.4	1.1	1.6	0	1.2	0	0	1.5	1	1	0	1
C409	3	2.4	2	2	0	2	0	3	2.6	0	0	2
C410	2.8	2.5	2.1	0	0	0	0	2	0	0	0	0
C411	3	3	3	2	2	2	2	2	3	3	3	3

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

Course	PSO1	PSO2	PSO3
C101	0	1	0
C102	0	0	0
C103	1	0	0
C104	1	1	0
C105	1	1	0
C106	1	0	0
C107	1	1	0
C108	1	1	0
C109	0	0	0
C110	0	0	0
C111	2	0	0
C112	2	1	1
C113	3	1	0
C114	2	1	0
C115	3	3	1
C116	1	1	0
C201	0	0	0
C202	2	1	0
C203	2	1.6	0
C204	2	2	0

C205	2	0	0
C206	2	1	0
C207	2	2	1
C208	1	0	0
C209	0	0	0
C210	0	0	0
C211	2	2	0
C212	3	2.5	0
C213	2	2	1.2
C214	2	2	0
C215	2	2	0
C216	3	1	1
C217	3	2	1
C218	2.6	0	2
C301	0	0	0
C302	2.4	2	1
C303	2	2	2
C304	2	2	2
C305	2	2	1
C306	2.5	2.25	2.5
C307	0	0	0
C308	1	1	1
C309	1	0	1
C310	1	1	0
C311	1	0	0
C312	2	1	0
C313	1.8	1.8	1
C314	1	1	0
C315	1	1	0
C316	1	1	0
C317	2	1	2
C318	3	2	2
C319	0	0	0
C401	0	0	0
C402	2	3	0
C403	2	3	0
C404	1	1	0
C406	0	0	0
C407	2	2	2
C408	2	3	0
C409	3	2	0
C410	1	1	0
C411	3	2	2

3.2 Attainment of Course Outcomes (50)   Total Marks 50.00

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

Institute Marks : 10.00

A. List of Assessment tools and Process

The process for assessment and attainment of COs are described in the flowchart as shown in Figure No. 3.2.1. (1)
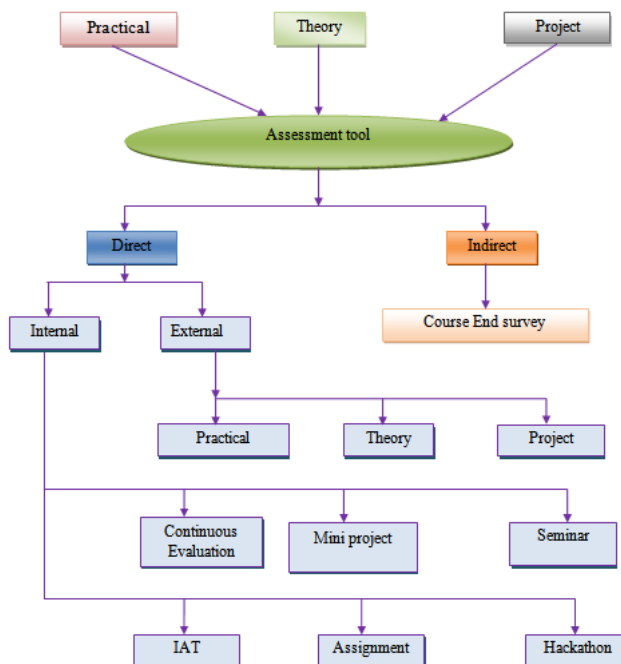

Figure No.: 3.2.1(1): Assessment and Attainment of COs

- In Outcome Based Education, The course is carried out by the department to identify, collect, analyze and evaluate the data towards the achievement of Course Outcomes (COs).
- The Course Outcome attainment is done in two parts; First part being the direct assessment and second part being the indirect assessment.

Direct Assessment Tools

- The course outcomes are defined by the university and the course instructor defines the CO-PO matrix. After the CO and PO matrix the course instructor will identify the Gap. By implementing the content beyond the syllabus, course instructor will fill the Gap. The final CO PO matrix will be prepared after the Content beyond the syllabus.
- The Internal Question Paper is prepared based on COs and BT Level.
- Three Internal Assessment tests are conducted every semester as per the calendar of events prepared by the institution inline with the University regulations. Performance evaluation is based on scheme of evaluation prepared by the course instructor.
- COs are mapped in the internal assessment question papers. The average of performance of individual student against each question and corresponding CO is calculated for direct assessment.

Internal

- Internal Assessments Test (IAT1,IAT 2 and IAT3)
- Assignments
- Internal Laboratory Test
- Mini Projects
- Project

External

- Semester End Examination (SEE).

Indirect Assessment Tools

- Indirect Assessment is done by conducting course end survey for every course conducted under our program and for every individual student of the program.

Course End Survey

- All the students are administered a questionnaire.
- The Questionnaire contains all the COs of the individual course.
- Each students will place the values from 1 to 3 (Low, Medium and Substantial) for each CO based on their attainment of particular CO.

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

CO Assessment Process:

The CO Assessment tools and its evaluation process is summarized in the following Table 3.2.1. (1)

Table 3.2.1 (1) Assessment Tools and Process

Assessment Process		
S.No.	Assessment Tools	Method Description
1	Internal Assessment Examination	Three internal assessment tests are conducted for analyzing student performance
2	Internal Lab Assessment	The marks for the Lab experiments are awarded after the completion of each experiments including the viva-voce
3	Internal Project Assessment	Four internal project review will be conducted by the project coordinator(s) based on a schedule
4	Course End Survey	At the end of the semester, a survey is obtained from each student to individually assess the course Outcomes

	5	University Examinations	Anna University examinations are conducted at the end of each semester

Theory courses:

For each theory course, faculty member calculates the course outcome attainment using University Examination, Internal Assessment and Assignments. The attainment level will be calculated based on the average performance levels of University Examination, Internal Assessment and Assignments as given in the following Table. No 3.2.1 (2)

Table 3.2.1 (2) Theory Course Assessment Tools and Process

Assessment Tool	Max. Marks	Weight age	Frequency
Internal Assessment (IAT 1, IAT 2 and IAT 3)	100	20%	Thrice in a Semester
Assignment			Depends on Course
Course End Survey			Course End Survey taken at the end of the course
University Examination	100	80%	Once in a Semester
Result Published	100	100%	Internal & University Marks are put together

COPO Mapping With PSO

Academic Year: 2019-2020

C105 / Course Code: GE8151 / Course Title: Problem Solving and Python Programming															
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C105.1	3.00	3.00	3.00	2.00	2.00						1.00	2.00	1.00	1.00	
C105.2	3.00	2.00	3.00	1.00	1.00							2.00	1.00	1.00	
C105.3	3.00	3.00	2.00	3.00	2.00						1.00		1.00	1.00	
C105.4	3.00	3.00	3.00	2.00							2.00	1.00	1.00	1.00	
C105.5	3.00	3.00	3.00	2.00	2.00						1.00	2.00	1.00	1.00	
C105	3.00	2.80	2.80	2.00	1.75						1.25	1.75	1.00	1.00	

Assessment Pattern

	Internal Assessment	IAT 1,IAT2 and IAT3
C105 / Course Code: GE8151 / Problem Solving And Python Progamming	Assignment/Quiz	**Case Study:** AutoML use with Python through a real life

Evidence of CO Coverage

IAT	CO 1	CO 2	CO3	CO 4	CO 5
IAT 1 (Q.No)	**PART A** 1,2,3,4,5 **PART B** 11,12	**PART A** 6,7,8,9,10 **PART B** 13	-	-	-
Marks	**30 Marks**	**20 Marks**			
IAT 2		**Part B** 11	**Part A** 1,2,3,4,5,6,7,8,9,10 **Part B** 12, 13	-	-

				Part A	Part A
IAT 3	-	-	-	1,2,3	4,5,6,7,8,9,10
				Part B	Part B
				11,12	13
Marks				26Marks	24 Marks
Grand Total	30 Marks	30 Marks	40 Marks	26 Marks	24 Marks

Mapping of Continuous Evaluation:

IAT	CO1	CO2	CO3	CO4	CO5	Total
IAT 1	30	20	-	-	-	50
IAT 2	-	10	40	-	-	50
IAT 3	-	-	-	26	24	50

Sample Question papers:

C105 / Course Code: GE8151 / Problem Solving And Python Progamming

Internal Assessment Test 1

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Mittapalli, Balinayanapalli Post, Krishnagiri – 635 108

Reg no:

INTERNAL ASSESSMENT TEST-1

DATE: 23.08.2018

DEGREE/BRANCH: B.E-Common to All Branches   YEAR/SEM:I/ 1
SUB CODE   : GE8151   MAX.MARKS : 50
SUBJECT   : PROBLEM SOLVING AND PYTHON PROGRAMMING
DURATION   : 1 ½ Hrs

ANSWER ALL THE QUESTIONS
PART A (10X2=20)

1.	Write an algorithm to find smallest among three numbers.	R,CO1
2.	Distinguish between algorithm and program.	R,CO1
3.	What is the use of algorithm, flow-chart and pseudo ode in the perspective of problem.	R,CO1
4.	Write down steps involved in writing a program to solve a problem.	R,CO1
5.	Define an interactive statement.	R,CO1
6.	List any four built in data types in python.	R,CO2
7.	What are keywords? Give examples	R,CO2
8.	What is Tuple? How literals of type tuple are written? Give example.	C,CO2
9.	What is expression?	U,CO2
10.	Are comments executable statement in a python program ? how comments are included in a python program?	R,CO2

PART –B (3X10=30)

11.	a)Explain the different building blocks of algorithm with the notations.(10)	R,CO1
		A,CO1
	(OR)	
	b) i) Draw a flow chart to find the factorial of a number.(5)	A,CO1
	ii)Write an algorithm to find the sum of the series 1+2+3+..........+100. (5)	
12.	a) State the Towers of Hanoi problem .Outline a solution the Towers of Hanoi problem with relevant diagrams.(10)	A,CO1
	(OR)	
		A,CO1
	b) Write an algorithm to find the minimum number in a list and flow-chart with example in detail.(10)	
13.	a)Outline the data types supported by python with an example (10)	U,CO2
	(OR)	
	b) Why do we call python an interpreted and object-oriented programming language? Also explain interactive python.(10)	U,CO2

MARKS ALLOCATION

CO	QUESTION	TOTAL MARKS
CO1	PART A [1,2,3,4,5] = 5*2=10 MARKS	30 MARKS
	PART B [11,12] =2*10=20 MARKS	
CO2	PART A [6,7,8,9,10] = 5*2 =10 MARKS	20 MARKS
	PART B [13] = 1*10=10 MARKS	
	TOTAL	50 MARKS

SUB INCHARGE   HOD   PRINCIPAL

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Reg no:

INTERNAL ASSESSMENT TEST-2

DATE: 19.09. 2018

DEGREE/BRANCH: B.E / Common to All Branches   **YEAR/SEM:**I / I

SUB CODE : GE8151   **MAX.MARKS : 50**

SUBJECT : PROBLEM SOLVING AND PYTHON PROGRAMMING

DURATION : 1 ½ Hrs

ANSWER ALL THE QUESTIONS

PART A (10X2=20)

1.	Write a simple function to multiply two numbers in python	R,CO3
2.	What are the purpose of pass statement in python?	R,CO3
3.	Define recursion with an example.	R,CO3
4.	What are the various types of python operators?	R,CO3
5.	What are the identity operators used in python?	R,CO3
6.	What is floor division or truncating division? Give example.	R,CO3
7.	Give the syntax of function definition.	R,CO3
8.	Differentiate break and continue..	C,CO3
9.	What is a slice? Give example.	U,CO3
10.	What is a string? How it is accessed?	R,CO3

PART –B (3X10=30)

11.	a) Write a program to find the roots of a quadratic equation gives the coefficients a, b, c (10) (OR) b) i) Explain the following with suitable example. I) Tuple assignment.. (5) ii) Precedence of operators. (5)	A,CO2 U,CO2
12.	a) Describe the conditional branching statements of python with example.(10) (OR) b)Describe parameter passing in functions using examples..(10)	U,CO3 R,CO3
13.	a)Write the syntax of while loop and use the same to classify if a given number is prime are not .(10) (OR) b) What is string function in python? Explain any three python string methods with an example.(10)	A,CO3 A,CO3

MARKS ALLOCATION

CO	QUESTION	TOTAL MARKS
CO2	MARKS PART B [11] =1*10=10 MARKS	10 MARKS
CO3	PART A [1,2,3,4,5,6,7,8,9,10] = 10*2 = 20 MARKS PART B [12,13] =2 *10=20 MARKS	40 MARKS
	TOTAL	**50 MARKS**

SUB INCHARGE   HOD   PRINCIPAL

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Reg no:

INTERNAL ASSESSMENT TEST-3

DATE: 15.10.2018

DEGREE/BRANCH: B.E : Common to All Branches   YEAR/SEM:I/ I
SUB CODE   : GE8151   MAX.MARKS : 50
SUBJECT   : PROBLEM SOLVING AND PYTHON PROGRAMMING
DURATION   : 1 ½ Hrs

ANSWER ALL THE QUESTIONS
PART A (10X2=20)

1.	How are the values of tuples ? Illustrate with an example.	R,CO4
2.	Give examples for mutable and immutable objects.	R,CO4
3.	What is purpose of dictionary in python?	R,CO4
4.	State module .Give example.	R,CO5
5.	Find the syntax error in the code given while True print ('Hello world')	R,CO5
6.	List any four file operation.	R,CO5
7.	What are exceptions?	R,CO5
8.	Define relative path and absolute path with respect to files.	C,CO5
9.	Write a python program to count the number of words in a text file.	U,CO5
10.	How to use command line arguments in python?	R,CO5

11.	a) Describe the addition and deletion operation in a list data structures with examples (10) (OR) b)i) Difference between tuple and list with suitable examples (5) ii) Explain nested list to store topper details and display the details. (5)	U,CO4 R,CO4 R,CO4
12.	a)Write a python program print the maximum among 'n' randomly generate 'd' numbers by storing them in a list. 10) (OR) b) Name the operations that can be performed on a list and outline any four with an example.(10)	U,CO4 R,CO4
13.	a)Explain the commands used to read and write into a file.(10) (OR) b) Discuss about the use of format operator in file processing.(10).	A,CO5 A,CO5

MARKS ALLOCATION

CO	QUESTION	TOTAL MARKS
CO4	PART A [1,2,3] = 3*2 = 6 MARKS PART B [11,12] =2*10=20 MARKS	26 MARKS
CO5	PART A [4,5,6,7,8,9,10] = 7*2 =14 MARKS PART B [13] = 1*10=10 MARKS	24 MARKS
	TOTAL	50 MARKS

SUB INCHARGE   HOD   PRINCIPAL

Laboratory Courses:

For laboratory courses, the course outcome will be calculated based on performance, viva-voce, record work, model exam and University practical examination. The Course Attainment for Laboratory is shown in the following table. Table No. 3.2.1 (3)

Table 3.2.1(3) Laboratory Courses Assessment Tools and Process

Assessment tools/ Components	Max. Marks	Assessment Weight age	Frequency
Record and Observation	10	20	Every week individual experiment performance, viva-voce, record work is evaluated by the faculty
Model Practical Examination	100		One model exam is conducted at the End of the semester
Course end survey	100		Course end survey taken at the end Of the course
Anna University Practical Examination	100	80	University examination is conducted By Anna university
Result Published	100	100	Internal and University Marks are put together

Project Work Assessment:

Project Work Assessment is based on the performance in the four reviews and university assessment bases on viva voce. The Course Attainment for project work is defined in the following table.

Table 3.2.1.(4):Project work Assessment Tools and Process

Assessment tools/ Components	Max Marks	Mark Allocated	Assessment Weight age	Remarks
Zeroth review	-	-	20	Four internal project review will be conducted
First review	100	5		
Second review	100	7.5		
Third review	100	7.5		
Course end survey	100	-		Course end survey taken at the end of the course
Anna University Project Viva Voce	100	-	80	University Project Viva Voce is conducted by Anna university

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

Institute Marks : 40.00

A.Verify the attainment levels as per the benchmark set for all courses.

The attainment of Course Outcomes (COs) is evaluated for the batch 2019-2023, by considering the Internal examinations, Course end survey and Anna University end semester examination marks. The different target levels are defined as follows:

INTERNAL ASSESSMENT TEST:

- **Attainment level 1:**<59-50% of students scoring more than 50% of marks in the University examination
- **Attainment level 2:**>=69-60% of students scoring more than 50% of marks in the University examination
- **Attainment level 3:** >=70% of students scoring more than 50% of marks in the University examination

UNIVERSITY EXAMINATION:

- **Attainment level 1:**<59-50% of students scoring more than 50% of marks in the University examination
- **Attainment level 2:**>=69-60% of students scoring more than 50% of marks in the University examination
- **Attainment level 3:** >=70% of students scoring more than 50% of marks in the University examination

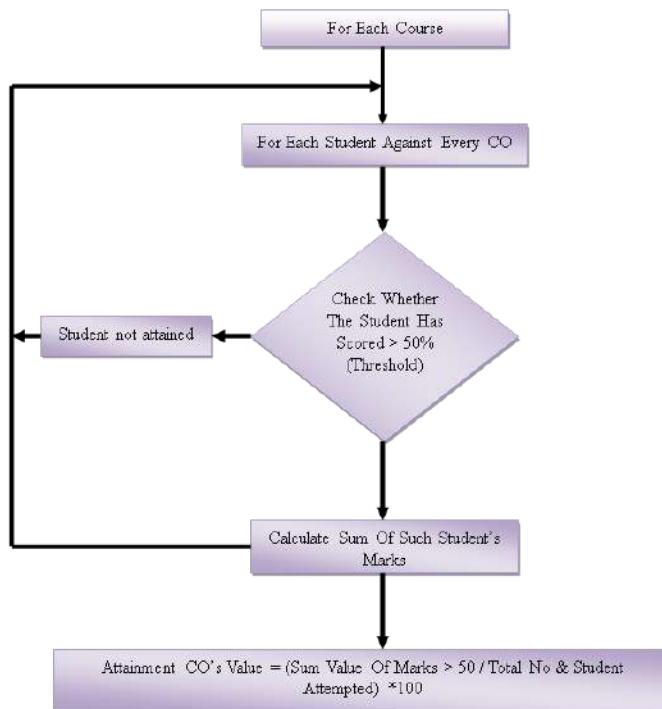**Grades: O: 91-100, A+:81-90, A: 71-80, B+: 61-70 and B: 60 -50 for R-2017**

Figure No: 3.2.2.(1)Verify the attainment levels as per the benchmark set for all courses

Table 3.2.2 (1) Attainment of Course Outcomes (COs)

BATCH:2019-2023

Course Code	CO1	CO2	CO3	CO4	CO5	Course Outcome Attainment Level
C101	2.94	2.95	2.81	2.94	2.81	2.89
C102	1.97	1.96	1.96	1.96	1.97	1.96
C103	2.15	2.15	2.15	2.15	2.16	2.15
C104	2.47	2.48	2.48	2.49	2.49	2.48
C105	2.02	1.98	1.9	1.98	2	1.97
C106	2.55	2.58	2.54	2.54	2.56	2.55
C107	2.82	2.83	2.85	2.84	2.85	2.84
C108	2.94	2.95	2.82	2.94	2.82	2.9
C109	2.83	2.83	2.83	2.83	2.84	2.83
C110	2.84	2.83	2.82	2.84	2.84	2.83
C111	2.82	2.83	2.84	2.84	2.83	2.83
C112	2.83	2.82	2.83	2.84	2.83	2.83
C113	2.82	2.85	2.85	2.83	2.84	2.84
C114	2.83	2.83	2.84	2.83	2.83	2.83
C115	2.85	2.82	2.84	2.83	2.83	2.83
C116	2.83	2.83	2.82	2.84	2.85	2.83

C201	2.08	2.57	2.43	2.56	2.43	2.4
C202	2.14	2.62	2.49	2.62	2.49	2.5
C203	2.38	2.39	2.25	2.38	2.25	2.3
C204	2.01	2.49	2.36	2.49	2.36	2.3
C205	2.21	2.70	2.56	2.69	2.56	2.5
C206	2.47	2.96	2.82	2.95	2.82	2.8
C207	2.46	2.94	2.81	2.94	2.81	2.8
C208	2.46	2.94	2.81	2.94	2.81	2.8
C209	2.46	2.94	2.81	2.94	2.81	2.8
C210	2.92	2.92	2.78	2.91	2.78	2.9
C211	2.40	2.89	2.75	2.88	2.75	2.7
C212	2.45	2.93	2.80	2.93	2.80	2.8
C213	2.46	2.94	2.81	2.94	2.81	2.8
C214	2.44	2.92	2.78	2.91	2.78	2.8
C215	2.46	2.94	2.81	2.94	2.81	2.8
C216	2.47	2.96	2.82	2.95	2.82	2.8
C217	2.46	2.94	2.81	2.94	2.81	2.8
C218	2.47	2.96	2.82	2.95	2.82	2.8
C301	2.94	2.94	2.81	2.94	2.81	2.9
C302	2.94	2.94	2.81	2.94	2.81	2.9
C303	2.87	2.87	2.74	2.87	2.74	2.8
C304	2.91	2.91	2.77	2.90	2.77	2.9
C305	2.94	2.94	2.81	2.94	2.81	2.9
C306	2.93	2.93	2.80	2.93	2.80	2.9
C307	2.94	2.94	2.81	2.94	2.81	2.9
C308	2.94	2.94	2.81	2.94	2.81	2.9
C309	2.95	2.96	2.82	2.95	2.82	2.9
C310	2.41	2.42	2.28	2.41	2.28	2.4
C311	2.62	2.62	2.49	2.62	2.49	2.6
C312	2.55	2.55	2.42	2.55	2.42	2.5
C313	2.74	2.74	2.60	2.73	2.60	2.7
C314	2.66	2.66	2.52	2.65	2.52	2.6
C315	2.55	2.55	2.42	2.55	2.42	2.5
C316	2.93	2.94	2.80	2.93	2.80	2.9
C317	2.94	2.94	2.81	2.94	2.81	2.9
C318	2.94	2.94	2.81	2.94	2.81	2.9
C319	2.94	2.94	2.81	2.94	2.81	2.9
C401	2.70	2.70	2.57	2.70	2.57	2.6
C402	2.21	2.70	2.56	2.69	2.56	2.5
C403	2.36	2.85	2.71	2.84	2.71	2.7
C404	1.80	2.28	2.14	2.27	2.14	2.1
C406	2.16	2.64	2.51	2.64	2.51	2.5
C407	2.47	2.95	2.82	2.95	2.82	2.8
C408	2.47	2.96	2.82	2.95	2.82	2.8
C409	2.59	2.59	2.45	2.58	2.45	2.5
C410	2.50	2.51	2.37	2.50	2.37	2.4
C411	2.94	2.94	2.81	2.94	2.81	2.9

BATCH:2018-2022

Course Code	CO1	CO2	CO3	CO4	CO5	Course Outcome Attainment Level
C101	2.28	2.27	2.28	2.27	2.31	2.28
C102	1.72	1.69	1.69	1.70	1.70	1.70
C103	2.15	2.15	2.15	2.16	2.16	2.15
C104	2.28	2.31	2.28	2.31	2.30	2.30
C105	2.28	2.31	2.28	2.28	2.29	2.29
C106	2.24	2.28	2.24	2.23	2.23	2.24
C107	2.83	2.84	2.84	2.88	2.85	2.85
C108	2.85	2.83	2.84	2.85	2.84	2.84
C109	2.58	2.59	2.59	2.57	2.55	2.57
C110	2.40	2.37	2.39	2.38	2.38	2.38
C111	2.25	2.26	2.27	2.30	2.27	2.27
C112	1.86	1.82	1.86	1.87	1.84	1.85
C113	2.33	2.30	2.34	2.31	2.34	2.32
C114	2.17	2.19	2.17	2.22	2.18	2.19
C115	2.86	2.85	2.89	2.91	2.88	2.88
C116	2.86	2.88	2.89	2.89	2.88	2.88
C201	2.08	2.04	2.11	2.12	2.02	2.07
C202	2.23	2.17	2.16	2.20	2.11	2.17
C203	2.09	2.06	2.10	2.09	2.06	2.08
C204	1.95	1.92	1.94	1.88	1.93	1.92
C205	2.04	2.05	2.01	1.97	1.99	2.01
C206	2.69	2.68	2.69	2.70	2.63	2.68
C207	2.70	2.71	2.66	2.68	2.72	2.69
C208	2.70	2.68	2.64	2.71	2.66	2.68
C209	2.74	2.74	2.76	2.76	2.79	2.76
C210	2.63	2.70	2.73	2.70	2.74	2.70
C211	2.66	2.66	2.67	2.64	2.72	2.67
C212	2.70	2.72	2.68	2.73	2.76	2.72
C213	2.69	2.68	2.65	2.66	2.77	2.69
C214	2.68	2.71	2.71	2.72	2.69	2.70
C215	2.61	2.69	2.68	2.71	2.67	2.67
C216	2.78	2.82	2.77	2.79	2.79	2.79
C217	2.80	2.87	2.75	2.79	2.79	2.80
C218	2.80	2.82	2.82	2.83	2.82	2.82
C301	1.88	1.92	1.97	1.87	1.93	1.91
C302	2.08	2.11	2.09	2.04	2.03	2.07
C303	2.02	2.02	1.97	2.06	2.01	2.02
C304	2.28	2.28	2.25	2.31	2.28	2.28
C305	1.98	1.97	1.88	1.98	1.92	1.94
C306	1.87	1.82	1.94	1.89	1.87	1.88
C307	2.83	2.79	2.75	2.82	2.78	2.79
C308	2.83	2.79	2.81	2.73	2.82	2.80
C309	2.81	2.78	2.73	2.78	2.81	2.78
C310	2.83	2.79	2.78	2.80	2.79	2.80
C311	2.80	2.82	2.78	2.75	2.83	2.80
C312	2.84	2.80	2.81	2.79	2.73	2.80
C313	2.81	2.80	2.82	2.79	2.79	2.80

Course Code						
C314	2.80	2.77	2.82	2.73	2.78	2.78
C315	2.74	2.75	2.80	2.81	2.77	2.78
C316	2.78	2.80	2.79	2.80	2.82	2.80
C317	2.81	2.85	2.87	2.78	2.79	2.82
C318	2.81	2.80	2.82	2.76	2.79	2.80
C319	2.80	2.79	2.82	2.85	2.85	2.82
C401	2.79	2.81	2.81	2.83	2.81	2.81
C402	2.79	2.78	2.78	2.82	2.84	2.80
C403	2.79	2.84	2.83	2.78	2.82	2.81
C404	2.79	2.79	2.80	2.79	2.80	2.79
C405	2.71	2.77	2.77	2.80	2.75	2.76
C406	2.82	2.81	2.77	2.81	2.80	2.80
C407	2.81	2.83	2.79	2.79	2.82	2.81
C408	2.76	2.85	2.82	2.76	2.84	2.81
C409	2.60	2.57	2.54	2.62	2.60	2.58
C410	2.74	2.73	2.70	2.74	2.69	2.72
C411	2.84	2.84	2.79	2.87	2.85	2.84

BATCH:2017-2021

Course Code	CO1	CO2	CO3	CO4	CO5	Course Outcome Attainment Level
C101	2.61	2.63	2.63	2.65	2.6	2.62
C102	1.69	1.73	1.75	1.74	1.71	1.72
C103	2.26	2.32	2.3	2.32	2.2	2.28
C104	2.22	2.18	2.27	2.28	2.22	2.23
C105	2.32	2.35	2.36	2.39	2.35	2.36
C106	2.62	2.71	2.72	2.73	2.69	2.69
C107	2.81	2.83	2.87	2.85	2.84	2.84
C108	2.78	2.77	2.79	2.79	2.8	2.78
C109	2.63	2.66	2.69	2.69	2.65	2.66
C110	2.11	2.15	2.11	2.12	2.1	2.12
C111	2.01	2.12	2.11	2.11	2.03	2.07
C112	2.05	2.04	2.04	2.07	2.06	2.05
C113	2.42	2.48	2.45	2.51	2.43	2.46
C114	2.28	2.33	2.32	2.26	2.3	2.3
C115	2.81	2.88	2.92	2.87	2.8	2.86
C116	2.83	2.81	2.88	2.83	2.83	2.84
C201	1.72	1.81	1.77	1.79	1.74	1.76
C202	1.77	1.77	1.82	1.81	1.73	1.8
C203	2.17	2.21	2.23	2.20	2.20	2.2
C204	2.16	2.17	2.17	2.16	2.08	2.1
C205	1.96	2.03	1.90	2.01	1.83	1.9
C206	2.80	2.80	2.67	2.79	2.67	2.7
C207	2.56	2.58	2.57	2.54	2.54	2.6
C208	2.66	2.68	2.74	2.63	2.68	2.7
C209	2.62	2.62	2.61	2.64	2.64	2.6
C210	1.98	1.99	1.88	2.00	1.88	1.9
C211	2.27	2.28	2.21	2.33	2.21	2.3
C212	2.35	2.36	2.28	2.40	2.28	2.3
C213	2.24	2.25	2.16	2.28	2.16	2.2

C214	2.22	2.23	2.16	2.28	2.16	2.2
C215	2.31	2.32	2.22	2.34	2.22	2.3
C216	2.87	2.87	2.74	2.86	2.74	2.8
C217	2.83	2.83	2.70	2.82	2.70	2.8
C218	2.91	2.91	2.78	2.90	2.78	2.9
C301	1.80	1.87	1.85	1.82	1.86	1.8
C302	2.16	2.19	2.19	2.21	2.23	2.2
C303	2.17	2.16	2.17	2.13	2.16	2.2
C304	2.02	2.01	2.02	2.02	2.05	2.0
C305	2.12	2.16	2.15	2.13	2.12	2.1
C306	2.27	2.28	2.26	2.24	2.27	2.3
C307	2.70	2.69	2.69	2.67	2.69	2.7
C308	2.71	2.71	2.67	2.65	2.68	2.7
C309	2.70	2.69	2.73	2.72	2.69	2.7
C310	2.58	2.62	2.65	2.70	2.70	2.7
C311	2.56	2.63	2.66	2.68	2.62	2.6
C312	2.59	2.65	2.61	2.69	2.70	2.6
C313	2.59	2.61	2.70	2.67	2.65	2.6
C314	2.58	2.61	2.67	2.70	2.68	2.6
C315	2.70	2.74	2.83	2.78	2.84	2.8
C316	2.81	2.83	2.79	2.81	2.83	2.8
C317	2.79	2.77	2.76	2.75	2.81	2.8
C318	2.74	2.80	2.85	2.87	2.84	2.8
C319	2.79	2.76	2.80	2.80	2.85	2.8
C401	1.84	1.90	1.95	1.97	1.94	1.9
C402	1.78	1.74	1.78	1.78	1.78	1.8
C403	1.80	1.80	1.73	1.79	1.76	1.8
C404	1.88	1.88	1.92	1.89	1.91	1.9
C405	1.76	1.82	1.87	1.89	1.86	1.8
C406	1.72	1.71	1.71	1.65	1.68	1.7
C407	2.77	2.82	2.88	2.90	2.87	2.8
C408	2.80	2.84	2.80	2.81	2.84	2.8
C409	2.79	2.74	2.70	2.84	2.77	2.8
C410	2.70	2.74	2.75	2.87	2.84	2.8
C411	2.82	2.80	2.82	2.77	2.79	2.8

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 and Process

The list of assessment tools for both direct and indirect methods is given below.

<div align="center">Table 3.3.1(1) Assessment tools used for calculation of PO attainment</div>

Assessment	Tool Type	Assessment Tool
Direct Attainment Tools	Internal Assessments and Assignments	Internal Assessment, assignments are conducted during every semester. These tests and assignments will prepare the students for the Semester End Examination.
	Internal Laboratory Test	At end of the semester, one model laboratory exam conducted and evaluation is done. These tests will enhance the confidence of students to face SEE practical examination.
	Mini Projects and Projects	Evaluation is done in phases by a committee (HOD, two senior faculties inclusive of the Project guide).
	Semester End Examination	Both theory and practical/project examination are conducted as per the guidelines provided by the Controller of Examination.
Indirect Attainment Tools	Graduate Survey	Feedback for the betterment of the department
	Alumni Survey	Feedback for the improvement of Infrastructure, library, placement activities, Industry-academic interaction.
	Employer Survey	Expectations and the requirements to bridge the industry-academia gap.

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

Process of PO & PSO Attainment

Course outcomes are assessed through Internal Assessment Test (IAT) and Semester End Examination (SEE). The analysis is done to find the level of attainments of each COs. The attainment of POs and PSOs are being calculated based on the COs attainment. For indirect assessments, survey questionnaire is circulated to students, alumni and employer. The surveys are assessed and evaluated to determine the strength **of attainment level** of POs/PSOs. Survey results from **Graduates, Alumni, and Employer** are consolidated and the final PO values are calculated through **3-point scale (Low, Medium and Substantial)**. Overall attainments of POs are calculated by taking **80% of direct attainment** and **20% of indirect attainment**. If the POs and PSOs attainment value is below the target, an essential remedial action has been taken.

<div align="center">Table 3.3.1 (2) Process of PO & PSO Attainment</div>

	Assessment Tool	Tool Description	Weight age
PO Attainment	Direct Assessment	Internal Tests, Assignments, Lab Internal Tests and Semester End Examination	80%
	Indirect Assessment	Graduate Survey, Alumni Survey and Employer Survey	20%

CO PO Attainment With PSO

C105 / Course Code: GE8151 / Course Title: Problem Solving And Python Progamming

P.S.V. COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by the NAAC with 'A' Grade
(Inclusion Under Section 2(f) & 12(B) of the UGC Act, 1956)
(An ISO 9001: 2015 Certified Institution)
Bangalore - Chennai Highway, (NH-46), Mittapalli, Balinayanapalli Post, Krishnagiri -635 108.
Assessment of attainment of course outcomes
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course code & Title:GE8151 & PROBLEM SOLVING AND PYTHON PROGRAMMING
Year/Sem:1/1
Course Instructor Name: Mrs.S.PARKAVT
Regulation: R2017-Anna University, Chennai

BATCH: 2019-2023   ACADEMIC YEAR: 2019-2020

Course Outcome	Internal + External = Course End
CO105.1	2.02
CO105.2	1.98
CO105.3	1.90
CO105.4	1.98
CO105.5	2.00
Average	1.97

Attainment Level:
- Level 1: 50-59% of students scored more than set target
- Level 2: 60-69% of students scored more than set target
- Level 3: 70% and above of students scored more than set target

Tools	Weightage	Overall Weightage in Cos
Internal	20	80%
External	80	
Course End Survey		20%

Set attainment level : 70%

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO105.1	2.02	2.02	2.02	1.35	1.35						0.67	1.35	0.67	0.67	
CO105.2	1.98	1.32	1.98	0.66	0.66							1.32	0.66	0.66	
CO105.3	1.90	1.90	1.26	1.90	1.26						0.63		0.63	0.63	
CO105.4	1.98	1.98	1.98	1.32							1.32	0.66	0.66	0.66	
CO105.5	2.00	2.00	2.00	1.33	1.33						0.67	1.33	0.67	0.67	
CO105	1.97	1.84	1.84	1.32	1.15	-	-	-	-	-	0.82	1.15	0.66	0.66	-
Expected level	3.00	2.80	2.80	2.00	1.75						1.25	1.75	1.00	1.00	
Target : Class Average Attainment ≈ 70%	N	N	N	N	N	-	-	-	-	-	N	N	N	N	-

Mapping Details

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO105.1	3.00	3.00	3.00	2.00	2.00						1.00	2.00	1.00	1.00	
CO105.2	3.00	2.00	3.00	1.00	1.00							2.00	1.00	1.00	
CO105.3	3.00	3.00	2.00	3.00	2.00						1.00		1.00	1.00	
CO105.4	3.00	3.00	3.00	2.00							2.00	1.00	1.00	1.00	
CO105.5	3.00	3.00	3.00	2.00	2.00						1.00	2.00	1.00	1.00	
Average CO401	3.00	2.80	2.80	2.00	1.75						1.25	1.75	1.00	1.00	

Survey Forms – Questionnaires

Table 3.3.1 (3) Sample Student Exit Survey– POs and PSOs Questionnaires

Table 3.3.1.(4).Sample Alumni Feedback Survey– Questionnaires

Table 3.3.1.(5)Sample Employer Feedback Survey– Questionnaires

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
C101	PO1	PO2	PO3	PO4	PO5	1.93	1.93	2.5	2.7	2.89	1.69	1.69
C102	1.96	1.7	1.7	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C103	2.15	2.01	2.01	1	PO5	PO6	1	PO8	PO9	PO10	0.86	1.08
C104	2.48	1.66	1.66	1.38	PO5	PO6	1.99	PO8	PO9	PO10	1.45	0.99
C105	1.97	1.84	1.84	1.32	1.15	PO6	PO7	PO8	PO9	PO10	0.82	1.15
C106	2.55	2.21	1.49	PO4	1.06	1.49	PO7	1.13	1.49	1.06	PO11	1.53
C107	2.84	2.27	2.46	1.58	2.27	0.95	PO7	0.95	1.89	0.95	1.42	1.51
C108	2.9	2.9	1.93	1.21	PO5	PO6	PO7	1.69	1.69	1.21	1.45	1.93

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C109	PO1	PO2	PO3	PO4	1.18	1.89	1.89	1.51	2.36	2.12	1.89	1.89
C110	2.83	2.46	2.46	1.18	1.89	PO6	PO7	PO8	1.89	PO10	1.89	1.89
C111	2.45	2.64	1.32	PO4	PO5	PO6	1.89	PO8	PO9	PO10	PO11	2.12
C112	2.64	1.89	2.45	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C113	2.46	2.46	1.89	PO4	1.89	1.65	2.36	2.46	PO9	PO10	PO11	1.7
C114	2.45	2.45	2.45	PO4	1.89	PO6	PO7	1.51	2.12	1.7	PO11	1.89
C115	2.83	2.83	0.94	1.7	1.51	1.51	PO7	1.26	1.26	2.2	1.42	2.27
C116	2.83	2.64	2.46	PO4	2.46	PO6	PO7	1.65	1.89	2.36	PO11	1.7
C201	1.61	1.61	1.61	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C202	2.47	1.65	1.65	PO4	0.82	PO6	PO7	PO8	PO9	PO10	PO11	0.82
C203	1.86	2.02	2.33	PO4	0.97	0.97	PO7	PO8	0.78	PO10	PO11	1.55
C204	2.03	1.25	1.09	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.78
C205	2.54	2.54	0.85	1.95	1.70	PO6	PO7	1.70	2.12	1.70	2.54	2.54
C206	1.87	1.87	1.87	PO4	PO5	PO6	PO7	0.93	2.34	2.62	PO11	2.80
C207	2.79	1.86	1.86	0.93	PO5	PO6	PO7	2.79	2.79	2.79	2.79	2.79
C208	2.79	0.93	0.93	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.93
C209	PO1	PO2	PO3	PO4	PO5	PO6	PO7	2.79	1.86	1.86	2.79	2.79
C210	1.91	0.95	0.95	PO4	PO5	PO6	PO7	PO8	0.95	0.95	PO11	0.95
C211	2.73	2.37	2.73	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C212	2.78	1.85	2.78	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C213	2.61	2.23	2.79	PO4	PO5	PO6	PO7	1.40	1.30	PO10	PO11	1.67
C214	1.85	0.92	1.85	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C215	2.79	1.86	1.86	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C216	2.80	1.87	2.80	PO4	PO5	PO6	PO7	2.80	2.43	2.80	PO11	1.87
C217	2.79	1.86	1.86	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C218	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	2.80	2.06
C301	1.92	0.96	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C302	1.92	1.92	1.92	1.92	0.96	PO6	PO7	PO8	0.96	1.92	1.92	1.92
C303	2.82	2.82	2.82	2.82	2.82	2.82	PO7	PO8	PO9	PO10	1.88	1.88
C304	2.85	2.47	2.47	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.95
C305	1.92	1.92	0.96	1.92	1.92	PO6	PO7	PO8	PO9	0.96	0.96	1.92
C306	1.44	1.20	1.44	PO4	0.96	1.25	1.25	PO8	1.92	2.20	PO11	1.25
C307	1.92	0.96	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C308	1.92	1.92	0.96	PO4	0.96	1.92	PO7	1.92	0.96	0.96	PO11	1.92
C309	1.93	0.97	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C310	2.36	1.89	1.73	PO4	PO5	PO6	PO7	1.57	0.79	1.57	PO11	0.79
C311	2.57	1.71	1.71	PO4	0.86	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312	2.50	2.08	1.83	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C313	2.68	2.50	2.32	PO4	PO5	PO6	PO7	1.61	2.32	1.79	PO11	2.15
C314	1.56	2.08	1.56	PO4	PO5	PO6	PO7	1.22	0.87	0.87	PO11	0.87
C315	2.50	2.08	1.83	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C316	2.50	1.92	2.40	PO4	0.96	PO6	PO7	1.15	1.92	1.54	PO11	1.73
C317	1.92	1.92	2.89	PO4	1.92	1.92	PO7	0.96	0.96	0.96	PO11	1.92
C318	2.89	2.89	2.89	1.92	1.92	1.92	1.92	1.92	2.89	2.89	2.89	2.89
C319	PO1	PO2	PO3	PO4	PO5	1.92	PO7	PO8	PO9	2.89	PO11	1.92
C401	2.20	1.85	1.76	PO4	PO5	PO6	PO7	PO8	PO9	PO10	1.76	PO12
C402	2.55	1.70	1.70	PO4	PO5	0.85	PO7	PO8	PO9	PO10	PO11	0.85
C403	2.69	1.80	1.80	0.90	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.90
C404	1.42	1.42	0.71	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C406	1.66	1.66	1.66	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

C407	1.87	0.93	0.93	PO4	0.93	PO6	PO7	0.93	1.40	1.40	PO11	0.93
C408	2.24	1.03	1.50	PO4	1.12	PO6	PO7	1.40	0.93	0.93	PO11	0.93
C409	2.53	2.03	1.69	1.69	PO5	1.69	PO7	2.53	2.19	PO10	PO11	1.69
C410	2.29	2.04	1.71	PO4	PO5	PO6	PO7	1.63	PO9	PO10	PO11	PO12
C411	2.89	2.89	2.89	1.92	1.92	1.92	1.92	1.92	2.89	2.89	2.89	2.89

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	2.38	2.02	1.96	1.75	1.69	1.82	1.92	1.80	1.91	1.90	2.00	1.76
Direct Attainment	2.35	1.92	1.87	1.58	1.50	1.66	1.79	1.70	1.76	1.82	1.90	1.67
InDirect Attainment	2.52	2.44	2.34	2.43	2.45	2.47	2.43	2.22	2.49	2.22	2.39	2.14

PSO Attainment

Course	PSO1	PSO2	PSO3
C101	PSO1	0.96	PSO3
C102	PSO1	PSO2	PSO3
C103	0.72	PSO2	PSO3
C104	0.83	0.83	PSO3
C105	0.66	0.66	PSO3
C106	0.85	PSO2	PSO3
C107	0.95	0.95	PSO3
C108	0.96	0.96	PSO3
C109	PSO1	PSO2	PSO3
C110	PSO1	PSO2	PSO3
C111	1.89	PSO2	PSO3
C112	1.89	0.94	0.94
C113	2.84	0.95	PSO3
C114	1.89	0.94	PSO3
C115	2.83	2.83	0.94
C116	0.94	0.94	PSO3
C201	PSO1	PSO2	PSO3
C202	1.65	0.82	PSO3
C203	1.55	1.24	PSO3
C204	1.56	1.56	PSO3
C205	1.70	PSO2	PSO3
C206	1.87	0.93	PSO3
C207	1.86	1.86	0.93
C208	PSO1	PSO2	PSO3
C209	PSO1	PSO2	PSO3
C210	PSO1	PSO2	PSO3
C211	1.82	1.82	PSO3
C212	2.78	2.32	PSO3
C213	1.86	1.86	PSO3
C214	1.85	1.85	PSO3
C215	1.86	1.86	PSO3
C216	2.80	0.93	0.93
C217	2.79	1.86	0.93
C218	2.43	PSO2	PSO3
C301	PSO1	PSO2	PSO3
C302	1.92	1.92	1.92
C303	1.88	1.88	1.88

C304	PSO1	PSO2	PSO3
C305	1.92	1.92	0.96
C306	2.40	2.16	2.40
C307	PSO1	PSO2	PSO3
C308	0.96	0.96	0.96
C309	PSO1	PSO2	PSO3
C310	0.79	0.79	PSO3
C311	0.86	PSO2	PSO3
C312	1.66	0.83	PSO3
C313	1.61	1.61	0.89
C314	0.87	0.87	PSO3
C315	1.66	0.83	PSO3
C316	0.96	0.96	PSO3
C317	1.92	0.96	1.92
C318	2.89	1.92	1.92
C319	PSO1	PSO2	PSO3
C401	PSO1	PSO2	PSO3
C402	1.70	2.55	PSO3
C403	1.80	2.69	PSO3
C404	PSO1	PSO2	PSO3
C406	0.83	PSO2	PSO3
C407	1.87	1.87	1.87
C408	1.87	2.80	PSO3
C409	2.53	1.69	PSO3
C410	0.82	PSO2	PSO3
C411	2.89	1.92	1.92
PSO Attainment	1.83	1.64	1.58

PSO Attainment Level

Course	PSO1	PSO2	PSO3
CO Attainment	1.84	1.64	1.59
Direct Attainment	1.72	1.49	1.43
InDirect Attainment	2.32	2.26	2.24

4 STUDENTS' PERFORMANCE (150)   Total Marks 112.60

:

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2023-24 (CAY)	2022-23 (CAYm1)	2021-22(CAYm2)	2020-21(CAYm3)	2019-20(CAYm4)	2018-19 (CAYm5)	2017-18 (CAYm6)
Sanctioned intake of the program(N)	90	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)	89	60	63	52	57	42	53
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	4	3	8	1	0	0
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	89	64	66	60	58	42	53

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
2023-24 (CAY)	89	0	0	0	0
2022-23 (CAYm1)	64	17	0	0	0
2021-22 (CAYm2)	66	19	11	0	0
2020-21 (CAYm3)	60	32	16	7	0
2019-20 (LYG)	58	14	8	7	7
2018-19 (LYGm1)	42	3	3	1	1
2017-18 (LYGm2)	53	10	5	5	5

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
2023-24 (CAY)	89	0	0	0	0
2022-23 (CAYm1)	64	22	0	0	0
2021-22 (CAYm2)	66	19	21	0	0
2020-21 (CAYm3)	60	50	24	24	0
2019-20 (LYG)	58	40	40	40	40
2018-19 (LYGm1)	42	28	28	28	28
2017-18 (LYGm2)	53	47	47	47	47

4.1 Enrolment Ratio (20)

Total Marks 20.00

Institute Marks : 20.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2023-24 (CAY)	90	89	98.89
2022-23 (CAYm1)	60	60	100.00
2021-22 (CAYm2)	60	63	105.00

Average [(ER1 + ER2 + ER3) / 3] : 101.30

Assessment : 20.00

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

Total Marks 13.25

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

Institute Marks : 2.00

Item	Latest Year of Graduation, LYG (2019-20)	Latest Year of Graduation minus 1, LYGm1 (2018-19)	Latest Year of Graduation minus 2 LYGm2 (2017-18)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	58.00	42.00	53.00
Y Number of students who have graduated without backlogs in the stipulated period	7.00	1.00	5.00
Success Index [SI = Y / X]	0.12	0.02	0.09

Average SI [(SI1 + SI2 + SI3) / 3] : 0.08

Assessment [25 * Average SI] : 2.00

4.2.2 Sucess rate in stipulated period (15)   Institute Marks : 11.25

Item	Latest Year of Graduation, LYG (2019-20)	Latest Year of Graduation minus 1, LYGm1 (2018-19)	Latest Year of Graduation minus 2 LYGm2 (2017-18)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	58.00	42.00	53.00
Y Number of students who have graduated in the stipulated period	40.00	28.00	47.00
Success Index [SI = Y / X]	0.69	0.67	0.89

Average SI[(SI1 + SI2 + SI3) / 3]: 0.75

Assessment [15 * Average SI] : 11.25

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 12.12

Institute Marks : 12.12

Academic Performance	CAYm3 (2020-21)	LYG (2019-20)	LYGm1 (2018-19)
Mean of CGPA or mean percentage of all successful students(X)	7.90	8.39	7.94
Total number of successful students(Y)	24.00	40.00	28.00
Totalnumber of students appeared in the examination(Z)	24.00	40.00	28.00
API [X*(Y/Z)]:	7.90	8.39	7.94

Average API [(AP1 + AP2 + AP3)/3] : 8.08

Assessment [1.5 * AverageAPI] : 12.12

4.4 Academic Performance in Second Year (15)   Total Marks 9.76

Institute Marks : 9.76

Academic Performance	CAYm2 (2021-22)	CAYm3 (2020-21)	LYG (2019-20)
Mean of CGPA or mean percentage of all successful students(X)	8.21	8.40	8.39
Total number of successful students (Y)	21.00	24.00	40.00
Total number of students appeared in the examination (Z)	22.00	58.00	41.00
API [X * (Y/Z)]	7.84	3.48	8.19

Average API [(AP1 + AP2 + AP3)/3] : 6.50

Assessment [1.5 * AverageAPI] : 9.76

4.5 Placement, Higher Studies and Entrepreneurship (40)   Total Marks 37.47

Institute Marks : 37.47

Item	LYG (2019-20)	LYGm1 (2018-19)	LYGm2 (2017-18)
Total No of Final Year Students(N)	40.00	28.00	47.00
No of students placed in the companies or government sector(X)	40.00	26.00	35.00
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	2.00	1.00
No of students turned entrepreneur in engineering/technology (Z)	0.00	0.00	2.00
x + y + z =	40.00	28.00	38.00
Placement Index [(X+Y+Z)/N] :	1.00	1.00	0.81

Average Placement [(P1 + P2 + P3)/3] : 0.94

Assessment [40 * Average Placement] : 37.47

Program Name : Computer Science & Engg.
Assessment Year Name : CAYm1

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	AARTHI M	611819104001	Pegatron Technology India Pvt Ltd	Ref.No: PT/PSV/CSE/2022-23/001 23-08-2023
2	ARAVINDH S	611819104003	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2022-23/001
3	BHAVATHARANI M	611819104004	Pegatron Technology India Pvt Ltd	Ref.No: PT/PSV/CSE/2022-23/002 23-08-2023
4	CHANDRU K	611819104006	Code Decoder Developer	Ref.No: CD/PSV/CSE/2022-23/001 18.09.2023
5	DEVI S	611819104008	Dev Care Solutions Pvt Ltd, Chennai	Ref No: DCS/PSV/CSE/2022-23/001 08.05.2023
6	DEVIPRIYA. S	611819104009	Intime Solutions, Bangalore	Ref.No ITS/PSV/CSE/2022-23/002 Dt :04.06.2023
7	DHINESH KUMAR K	611819104010	Dev Care Solutions Pvt Ltd, Chennai	Ref.No: DCS/PSV/CSE/2022-23/002 08.05.2023
8	DIVYA R	611819104012	Pegatron Technology India Pvt Ltd	Ref.No: PT/PSV/CSE/2022-23/003 23-08-2023
9	DURGA P	611819104013	Code Decoder Developer	Ref.No: CD/PT/PSV/CSE/2022-23/002 11-10-23
10	GANGADHARAN M	611819104015	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/202223/003 Dt:04.06.2023
11	GAYATHRI E	611819104016	Pegatron Technology India Pvt Ltd	Ref.No: PT/PSV/CSE/2022-23/004 23-08-2023
12	JAYARAHUL. V	611819104018	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2022-23/004 04.06.2023
13	JEEVANANDHAM S	611819104019	Dev Care Solutions Pvt Ltd, Chennai	Ref.No: DCS/PSV/CSE/2022-23/003 08.05.2023
14	JEEVITHA. N	611819104020	Code Decoder Developer	Ref.No: CD/PSV/CSE/2022-23/003 07-10-2023
15	KAVIARASAN R	611819104021	Code Decoder Developer	Ref.No: CD/PSV/CSE/2022-23/004 04-10-2023
16	KAVIN.T.S	611819104022	Dev Care Solutions Pvt Ltd, Chennai	Ref.No: DCS/PSV/CSE/2022-23/004 08.05.2023
17	LOKESH V	611819104024	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2022-23/005 04.06.2023
18	MOHAMMED IMRAN N	611819104027	Amazon Development Center. Bangalore	Ref.No: ADC/PSV/CSE/2022-23/001 22.9.23
19	MOHAN R	611819104028	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC-/PSV/CSE/2022-23/001 08.06.2023
20	MONISHA T S	611819104029	Dev care solutions Pvt Ltd, Chennai	Ref.No: DCS/PSV/CSE/2022-23/005 08.05.2023
21	NAVEENKUMAR S	611819104030	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC-/PSV/CSE/2022-23/002 08.06.2023
22	NIKESH. S	611819104031	Amazon Development Center. Bangalore	Ref.No: ADC/PSV/CSE/2022-23/002 12.10.23
23	PRASATH. B	611819104033	Movate Technologies Pvt Ltd ,Chennai	Ref.No: MTPC-/PSV/CSE/2022-23/003 08.06.2023
24	RAGUL K	611819104034	Pegatron Technology India Pvt Ltd	Ref.No: PT/PSV/CSE/2022-23/005 23-08-2023
25	SANDHYA S	611819104036	Movate Technologies Pvt Ltd,Chennai	Ref.No: MTPC-/PSV/CSE/2022-23/004 08.06.2023
26	SARANYA S	611819104038	Dev care solutions Pvt Ltd,Chennai	Ref No: DCS/PSV/CSE/2022-23/006 08.05.2023
27	SARAVANAN.M	611819104039	SKLR Editech Pvt ltd, Bangalore	Ref.No: SKLR/PSV/CSE/2022-23/001 25.07.23
28	SHAFIYA AFSAN Z	611819104041	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC-/PSV/CSE/2022-23/005 08.06.2023
29	SHAMRITHA P R	611819104042	Dev care solutions Pvt Ltd,Chennai	Ref.No: DCS/PSV/CSE/2022-23/007 08.05.2023
30	SHARMILA A	611819104043	SKLR Editech pvt ltd, Bangalore	Ref.No: SKLR/PSV/CSE/2022-23/002 25.07.23
31	SHOBIKA T	611819104044	Dev care solutions Pvt Ltd,Chennai	Ref.No: DCS/PSV/CSE/2022-23/008 08.05.2023
32	SOUMYA PRASAD	611819104045	Pegatron Technology India Pvt Ltd	Ref.No: PT/PSV/CSE/2022-23/006 18.08.23
33	SOWMIYA A	611819104046	SKLR Editech pvt ltd, Bangalore	Ref.No: SKLR/PSV/CSE/2022-23/003 25.07.23
34	SUBHAN BASHA Z	611819104048	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2022-23/006 04.06.2023
35	TAMILARASI P	611819104050	SKLR Editech pvt ltd, Bangalore	Ref.No: SKLR/PSV/CSE/2022-23/004 25.07.23
36	THRISHA.N	611819104052	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2022-23/007 04.06.2023
37	UDHAYA SHANKAR S	611819104054	Amazon Development Center. Bangalore	Ref.No: ADC/PSV/CSE/2022-23/003 18.9.23
38	VAISALI S	611819104055	Dev care solutions Pvt Ltd, Chennai	Ref.No: DCS/PSV/CSE/2022-23/009 08.05.2023
39	VIGNESH KANNA S	611819104057	Pegatron Technology India Pvt Ltd	Ref.No: PT/PSV/CSE/2022-23/007 23-08-2023
40	YUVADHARSHINI K	611819104058	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2022-23/008 04.06.2023

Assessment Year Name : CAYm2

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ABINAYA D	611818104001	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2021-22/001 27.06.2022
2	AGUPRASATH M	611818104002	SUVISION Holdings, Bangalore	Ref.No: SUV/PSV/CSE/2021-22/001 05.04.2022
3	AJITH KUMAR K	611818104003	ABC Fruits, Bargur.	Ref.No: ABC/PSV/CSE/2021-22/001 29.05.2022
4	ARCHANA A	611818104006	Code Decoder Developers	Ref.No: CD/PSV/CSE/2021-22/001 12.10.22
5	ARAVINDAN V	611818104005	SUVISION Holdings, Bangalore	Ref.No: SUV/PSV/CSE/2021-22/002 05.04.2022
6	BHAGAVAAN S	611818104008	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/202122/002 27.06.2022
7	EAGANATHAN S	611818104012	Wipro Technology Ltd, Bangalore	Ref.No: WIPRO/PSV/CSE/2021-22/001 29.04.2022
8	JEEVANADHAM M	611818104014	ABC Fruits, Bargur.	Ref.No: ABC/PSV/CSE/2021-22/002 21.06.2022
9	JOTHIKA S	611818104015	SUVISION Holdings, Bangalore	Ref.No: SUV/PSV/CSE/2021-22/004 05.06.2022
10	MOHAMMED ADNAN A I	611818104017	Tejosma Technologies Pvt Ltd, Bangalore	Ref.No: TT/PSV/CSE/2021-22/001 11.08.2022
11	MOHAMMED NAYEEM. S	611818104018	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2021-22/003 27.06.22
12	MONISHA S	611818104020	SUVISION Holdings, Bangalore	Ref.No: SUV/PSV/CSE/2021-22/005 05.06.2022
13	PARKAVI V	611818104023	SUVISION Holdings, Bangalore	Ref.No: SUV/PSV/CSE/2021-22/006 05.06.2022
14	ARUNA M	611818104007	SUVISION Holdings, Bangalore	Ref.No: Ref.No: SUV/PSV/CSE/2021-22/003 05.04.2022
15	PAVITHRA V	611818104024	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2021-22/004 27.06.2022
16	PREMKUMAR C	611818104027	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2021-22/005 27.06.2022
17	PRIYA G	611818104028	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2021-22/006 27.06.2022
18	SAMYUKTHA A	611818104031	Tejosma Technologies Pvt Ltd, Bangalore	Ref.No: TT/PSV/CSE/2021-22/002 11.08.2022
19	SASIKIRAN G	611818104032	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2021-22/007 27.06.2022
20	SASIKUMAR R	611818104033	Tejosma Technologies Pvt Ltd, Bangalore	Ref.No: TT/PSV/CSE/2021-22/003 11.08.2022
21	SNEHA C	611818104035	SUVISION Holdings, Bangalore	Ref.No: SUV/PSV/CSE/2021-22/007 05.06.2022
22	SRIRANJANI S	611818104036	SUVISION Holdings, Bangalore	Ref.No: SUV/PSV/CSE/2021-22/008 05.06.2022
23	SYED SHAARIKH. I	611818104037	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2021-22/008 27.06.2022
24	UJEETHA M	611818104038	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2021-22/009 27.06.2022
25	VIGNESH S	611818104041	Tejosma Technologies Pvt Ltd, Bangalore	Ref.No: TT/PSV/CSE/2021-22/004 11.08.2022
26	VIKRAM S	611818104042	Virgo Technologies, Bangalore	Ref.No: Ref.No: VT/PSV/CSE/2021-22/010 27.06.2022

Assessment Year Name : CAYm3

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ABDULLAH. M	611817104001	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC /PSV/CSE/2020-21/001 10.11.2021
2	ARCHANA. G	611817104002	Tejosma Technologies Pvt Ltd, Bangalore	Ref.No: TT/PSV/CSE/2020-21/001 12.09.2021
3	BAKKIYANATHAN. D	611817104004	Code Decoder Developer	Ref.No: CD/PSV/CSE/2020-21/001 23.11.2021
4	BARHANAAZ. M. S	611817104005	Venpa Staffing Service India Pvt Ltd	Ref.No: VSS/ PSV/CSE/2020-21/001 29.10.2021
5	BHUVANESHWARI. T	611817104006	Tejosma Technologies Pvt Ltd, Bangalore	Ref.No: TT/PSV/CSE/2020-21/002 12.09.2021
6	DAISYPRIYA. M	611817104007	Virgo Technologies, Bangalore	Ref.No: Ref.No: VT/PSV/CSE/2020-21/001 12.12.2021
7	DEVIKA. S	611817104008	ABC Fruits, Bargur	Ref.No: ABC/PSV/CSE/2020-21/001 10.09.21
8	GIRISHAKUMAR. MV	611817104012	ABC Fruits, Bargur	Ref.No: ABC/PSV/CSE/2020-21/002 10.09.21
9	HARIKRISHNAN. K	611817104013	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/001 20.9.2021
10	ISHWARYA. V	611817104014	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC /PSV/CSE/2020-21/002 10.11.2021
11	JAYASRI. C	611817104017	Freedom Ophthalmic Pvt Ltd, Hosur	Ref.No: FOPL/PSV/CSE/2020-21/001 15.8.2021
12	KALAI SELVAM. S	611817104018	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/002 20.9.2021
13	KALAIYARASI. M	611817104019	Virgo Technologies, Bangalore	Ref No: VT/PSV/CSE/2020-21/002 12.12.2021
14	KAVIPRIYA M	611817104020	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2020-21/003 12.12.2021
15	KEERTHANA. A	611817104021	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC PSV/CSE/2020-21/003 10.11.2021
16	LOKESHWARI. K	611817104022	Venpa Staffing Service India Pvt Ltd	Ref.No: VSS/ PSV/CSE/2020-21/002 29.10.2021
17	MAHALAKSHMI . C	611817104023	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/003 20.9.2021
18	NANDHA KUMAR. L	611817104026	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC /PSV/CSE/2020-21/004 10.11.2021
19	PAVITHRA. A	611817104028	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2020-21/004 12.12.2021
20	PAVITHRA. V	611817104029	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC PSV/CSE/2020-21/005 10.11.2021
21	POORNIMA. V	611817104030	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/004 20.9.2021

22	RANJANI. N	611817104032	Freedom Ophthalmic Pvt Ltd, Hosur	Ref.No: FOPL/PSV/CSE/2020-21/002 15.8.2021
23	RESHMA. S	611817104033	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/005 20.9.2021
24	SATHYA P	611817104037	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/006 20.9.2021
25	SHALINI . A	611817104038	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC PSV/CSE/2020-21/006 10.11.2021
26	SHARMILAN. K	611817104039	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/007 20.9.2021
27	SHOAIB AKHTHAR . N	611817104040	Code Decoder Developer Bangalore	Ref.No: CD/PSV/CSE/2020-21/002 11.02.2022
28	SONIYA. M	611817104041	Code Decoder Developer Bangalore	Ref.No: CD/PSV/CSE/2020-21/003 22.10.2021
29	SUJITHA. G	611817104042	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/008 20.9.2021
30	SUJOTHI M	611817104043	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/009 20.9.2021
31	SURIYAKALA. C	611817104044	Movate Technologies Pvt Ltd, Chennai	Ref.No: MTPC PSV/CSE/2020-21/007 10.11.2021
32	SWETHA.C	611817104045	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2020-21/005 12.12.2021
33	VIJAYALAKSHMI. G	611817104049	Freedom Ophthalmic Pvt Ltd, Hosur	Ref.No: FOPL/PSV/CSE/2020-21/003 15.8.2021
34	VINAYAKAMURUTHI J	611817104051	Intime Solutions, Bangalore	Ref.No: ITS/PSV/CSE/2020-21/010 20.9.2021
35	YAMUNA. A	611817104054	Virgo Technologies, Bangalore	Ref.No: VT/PSV/CSE/2020-21/006 12.12.2021

4.6 Professional Activities (20)   Total Marks 20.00

The program shall provide relevant details

Professional Bodies	2023 - 2024	2022 - 2023	2021 - 2022
ISTE	3	6	4
CSI	1	4	-
ICT Academy	1	-	-

Academic Year – CAY (2023 – 2024)

Sl. No	Event Type Organized	Title of the Event	Resource persons	Date	No. of Participants	Professional Bodies
1	Seminar	Full Stack development	Balakumaran Muralidaran, Product architect	20.11.2023	150	ICT Academy
2	Seminar	IoT	Mr.K.Ariram, Software engineer Amazon, Bangalore	04.10.2023	62	ISTE
3	Workshop	Cloud Computing	Mr. G. Raju, Executive Director, Apollo Computer Education Ltd, Krishnagiri	01.09.2023 to 02.09.2023	104	ISTE
4	Workshop	Data Science and its Application	Mrs. P. ShobanaPritha, Software Developer and Trainer Pvt. Ltd, Chennai	24.08.2023 to 25.08.2023	95	ISTE
5	Workshop	NS2 Simulation	Dr. C. Sathish , Associate Professor, PMC, Hosur	21.07.2023 to 22.07.2023	60	CSI

Academic Year – CAYm1 (2022 – 2023)

Sl. No	Event Type Organized	Title of the Event	Resource persons	Date	No. of Participants	Professional Bodies
1	Webinar	Crypo Currency	Mr.K.Ariram, Software engineer Amazon, Bangalore	30.04.2023 to 31.04.2023	55	ISTE
2	Symposium	Technovation 2k23	Mr. M. Seetharam, IT Industry, Chennai	27.04.2023	115	CSI
3	Workshop	Artificial Intelligence	Mr. Srinivasan Chandra Sekaran, Lead Engineer CISCO, Bangalore	04.04.2023 to 06.04.2023	95	CSI
4	Workshop	Hadoop	Mr. G. Raju, Executive Director, Apollo Computer Education Ltd, Krishnagiri	30.03.2023 to 31.03.2023	75	ISTE
5	Seminar	Big data	Mrs. P. ShobanaPritha, Software Developer and Trainer Pvt. Ltd, Chennai	10.03.2023 to 11.03.2023	64	ISTE
6	Seminar	Cyber forensics	Dr. D. Sumathi, Associate Professor, KuppamEngg. College, Kuppam	02.03.2023	105	ISTE
7	Workshop	Ethical Hacking	Dr. S. John cristopher, Product Engineer, Manager, Checktronix, Dharmapuri	11.11.2022 to 12.11.2022	95	ISTE
8	Workshop	MANET	Mr. C. Gokul, Software Engineer, Sri Jai Technologies	20.10.2022 to 21.10.2022	110	ISTE
9	Workshop	Android Application Development	Mr.K.Ariram, Software engineer Amazon, Bangalore.	15.09.2022 to 16.09.2022	60	CSI
10	Guest Lecture	Artificial Intelligence and Machine learning	Dr. C. Sathish , Associate Professor, PMC, Hosur	10.02.2022	52	CSI

Academic Year – CAYm2 (2021 – 2022)

Sl. No	Event Type Organized	Title of the Event	Resource persons	Date	No. of Participants	Professional Bodies
1	Symposium	Infotrix 2k22	Dr. S. John cristopher, Product Engineer, Manager, Checktronix, Dharmapuri	17.05.2022	196	ISTE
2	Workshop	Cyber security	Mr. G. Raju, Executive Director, Apollo Computer Education Ltd, Krishnagiri	25.02.2022	86	ISTE

| 3 | Seminar | IoT | Mr.K.Ariram, Software engineer Amazon, Bangalore | 01.12.2021 | 55 | ISTE |
| 4 | Webinar | Soft Computing | Mrs. P. ShobanaPritha, Software Developer and Trainer Pvt. Ltd, Chennai | 01.10.2021 to 02.10.2021 | 64 | ISTE |

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

Institute Marks : 5.00

Magazines:

The Department releases its magazines annually, in the month of June, featuring an editorial board composed of faculty and student representatives. The content delves into technical articles by students, alumni and faculty.

S.No	Title	Editorial Team Member Chief editor		Year
		Student	Faculty	
1	Post covid19 –Multi Modality Analysis of Psychology Disorder	Rajapandivallarasu K Mohammed Nayeem. S	Dr.S.Chandra Sekaran	2021
2	Recent trend of Quantum Computing.	Jayarahul. V Kavin.T.S	Dr.S.Chandra Sekaran	2022

Figure 4.6.2 (s): Department Magazine Academic Year 2022-2023

News Letter:

The department publishes a newsletter bi-annually, the editorial board consists of faculty and student representatives and the content of the newsletter is about the latest developments in the department, events organized by the Department and Awards/ Prizes received by students from inter and intra college competitions.

S.No	Title	Volume	Issue	Date	Editorial Team Member	
					Faculty	Student
1	Infotrix	Volume1	Issue 1	Dec'2021	Dr.S.Chandra Sekaran	Abdullah. M Santhosh. M
2	Infotrix	Volume1	Issue 2	Jun'2022	Dr.S.Chandra Sekaran	Rajapandivallarasu K Mohammed Nayeem. S
3	Infotrix	Volume1	Issue 1	Dec'2022	Dr.S.Chandra Sekaran	Jayarahul. V Kavin.T.S
4	Infotrix	Volume1	Issue 2	June'2023	Dr.S.Chandra Sekaran	M Murugan James Antony Raj.

Figure 4.6.2 (b) News letter 2023-2024 vol-1

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

Institute Marks : 10.00

Inter Institute events by students

(Curricular , Extra Curricular Events and Awards /Prizes)

S.No	Academic Year	A. Events within the State		B. Events outside the State		C. Awards / Prizes	
		Curricular	Extra-Curricular	Curricular	Extra-Curricular	Curricular	Extra-Curricular
1	2023-2024	43	5	-	-	3	4
2	2022-2023	30	27	8	-	6	7
3	2021-2022	9	4	-	-	1	-

Table 4.6.3 (1): A. Inter Institute Events by the student - Curricular activities (Event within the State)

S.No	Name of the student	Department	Year	Event Details	Date of the Event	Associated Institution
				2023-2024		
1	Jams Antony Raj P	CSE	IV	KGI CyberCrats Hackathon -2k23	31.10.23	Adhiyamaan College of Engineering
2	Murugan M	CSE	IV	KGI CyberCrats Hackathon -2k23	31.10.23	Adhiyamaan College of Engineering
3	Ajai .S	CSE	III	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
4	Balaji M	CSE	III	Symposium(Project Expo)	30.10.2023	Er.Perumal Manimekalai College of Engineering
5	Balaji M	CSE	III	Symposium(Smart Click)	30.10.2023	Er.Perumal Manimekalai College of Engineering
6	Kishore Kumar K	CSE	III	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
7	Yogesh.N	CSE	III	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
8	Likkith Kumar M	CSE	III	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
9	Bhavya M	CSE	III	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
10	Keerthana.M	CSE	III	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
11	Kaviya Lakshmi A	CSE	III	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
12	Mansoor Basha.A	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
13	Logaraj.C	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
14	Shiyam Surya.S	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
15	Sachin Ram Kumar.K	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
16	Sathish S	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
17	Lauhiit J H	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
18	Harish.V	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
19	Venuarvind.V.R	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
20	VetryVelan J	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
21	Hajira.M	CSE	IV	Symposium	31.10.2023	Er.Perumal Manimekalai College of Engineering
22	Jothi B	CSE	IV	Symposium	31.10.2023	Er.Perumal Manimekalai College of Engineering
23	YogeshWaran S	CSE	IV	Symposium	30.10.2023	Er.Perumal Manimekalai College of Engineering
24	Anisha.M	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 To 15.09.2023	Government College Of Engineering And Technology
25	Anitha.R	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 To 15.09.2023	Government College Of Engineering And Technology
26	Anushree.M	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology

27	Babyshalini M	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
28	Hajira.M	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
29	Indhu Shree.S	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
30	Jothi.B	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
31	Kiruthiga V	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
32	Lavanya.T	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
33	Praba M	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
34	Punitha.G	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
35	Renuka R	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
36	Sivaranjani.P	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
37	Sushmajith.R	CSE	IV	Science and Technology Capacity Building for Industrial Needs	13.09.2023 to 15.09.2023	Government College Of Engineering And Technology
38	Sanjai B	CSE	III	NPTEL	Jul-Aug 2023	-
39	Asmath	CSE	II	NPTEL	Jul-Oct 2023	-
40	Mansoor Basha.A	CSE	IV	Idea/Project Presentation	27.08.2023	PCI Spreading Innovation
41	Mansoor Basha.A	CSE	IV	Quiz Competition on Python Programming	27.08.2023	PCI Spreading Innovation
42	M.Balaji	CSE	III	Video Presentation on Engineer's Day	15.09.2023	P.S.V College of Engineering and Technology
43	M.Balaji	CSE	III	Project Expo in Engineer's Day	15.09.2023	P.S.V College of Engineering and Technology
				2022-2023		
1	Balaji M	CSE	II	Symposium	17.11.2022	Er.Perumal Manimekalai College of Engineering
2	Balaji M	CSE	II	Symposium(quiz)	17.11.2022	Er.Perumal Manimekalai College of Engineering
3	Balaji M	CSE	II	Symposium(Debugging)	24.04.2023	Bharathidasan Engineering College
4	Anushree.M	CSE	III	Symposium	13.03.2023 to14.03.2023	Government College Of Engineering And Technology
5	Anisha.M	CSE	III	Symposium	13.03.2023 to14.03.2023	Government College Of Engineering And Technology
6	Meghdharshini .S	CSE	III	Symposium	13.03.2023 to 14.03.2023	Government College Of Engineering And Technology
7	Punitha.G	CSE	III	Symposium	13.03.2023 TO 14.03.2023	Government College Of Engineering And Technology
8	Sivaranjani.P	CSE	III	Symposium	13.03.2023 to 14.03.2023	Government College Of Engineering And Technology
9	M.Balaji	CSE	II	Symposium(Paper Presentation)	13.03.2023 to 14.03.2023	Government College Of Engineering And Technology
10	M.Balaji	CSE	II	Symposium(Technical Quiz)	13.03.2023 to 14.03.2023	Government College Of Engineering And Technology
11	V.Kiruthiga	CSE	III	Quiz mobile photography in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering
12	B.Jothi	CSE	III	Code Cracking on Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering
13	M.Hajira	CSE	III	Paper presentation in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering

14	P.James Antony Raj	CSE	III	Code cracking in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering
15	V.Kiruthiga	CSE	III	Poster Contest in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering
16	M.Hajira	CSE	III	Poster Contest in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering
17	M.Balaji	CSE	II	MEME Creation Contest in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering
18	V.Kiruthiga	CSE	III	Poster Making on Project expo	15.09.2022	P.S.V College of Engineering and Technology
19	M Anisha	CSE	III	Poster Making on Engineer's Day	15.09.2022	P.S.V College of Engineering and Technology
20	M.Hajira	CSE	III	Poster Making on Engineer's Day	15.09.2022	P.S.V College of Engineering and Technology
21	P.James Antony Raj	CSE	III	Project expo in Engineer's Day	15.09.2022	P.S.V College of Engineering and Technology
22	M.Balaji	CSE	II	Poster Making in Engineer's Day	15.09.2022	P.S.V College of Engineering and Technology
23	A.Sowmiya	CSE	IV	Workshop on Python	25.09.2022	Apollo Computer Education
24	B.Jothi	CSE	III	Workshop on Python	25.09.2022	Apollo Computer Education
25	P.James Antony Raj	CSE	III	Workshop on Python	25.09.2022	Apollo Computer Education
26	A.Sowmiya	CSE	IV	Conference	29.08.2022-30.08.2022	P.S.V College of Engineering and Technology
27	Soumya Prasad	CSE	IV	Conference	29.08.2022-30.08.2022	P.S.V College of Engineering and Technology
28	E.Gayathri	CSE	IV	Conference	29.08.2022-30.08.2022	P.S.V College of Engineering and Technology
29	S.Devi Priya	CSE	IV	Conference	29.08.2022-30.08.2022	P.S.V College of Engineering and Technology
30	Z. Shafiya Afsan	CSE	IV	Conference	29.08.2022-30.08.2022	P.S.V College of Engineering and Technology

2021-2022						
1	V.Harish	CSE	II	Poster design in Symposium	31.05.2022	Er.Perumal Manimekalai College of Engineering
2	Mansoor Basha.A	CSE	II	Symposium	31.05.2022	Er.Perumal Manimekalai College of Engineering
3	R.Divya	CSE	III	Workshop on Python	13.04.2022	Uniq Technologies,Bangalore
4	Z.Shafiya Afsan	CSE	III	Workshop on Python	13.04.2022	Uniq Technologies,Bangalore
5	T.S.Monisha	CSE	III	Workshop on Python	13.04.2022	Uniq Technologies,Bangalore
6	A.Sowmiya	CSE	III	Workshop on Python	13.04.2022	Uniq Technologies,Bangalore
7	M Anisha	CSE	II	Workshop on Python	13.04.2022	Uniq Technologies,Bangalore
8	B.Jothi	CSE	II	Workshop on Python	13.04.2022	Uniq Technologies,Bangalore
9	P.James Antony Raj	CSE	II	Workshop on Python	13.04.2022	Uniq Technologies,Bangalore

Inter Institute Events by the student – Extra Curricular activities (Event within the State)

S.No	Name of the student	Department	Year	Event Details	Date of the Event	Associated Institution	Awarded /Partcipated
2023-2024							
1	M.Hajira	CSE	IV	Speech	03.06.2023	Aaram anbian adayalam Foundation	Participated
2	M.Prasanth	CSE	IV	Painting	03.07.2023	Artist on Nehru yuva kendra	Awarded in IInd place
3	M.Prasanth	CSE	IV	Drawing	15.07.2023	Nadar Saraswathi College Of Engineering And Technology	Awarded in Ist place
4	M.Hajira	CSE	IV	Speech	16.12.2023	Pasumai Vasal Foundation	Awarded in IInd place
5	M.Hajira	CSE	IV	Speech	30.12.2023	Kalaingar 100th year celebration	Awarded in Third Place

							2022-2023	
1	M.Hajira	CSE	III	Drawing	25.01.2023	13th National Voters Day	Awarded in Third Place
2	B.Jothi	CSE	III	Inter collegiate debate	11.01.2023	Federal bank Hormis memorial foundation	Participated
3	M.Hajira	CSE	III	Inter collegiate debate	11.01.2023	Federal bank Hormis memorial foundation	Participated
4	V.Kiruthiga	CSE	III	Prevent spread of Plastic pollution	04.11.2022	Ministry of Defence	Participated
5	M.Hajira	CSE	III	Drawing	21.10.2022	Election Commission of India,SVEEP 2022	Awarded in Third Place
6	S.Ajai	CSE	II	Photography on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
7	M.Balaji	CSE	II	Poetry on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
8	S.Meghadharshni	CSE	III	Artist on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
9	S.Harish Kumar	CSE	II	Photography on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
10	K .Lokesh	CSE	II	Photography on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
11	M.Praveen Kanth	CSE	II	Photography on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
12	M.Hajira	CSE	III	Declamation on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
13	M Anisha	CSE	III	Artist on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
14	M.Prasanth	CSE	III	Artist on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Awarded in Second Place
15	G Punitha	CSE	III	Photography on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Participated
16	V.Kiruthiga	CSE	III	Annual Training Camp	24.08.2022 to 04.09.2022	5(TN) Air Squadron(Tech)NCC,Salem	Participated
17	M.Hajira	CSE	III	Tamil Essay	15.08.2022	Vidiyal Educational Trust	Participated
18	M.Prasanth	CSE	III	Drawing	15.08.2022	Vidiyal Educational Trust	Participated
19	V.Kiruthiga	CSE	III	Handwriting	15.08.2022	Vidiyal Educational Trust	Participated
20	V.Kiruthiga	CSE	III	Say Yes to Life, No to Drugs	03.08.2022	Narcotics Control Bureau	Participated
21	M.Prasanth	CSE	III	Drawing	21.10.2022	SVEEP	Awarded in Ist place
22	M Anisha	CSE	III	Sports Throwball	11.06.2022	P.S.V College of Engineering and Technology	Runner
23	V.Kiruthiga	CSE	III	Sports Throwball	11.06.2022	P.S.V College of Engineering and Technology	Runner
24	Lavanya T	CSE	III	Annual Training Camp	14.06.2022 to 23.06.2022	5(TN) Air Squadron(Tech)NCC, Salem	Participated
25	V.Kiruthiga	CSE	III	Annual Training Camp	14.06.2022 to 23.06.2022	5(TN) Air Squadron(Tech)NCC, Salem	Participated

26	B.Jothi	CSE	III	Annual Training Camp	14.06.2022 to 23.06.2022	5(TN) Air Squadron(Tech)NCC, Salem	Participated
27	M.Balaji	CSE	II	Basket Ball	04.05.2023 to 06.05.2023	P.S.V College of Engineering and Technology	Runner
				2021-2022			
1	M.Hajira	CSE	II	Speech	31.03.2022	District Minority Trust,Tamilnadu	Participated
2	B.Jothi	CSE	II	Annual Training Camp	15.11.2021 to 21.11.2021	5(TN) Air Squadron(Tech)NCC, Salem	Participated
3	Lavanya T	CSE	II	Annual Training Camp	15.11.2021 to 21.11.2021	5(TN) Air Squadron(Tech)NCC, Salem	Participated
4	V.Kiruthiga	CSE	II	Annual Training Camp	15.11.2021 to 21.11.2021	5(TN) Air Squadron(Tech)NCC, Salem	Participated

Table 4.6.3 (2): B. Inter Institute Events by the student - Curricular activities (Event outside the State)

2022-2023

S.No	Name of the student	Department	Year	Event Details	Date of the Event	Associated Institution	Awarded /Partcipated
1	Bhagavaan S	CSE	2018-2022 Batch	Smart India Hackathon	25.08.22 to 26.08.22	KIT Kolapur MP	Participated
2	Sasikumar R	CSE	2018-2022 Batch	Smart India Hackathon	25.08.22 to 26.08.22	KIT Kolapur MP	Participated
3	Vikram S	CSE	2018-2022 Batch	Smart India Hackathon	25.08.22 to 26.08.22	KIT Kolapur MP	Participated
4	Jayarahul. V	CSE	IV	Conference	28.05.2022	Kuppam Engineering College, Kuppam.	Participated
5	Gangadharan M	CSE	IV	Conference	28.05.2022	Kuppam Engineering College, Kuppam.	Participated
6	Kavin.T.S	CSE	IV	Conference	28.05.2022	Kuppam Engineering College, Kuppam.	Participated
7	Aarthi M	CSE	IV	Conference	28.05.2022	Kuppam Engineering College, Kuppam.	Participated
8	Soumya Prasad	CSE	IV	Conference	28.05.2022	Kuppam Engineering College, Kuppam.	Participated

Table 4.6.3 (3): C. Prizes / Award received by the students - Curricular activities

S.No	Name of the student	Department	Year	Event Details	Date of the Event	Associated Institution	Awarded
				2023-2024			
1	Balaji M	CSE	III	Symposium (Project Expo)	30.10.2023	Er.Perumal Manimekalai College of Engineering	Awarded 1ST Place
2	Balaji M	CSE	III	Symposium (Smart Click)	30.10.2023	Er.Perumal Manimekalai College of Engineering	Awarded 1ST Place
3	M.Balaji	CSE	III	Video Presentation on Engineer's Day	15.09.2023	P.S.V College of Engineering and Technology	Awarded in 2nd place
				2022-2023			
1	Balaji M	CSE	II	Symposium (quiz)	17.11.2022	Er.Perumal Manimekalai College of Engineering	Awarded in 1st place
2	Balaji M	CSE	II	Symposium (Debugging)	24.04.2023	Bharathidasan Engineering College	Awarded in 1st place
3	V.Kiruthiga	CSE	III	Poster Contest in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering	Awarded in 1st place
4	M.Balaji	CSE	II	Poster Making on Engineer's Day	15.09.2022	P.S.V College of Engineering and Technology	Awarded in 2nd place
5	M.Hajira	CSE	III	Poster Contest in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering	Awarded in 1st place

6	M.Balaji	CSE	II	MEME Creation Contest in Symposium	16.11.2022	Er.Perumal Manimekalai College of Engineering	Awarded in 3rd place
2021-2022							
1	V.Harish	CSE	II	Poster design in Symposium	31.05.2022	Er.Perumal Manimekalai College of Engineering	Awarded in 2nd place

Prizes / Award received by the students – Extra Curricular activities

S.No	Name of the student	Department	Year	Event Details	Date of the Event	Associated Institution	Awarded
2023-2024							
1	M.Prasanth	CSE	IV	Painting	03.07.2023	Artist on Nehru yuva kendra	Awarded in 2nd place
2	M.Prasanth	CSE	IV	Drawing	15.07.2023	Nadar Saraswathi College Of Engineering And Technology	Awarded in 1st place
3	M.Hajira	CSE	IV	Speech	16.12.2023	Pasumai Vasal Foundation	Awarded in 2nd place
4	M.Hajira	CSE	IV	Speech	30.12.2023	Kalaingar 100th year celebration	Awarded in Third Place
2022-2023							
1	M.Hajira	CSE	III	Drawing	25.01.2023	13th National Voters Day	Awarded in Third Place
2	M.Hajira	CSE	III	Drawing	21.10.2022	Election Commission of India, SVEEP 2022	Awarded in Third Place
3	M.Prasanth	CSE	III	Artist on Nehru yuva kendra	14.10.2022	Arignar Anna College (Arts & Science)	Awarded in Second Place
4	M.Prasanth	CSE	III	Drawing	21.10.2022	SVEEP	Awarded in 1st place
5	M Anisha	CSE	III	Sports Throwball	11.06.2022	P.S.V College of Engineering and Technology	Runner
6	V.Kiruthiga	CSE	III	Sports Throwball	11.06.2022	P.S.V College of Engineering and Technology	Runner
7	M.Balaji	CSE	II	Basket Ball	04.05.2023 to 06.05.2023	P.S.V College of Engineering and Technology	Runner

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Total Marks 163.63

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	Asso Type
Dr.S.CHANDRA SEKARAN	ANIPC7044B	ME/M. Tech and PhD	15/12/2018	Wireless Networks	17	0	0	Professor	24/12/2018	17/06/2013	Regu
Mr.C.PRAKASH NARAYANAN	BNAPP7141R	M.E/M.Tech	30/04/2010	Computer Science and Engineering	0	0	0	Assistant Professor		14/06/2010	Regu
Prof.D.ANITHA	AQHPA5743M	M.E/M.Tech	30/06/2008	Computer Science and Engineering	0	0	0	Assistant Professor		02/07/2014	Regu
A.NISHANTHI	BDJPT4458G	M.E/M.Tech	30/06/2017	Computer Science and Engineering	0	0	0	Assistant Professor		04/12/2017	Regu
B.NEELU	LAHPS9041P	M.E/M.Tech	29/06/2013	Computer Science and Engineering	0	0	0	Assistant Professor		29/06/2018	Regu
K.NANDHINI	ANDPN3074H	M.E/M.Tech	30/06/2014	Computer Science and Engineering	0	0	0	Assistant Professor		27/11/2020	Regu
D.GANDHIMATHI	BLHPG9689N	M.E/M.Tech	30/04/2019	Computer Science and Engineering	0	0	0	Assistant Professor		03/01/2020	Regu
A.R.ASHOK KUMAR	AQBPA2186Q	M.E/M.Tech	30/05/2008	Computer Science and Engineering	0	0	0	Assistant Professor		17/07/2023	Regu
N.VIJAYALAKSHMI	CPHPN9525B	M.E/M.Tech	30/06/2015	Computer Science and Engineering	0	0	0	Assistant Professor		13/09/2023	Regu
R.MONISHA	DTMPM0649M	M.E/M.Tech	30/04/2020	Computer Science and Engineering	0	0	0	Assistant Professor		10/08/2022	Regu
M.ANNADURAI	DOPPA4345E	M.E/M.Tech	31/08/2023	Computer Science and Engineering	0	0	0	Assistant Professor		11/09/2023	Regu
L.VISHNUPRIYA	ASQPL4481L	M.E/M.Tech	30/06/2016	Computer Science and Engineering	0	0	0	Assistant Professor		14/09/2023	Regu
C.SURESH	DFZPS4881A	M.E/M.Tech	30/06/2009	Computer Science and Engineering	0	0	0	Assistant Professor		16/09/2023	Regu
M.NANDHINI	BGDPN3818B	M.E/M.Tech	30/06/2015	Computer Science and Engineering	0	0	0	Assistant Professor		01/03/2023	Regu
SOWMIYA	GEHPS9983B	M.E/M.Tech	30/06/2017	Computer Science and Engineering	0	0	0	Assistant Professor		03/04/2023	Regu
T.JANSIRANI	AWPPJ9246A	M.E/M.Tech	30/06/2015	Computer Science and Engineering	0	0	0	Assistant Professor		28/03/2022	Regu
B.SAKTHIVEL	CQJPS2388E	M.E/M.Tech	30/07/2008	Computer Science and Engineering	9	0	0	Assistant Professor		02/06/2010	Regu
G.DEEPA	CGEPD8981R	M.E/M.Tech	29/06/2013	Computer Science and Engineering	0	0	0	Assistant Professor		19/12/2016	Regu
Dr.SUBHASHINI	BPVPS8354E	ME/M. Tech and PhD	30/06/2022	Computer Science and Engineering	7	0	0	Associate Professor	01/07/2022	28/07/2015	Regu
M.RAMYA SRI	COCPR5883L	M.E/M.Tech	30/06/2014	Computer Science and Engineering	0	0	0	Assistant Professor		24/02/2021	Regu

| R.KALAIMAGAL | FGHRN5642B | M.E/M.Tech | 30/06/2018 | Computer Science and Engineering | 0 | 0 | 0 | Assistant Professor | | 28/03/2022 | Regu |

5.1 Student-Faculty Ratio (20)

Total Marks 18.00

Institute Marks : 18.00

| R.KALAIMAGAL | FGHRN5642B | M.E/M.Tech | 30/06/2018 | Computer Science and Engineering | 0 | 0 | 0 | Assistant Professor | | 28/03/2022 | Regu |

5.1 Student-Faculty Ratio (20)

Total Marks 18.00

Institute Marks : 18.00

UG

No. of UG Programs in the Department 1

Year of Study	B.E. - Computer Science and Engineering					
	CAY		CAYm1		CAYm2	
	(2023-24)		(2022-23)		(2021-22)	
	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	4	60	3	60	8
3rd Year	60	3	60	8	60	1
4th Year	60	8	60	1	60	0
Sub-Total	**180**	**15**	**180**	**12**	**180**	**9**
Total	**195**		**192**		**189**	
Grand Total	195		192		189	

PG

No. of PG Programs in the Department 0

Grand Total			

SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 0

Description	CAY(2023-24)		CAYm1 (2022-23)		CAYm2 (2021-22)	
Total No. of Students in the Department(S)	195	**Sum total of all (UG+PG) students**	192	**Sum total of all (UG+PG) students**	189	**Sum total of all (UG+PG) students**
No. of Faculty in the Department(F)	13	**F1**	11	**F2**	11	**F3**
Student Faculty Ratio(SFR)	15.00	**SFR1=S1/F1**	17.45	**SFR2=S2/F2**	17.18	**SFR3=S3/F3**
Average SFR	16.54	**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(2023-24)	13	0
CAYm1(2022-23)	11	0
CAYm2(2021-22)	11	0

Average SFR for three assessment years : 16.54

Assessment SFR : 18

5.2 Faculty Cadre Proportion (25)   Total Marks 21.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2023-24)	1.00	1.00	2.00	0.00	6.00	12.00
CAYm1(2022-23)	1.00	1.00	2.00	0.00	6.00	10.00
CAYm2(2021-22)	1.00	1.00	2.00	0.00	6.00	10.00
Average Numbers	1.00	1.00	2.00	0.00	6.00	10.67

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 12.5 :   21.00

5.3 Faculty Qualification (25)   Total Marks 14.63

	X	Y	F	FQ = 2.5 x [(10X + 4Y) / F)]
2023-24(CAY)	1	12	9.00	16.11
2022-23(CAYm1)	1	10	9.00	13.89
2021-22(CAYm2)	1	10	9.00	13.89

Average Assessment :   14.63

5.4 Faculty Retention (25)   Total Marks 15.00

Description	2022-23	2023-24
No of Faculty Retained	8	6
Total No of Faculty	11	11
% of Faculty Retained	73	55

Average :   64.00

Assessment Marks :   15.00

5.5 Innovations by the Faculty in Teaching and Learning (20)   Total Marks 20.00
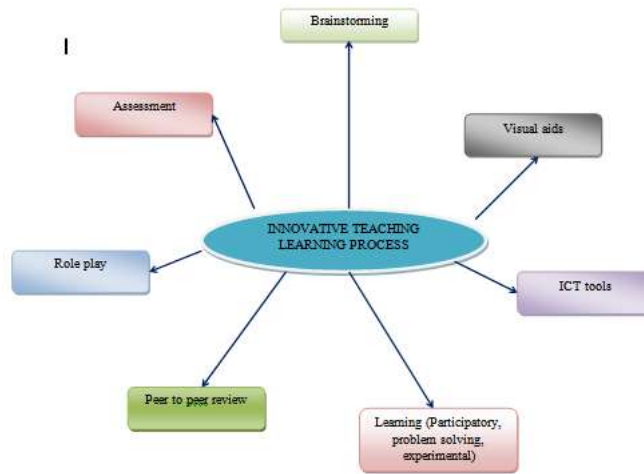
Figure no: 5.5 Innovations of TLP

- The effective teaching and learning gives the experiment of new pedagogical approaches, technologies, curricular enhancement, assessment, course design and organization.
- A new way of teaching that promote student engagement, reorganization of a course(s) that improves students ability to apply what they learn, course content that clarifies historical changes, in theory, novel assignments that lead to increased student engagement, student publications, and activities that bring students from diverse backgrounds together.
- Subjects handled by the faculty members with new innovative methods in the classroom help to improve the creative ideas of the students.

S.No	Course code/ name	Year/sem	Faculty name	Instructional method/delivery	Assessment	Impact analysis
1	CS8591/ Computer Network	III /V	Mr. C. Prakash Narayanan	Instructional Method: Simulation	Case Study	Students were able to understand the topics in a depth manner
2	CS8601/Mobile Computing	III/VI	Mr. C. Prakash Narayanan	Instructional Delivery: Video Lectures	Technical Debug	Broadening access to higher education
3	CS8493/Operating System	II/IV	Dr. S. Chandra Sekaran	Instructional Method: Role Play	Technical Quiz	For complex Scenario this method is used
4	CS8391/Data Structure	II/III	Mr . D. Gandhimathi	Instructional Delivery : Experimental Learning	Case Study	Students able to process working behind upcoming technology
5	CS8494/Software Engineering	II/ IV	Mrs K. Nandini	Instructional Method : Peer to Peer Review	Case Study	Some Concepts are difficult to understand it make visualization clear.

Type of Innovation	Brainstorming
Course Code/Name	CS8391/Data Structure
Instructor Name	Mr . D. Gandhimathi
Objective	To understand the concept of ADT.

Implementation:

DOWN:
1. _____ function is used to insert an element at the top of the stack.
3. A _____ is called a tree if it is a connected acyclic graph.
4. _____ method is used to retrieve or fetch the first element of the Stack or the element present at the top of the Stack. The element retrieved does not get deleted or removed from the Stack.
6. A _____ Algorithm is used to rearrange a given array or list of elements according to a comparison operator on the elements.
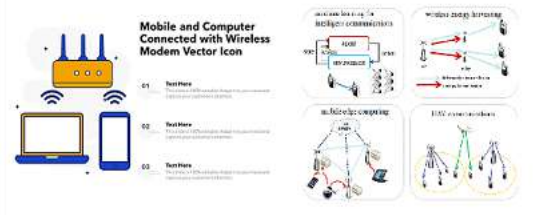8. _____ are used when we need to repeatedly execute a block of statements.
9 A _____ data structure is a- hierarchical data structure.

ACROSS:
2. _____ refers to the process of generating a fixed-size output from an input of variable size.
5. Arithmetic expression evaluation is an application of _____ Data Structure?
7. _____ is defined as a process or set of well-defined instructions that are typically used to solve a particular group of problems or perform a specific type of calculation.
10. _____ can be used to store the memory address of other variables, and functions.

Impact analysis:

Entertaining and challenging vocabulary practice tools stimulate the student's motivation and autonomy, and they lead to a better understanding of concepts in Data Structure.

Type of Innovation	Visual aids
Course Code/Name	CS8601/Mobile Computing
Instructor Name	Mr. C. Prakash Narayanan
Objective	To learn the basics of the telecommunication system

Implementation

A visual aid is any material that gives shape and form to words or thoughts. Types of visual aids include physical samples, models, handouts, pictures, videos, infographics, etc. Visual aids have come a long way to now include digital tools such as overhead projectors, PowerPoint presentations, and interactive boards.

Here we used visual aids in mobile Computing to visualize the connection with different Devices supporting mobile computing including smart phones, tablets, laptops, and wearable devices, such as smart watches.

Impact Analysis

Visual aids allow students to understand concepts easily by affecting and stimulating their cognitive capabilities and imagination. Visuals are also known to expand "human bandwidth," making it easier to analyze, comprehend, and absorb new information.

Type of Innovation	Role Play
Course Code/Name	CS8493/Operating system
Instructor Name	Dr. S. Chandra Sekaran
Objective	To understand i/o management and file system

Implementation :

Role-play on the allocation mechanism determines how files are allocated on the storage device. This can include allocation techniques such as contiguous allocation, linked allocation, indexed allocation, or a combination of these techniques used in operating systems.

Impact Analysis :

Role-play exercises allow students to assume the role of a person or act out a given situation. These roles can be performed by individual students, in pairs, or in groups which can play out a more complex scenario.

Type of Innovation	ICT tool
Course Code/Name	CS8492/Database Management System
Instructor Name	Mrs. B. Neelu
Objective	To understand the internal storage structure using different file indexing

Implementation

Working on Google documents, teachers can Provide detailed instructions on how the task should be done. And Provide links on the Google document sheet to perform polls and share feedback anonymously.

The teacher can add some pictures and memes to make the document more interesting. Google Docs has proven to effectively help teachers and students minimize the number of ICT tools used in the learning process because it is user-friendly
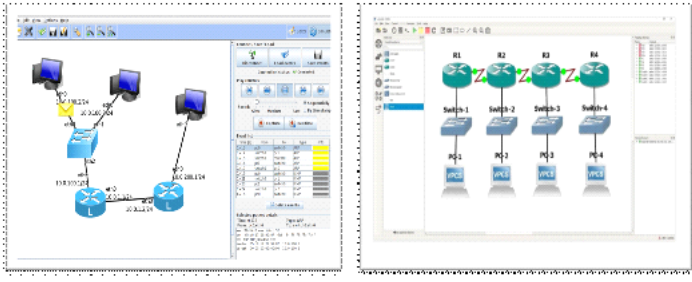
Students who are not able to attend classes online can always trace the work of their colleagues at any time they want. Google launched a dedicated mobile app for Docs on the Android and IOS mobile operating systems.
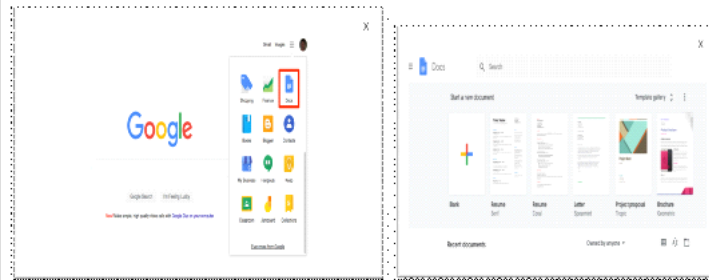
Impact Analysis :

There is a significant and positive attitude towards using *ICT tools* in the teaching/learning process to speed up the transfer of information, increase student interest, and allow processes to be automated. It encourages critical thinking. It facilitates communication between teachers and students.

Type of Innovation	Peer to peer Review
Course Code/Name	CS8494/Software Engineering
Instructor Name	Mr. B. Sakthivel
Objective	To understand the concept of requirement engineering and analysis modeling.

Implementation:

Peer review enables organizations to understand practitioners' perspectives from a wide range of backgrounds. Peer review creates valuable professional development opportunities for practitioners at different stages of their careers.

Peer review needs to be approached with a spirit of inquiry, with organizations approaching peers who can challenge their thinking and peers committed to providing honest, supportive, and constructive feedback.

Impact analysis:

Peer review encourages participating organizations to select peers to review their work, providing unique and well-informed perspectives. The peer's role is to experience the work of an organization and respond to an Impact & Insight Toolkit survey.

Type of Innovation	Learning(Participatory, Problem solving, Experimental)
Course Code/Name	CS8591/Computer Network
Instructor Name	Mr. C. Prakash Narayanan
Objective	To analyze the performance of a network

Implementation:

Simulation-based learning is a form of experiential learning where learners are tasked to solve complex problems in controlled environments through replicated "real-life scenarios".

It is a software program that examines the various network entities' relationship and then forms the network performance and various network entities including witches, inks, nodes, routers, and access points.

Evaluation of network or protocol performance in different conditions, various surrounding features can also be modified in the controlled environment.

Impact analysis:

Student evaluations provide evidence that the simulation process enhances their knowledge of such abstract theories and concepts. The simulation increases students' interest and provides a memorable experience that they will not forget.

Type of Innovation	Assignment
Course Code/Name	Object-oriented Analysis and Design
Instructor Name	Mrs. Monisa C
Objective	To understand the Unified process from other approaches

Implementation:

A Rubric is a type of scoring guide that assesses and articulates specific components and expectations for an assignment. Rubrics can be used for a variety of assignments: research papers, group projects, portfolios, and presentations.

Rubrics are most often used to grade written assignments. Students can use them for self-assessment to improve personal performance and learning. Encourage students to use the rubrics to assess their own work.

Impact analysis:

Motivating students to improve their work by using rubric feedback to resubmit their work incorporating the feedback. This will help to judge whether the rubric is clear to them and will identify any weaknesses.

All the innovative practices are available on the institutional website for effectiveness and reflective critique

5.6 Faculty as participants in Faculty development/training activities/STTPs (15)   Total Marks 15.00

Name of the faculty	Max 5 Per Faculty		
	2022-23 (CAYm1)	2021-22 (CAYm2)	2020-21 (CAYm3)
B. Sakthivel	0.00	3.00	5.00
S. Chandra Sekaran	5.00	3.00	3.00
C. Prakash Narayanan	3.00	3.00	3.00
D. Anitha	0.00	3.00	3.00
A. Nishanthi	3.00	0.00	3.00
G. Deepa	3.00	3.00	3.00
B. Neelu	3.00	3.00	5.00
D. Gandhimathi	3.00	3.00	3.00
K. Nandini	5.00	3.00	5.00
M. Sathya	0.00	0.00	5.00
C. Manimegalai	0.00	0.00	3.00
M. Subashini	0.00	5.00	3.00
M. Ramya Sri	0.00	3.00	3.00
R. Kalaimagal	3.00	0.00	0.00
T. Jansirani	5.00	0.00	0.00
R. Monisha	3.00	0.00	0.00
Sum	36.00	32.00	47.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratioas per 5.1	9.75	9.60	9.45
Assessment [3*(Sum / 0.5RF)]	22.15	20.00	29.84

Average assessment over 3 years: 24.00

5.7 Research and Development (30)   Total Marks 20.00

The details of publications made by faculty members of the Computer Science and Engineering Department in indexed/refereed journals during the last three years

A. Number of quality publications refereed/SCI journals, citations, Books/Book Chapter etc..

S.No	Academic Year	International Journal	International Conference	National Conference	Patent Filed / Published/ Grant	Book Chapter	Total
1	2023-2024	1	-	-	1	1	3
2	2022-2023	8	14	9	1	1	33
3	2021-2022	2	1	6	3	1	13
	SubTotal	11	15	15	5	3	49

Table –5.7.1.a Details of Research Publications
Table -5.7.1.a List of Research Publication for three Assessment Years
(Academic Year: 2023-2024)

S.No	Name of thefaculty	JournalName	TitleofPaper	ISSNNo
1	C.Prakash Narayanan	Eur.Chem.Bull.2023	Generative AI &ML Models for 6G communications and Internet of everything	2928-2939

(Academic Year: 2022-2023)

S.No	Name of thefaculty	JournalName	TitleofPaper	ISSNNo
1	S.Chandra Sekaran	ICTACT	An Enhanced Ensemble Hybrid Deep Learning Algorithm for Improving the Accuracy in IRIS Segmentation	0976-9102
2	B.Sakthivel	Computer Integrated Manufacturing Systems	Deep Belief Network (DBN) Classifier in Vertical Handover in Heterogeneous Wireless NetworkS	1006-5911
3	B.Sakthivel	Telematique	A Study on MANETs: Design, Advancement, Security Efforts, Applications and Results	5377 - 5388
4	S.Chandra Sekaran	Telematique	A Study on MANETs: Design, Advancement, Security Efforts, Applications and Results	5377 - 5388
5	B.Sakthivel	IJSREM	Real-time Data Provably Secure Fine-Grained Data Access Control Over Multiple Cloud Servers	2582-3930
6	S.Chandra Sekaran	IJSREM	A Secure Intrusion Detection System Against Ddosattack In Wireless Mobile Ad1	2582-3930
7	C.Prakash Narayanan	IJSREM	A New Implementation Of Advanced Secured Data Sharing Scheme For In Cloud-Assisted IOT	2582-3930
8	S.Chandra Sekaran	ICTACT	An Improvised Ensemble CNN Algorithm For Detecting Video Stream In Multimedia	0976-9102

(Academic Year: 2021-2022)

S.No	Name of thefaculty	JournalName	TitleofPaper	ISSNNo
1	B.Sakthivel	INT-JECSE	Artificial intelligence based multi-criteria vertical handoff mechanism (AI-VHOM) in wireless networks	1308-5581

2	S.Chandra sekaran	INT-JECSE	Artificial intelligence based multi-criteria vertical handoff mechanism (AI-VHOM) in wireless networks	1308-5581

Table -5.7.1.b List of Conference
(Academic Year: 2022-2023)

S.No	Name of thefaculty	National/ International	TitleofPaper
1	B.Sakthivel	International	A Hybrid Fault-Finding Routing Protocol For WSN Base Don Gaussian Network(Conference)
2		National	Real Time Data Provably Secure Fine-Grained Data Access Control Over Multiple Cloud Servers. (Conference)
3		National	Real Time Data Provably Secure Fine-Grained Data Access Control Over Multiple Cloud Servers. (Conference)
4		National	Artificial Intelligence Based Multi-Criteria Vertical Handoff Mechanism (Ai-Vhom) In Wireless Network (Conference)
5		National	Artificial Intelligence Based Multi-Criteria Vertical Handoff Mechanism (Ai-Vhom) In Wireless Network (Conference)
6		National	A Study On Manets: Design, Advancement, Security Efforts, Applications And Results(Conference)
7	B.Sakthivel	International	Analysis And Implementation Of Content Based Image Retrieval (Cbir) System Using Machine Learning
8	Dr.S.Chandra Sekaran	National	An Improvised Ensemble CNN Algorithm For Detecting Video Stream In Multimedia(Conference)
9		National	Multimodality Analysis Of Psychological Disorders(Conference)
10		International	Implementation of Intrusion Detection System against DDos Attack in Mobile Adhoc Network
11		International	Implementation of Dynamic Security Schema with Multiple Key Generation for Data Protection using Machine Learning Approach
12		International	Analysis And Implementation Of Content Based Image Retrieval (Cbir) System Using Machine Learning

S.No	Name of the faculty	National/ International	Title of Paper
13		National	A New Implementation Of Advance Securing Data Sharing Scheme For In Cloud Assisted IOT(Conference)
14	C.Prakash Narayanan	International	Implementation of Virtual mouse Using Hand Gesture
15		International	Implementation of Dynamic Security Schema with Multiple Key Generation for Data Protection using Machine Learning Approach
16		National	Conference On A Secure Intrusion Detection System Against Ddos Attack In Wireless Adhc- Network
17	B.Neelu	International	Implementation of Efficient Privacy Preserving Online Fingerprint
18		International	Analysis and Application of Remote Sensing Devices Using Supervising Learning Approach
19		International	Real Time Diagnosis and Automatic Node Analysis System
20	K.Nandini	International	Implementation Of Fine Grained Multi-Cloud Data Protection And Secure Data Sharing Over The Cloud
21		International	Prevention Of Data Leakers In Spatial Domain
22	D.Gandhimathi	International	Analysis and Application of Remote Sensing Devices Using Supervising Learning Approach
23	R.Monisha	International	Implementation of Web Application Vulnerabilities With Sql Injection Prevention On Cloud

(Academic Year: 2021-2022)

S.No	Name of the faculty	National/ International	Title of Paper
1	B.Sakthivel	International	Generic Framework For Handoff In Wireless Sensor Networks With Random Forest Classifier
2	B.Sakthivel	National	Artificial Intelligence Based Multi Criteria Vhom in WSN
3	B.Sakthivel	National	A Study On Manets:Design,Advancement,Tenders, Safety Matters andresults
4	Dr.S.Chandrasekaran	National	Analysis On Human Brain Using Graohulo Method To Retrieve Plasticity Of Brain Connectome

5	C.Prakash Narayanan	National	Analysis Of Realtime Data Localization On Unstructured Data Sending Through Noisy Environment
6	B.Neelu	National	Detecting Skin Cancer Using Convolutional Network
7	K.Nandini	National	Implementation Of Assistive System For Human Safety Using Yolo Algorithm

Table -5.7.1.c List of Patent filed for three Assessment Years

(Academic Year: 2023-2024)

S.No	Academic Year	Faculty Name	Title of Innovation	Category	Application Number	Date	Status
1	2023-2024	Mr. C Prakash narayanan	Solar Based Irrigation System	Design Grant	6304788	01/09/2023	Granted

(Academic Year: 2022-2023)

S.No	Academic Year	Faculty Name	Title of Innovation	Category	Application Number	Date	Status
1	2022-2023	Dr. S. Chandra Sekaran	Wireless Charger for Smartphones	Design Grant	379391-001	15/02/2023	Granted

(Academic Year: 2021-2022)

S.No	Academic Year	Faculty Name	Title of Innovation	Category	Application Number	Date	Status
1	2021-2022	Dr. S. Chandra Sekaran	Fire Detector	Design Grant	355529-001	25/12/2021	Granted
2	2020-2021	Dr. S. Chandra Sekaran	Object Identification System for Blind People	Patent Publication	202111012748	02/04/2021	Published
3	2018-2019	Dr. S. Chandra Sekaran	Sensitive Information Management System and method Thereof	Patent Publication	201941019479 A	24/05/2019	Published

Table -5.7.1.d List of book chapter for three Assessment Years

(Academic Year: 2023-2024)

S.No	Academic Year	Faculty Name	Title of book	Publication	Date	Status
1	2023-2024	Dr. S. Chandra Sekaran	Quantum Safe Cryptography	Deutsche Nationalbibliothek https://doi.org/10.1515/ (https://doi.org/10.1515/) 9783110798159	August 7, 2023 ISBN: 9783110798005	Published
2	2023-2024	Dr. S. Chandra Sekaran	Toward Artificial General Intelligence	Published by De Gruyter 2024 https://doi.org/10.1515/ (https://doi.org/10.1515/) 9783111323749	November 6, 2023 ISBN: 9783111323749	Published

(Academic Year: 2022-2023)

S.No	Academic Year	Faculty Name	Title of book	Publication	Date	Status

S.No	Year	Name of Faculty	Title	DOI	Date	Status
1	2022-2023	Dr. S. Chandra Sekaran	Data Science Applications of Post-COVID-19 Psychological Disorders	https://doi.org/ 10.52305/ KRLL5890 (https://doi.org/%2010.52305/%20KRLL5890)	October 20th, 2022 ISBN: 979-8-88697-165-1	Published

B. Ph.D guided/ Ph.D awarded during the assessment period while working in the institute

S.No	Name of the Faculty	Year of Awarded	Name of the University	Name of the Supervisor	Research Area / Title	Status
1	Dr.S.Chandra Sekaran	2018	Anna University, Chennai	Dr. G. Tholkappia Arasu	Wireless Network/	Awarded

5.7.2 Sponsored Research (5)   Institute Marks :

2022-23 (CAYm1)

Project Title	Duration	Funding Agency	Amount

2021-22 (CAYm2)

Project Title	Duration	Funding Agency	Amount

2020-21 (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**

Academic Year: 2022-2023

S.No.	Product Development	Mentor	Students/External Organization Involved
1	IoT based Flood Alert System	Dr. S. Chandra Sekaran	James Antony Raj P/ PSVCET
2	Online Blood Bank System – Web Application	Mr. C. Prakash Narayanan	Murugan M / PSVCET
3	Student Gate Pass – Web Application	Mrs. B. Neelu	Prasanth
4	Face Mask Detector	Mr. B. Sakthivel	Eaganathan S / PSVCET
5	Crime Rate Prediction – IoT Based	Dr. S. Chandra Sekaran	Bhagavaan S / PSVCET
6	Campus Management System – Faculty and Student Achievement (Web Application)	Mrs. K. Nandini	Santhosh. M S / PSVCET
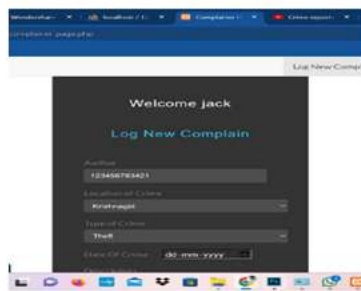
Crime Rate Prediction – IoT Based

Campus Management System
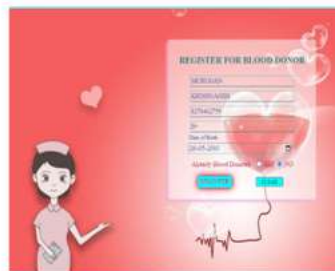
Online Blood Bank System

Academic Year 2021-2022

S.No.	Product Development	Mentor	Students/External Organization Involved
1	Online Chatting Application – Android Application	Mr. B. Neelu	Janani. B / PSVCET
2	Youtube Transcript Summarize	Mr. B. Sakthivel	Nanda Elavarasu. K / PSVCET
3	Women Safety Application – Android Application	Dr. S. Chandra Sekaran	Shoaib Akhthar . N / PSVCET
4	Anna University Syllabus – Web-based Application	Mrs. K. Nandini	Nandha Kumar. L / PSVCET
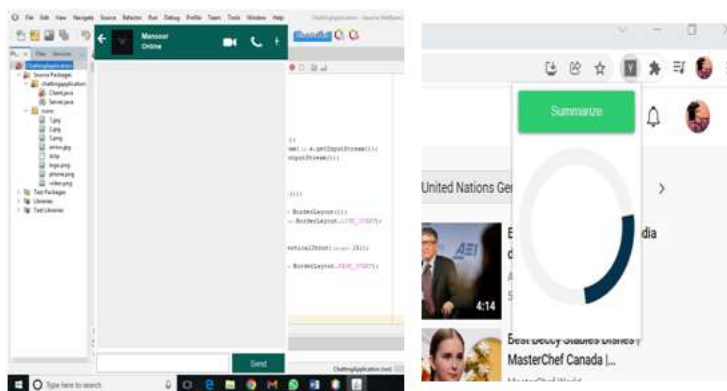
Online Chatting Application – Android Application

Youtube Transcript Summarize

B. Research laboratories:

S.No.	Name of the Lab	Research Facility (Component/Equipment Name/ Software)	Activity Detail
1.	Data Science Lab	Core i3 system with 8GB RAM, Anoconda-Numpy, Pandas	Students Project and Consultancy Work
2.	Internet Programming Lab	Core i3 system with 8GB RAM, XAMP-Windows, Apache, MySql, PHP	
3.	Mobile Application Development Lab	Core i3 system with 8GB RAM, R Studio, IDL Eclipse with Android	

C.Instructional materials

To enable the students to learn the courses and its related concepts thoroughly, various Instructional materials are made available for the students in the college Library. The details of instructional materials available are given in table.

S.No.	Name of the Course	Materials	Available in ERP / Website / Library
1	All Courses	PowerPoint Presentations	Library
2		Video Lectures	Library
3		Question Bank	Library
4		Lab Materials	Library
5		Two Marks Q & A	Library
6		Previous University Questions	Library

D.Working models/charts/monograms etc.

Lab Instruction Charts are available in all the labs. Some sample Chart pictures areprovided below

Table -5.7.3.a List of charts

S.No	Subject code with Name	Title of chart in the labs
1	CS3401- Algorithm	Chart on Algorithm of Complexity Analysis.
2	CS8501-Computer Networks	Chart on OSI Layers.
3	CS8792-Crytography and Network Security	Chart on Public key Cryptosystem
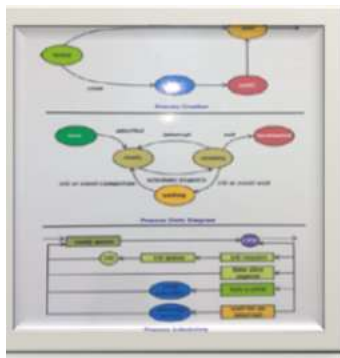
Fig 5.7.3 a Chart on Unix Process Management

Fig 5.7.3 b Chart on OSI Layers

Fig 5.7.3 c Chart on Public Key Cryptosystem
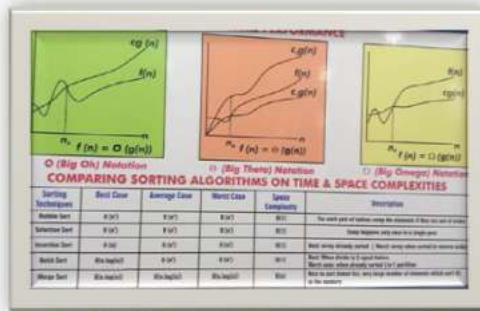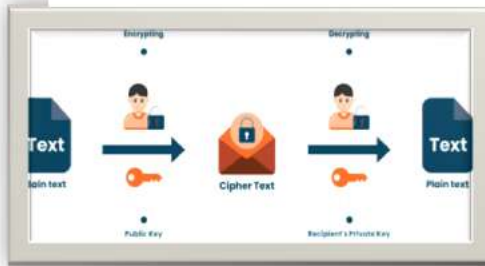
Fig 5.7.3 d Chart on Algorithm Complexity Analysis

The Faculty members of our department have prepared monogram for various courses which are listed in table 5.7.3.4.3

Table 5.7.3 List of Monograms

S.No	Course code and Title	Monograms	Prepared by
1	CS8792-Cryptography and Network Security	SHA, RSA, DES, AES, PGP, MIME and IP Sec	Mr. A.R. Ashok Kumar
2	CS8501-Computer Networks	UDP,FTP,TCP and CNN	Mr.C.Prakash Narayanan
3	CS8602-Compiler Design	NFA,FA,DFA,TM,LALR,SLR and	Mrs.B.Neelu

5.7.4 Consultancy(from Industry) (5)   Institute Marks :

2022-23 (CAYm1)

Project Title	Duration	Funding Agency	Amount

2021-22 (CAYm2)

Project Title	Duration	Funding Agency	Amount

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

Project Title	Duration	Funding Agency	Amount

Once a year the teaching and nonteaching staff members will submit the self-appraisal form to HoD. This is a valuable process for both the institute and the faculty, as it provides the areas that need to be improved. It helps both faculty and the Head of the Institution to define strategies for overall improvement. Every year all faculty members and staff have to submit a comprehensive self-appraisal report through their Heads of the department to the HoD.

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

The Faculty Performance Appraisal and Development Systemprovideseach faculty member with a clear understanding of what is fundamentally to be done as a dynamic faculty member. During the annual evaluation process, each faculty member has an opportunity to review strengths, weaknessesand expectations based upon his/her achievements in the previous year. The annual review method also allows a faculty member to work with the head of the department to fix new objectives with targets for the next year.

The faculty evaluation form includes their contribution to the teaching-learning process, research, consultancy, administration, and service

Teaching Learning Process:

Ø Percentage of a pass in University exams (Odd & Even).

Ø Students Feedback.

Ø Activity for uplifting slow learners.

Ø Faculty Communication Skill development.

Research and Consultancy:

Ø Journal Publication of technical papers.

Ø Publications of books.

Ø Guided projects.

Ø Ph.D. completed.

Ø Conference papers – oral presentation in the reputed conference. (National / International)

Department and Institutional Development

Ø Faculty contribution to the development of the department and Institution.

Ø Faculty roles and responsibilities in the department work.

Ø Faculty advisor/ Class advisor.

Ø IQAC coordinator.

Ø Members in department/ Institution level committees.

Awards and Recognition

Ø Awards won at state, national, and international levels.

Ø Recognition such as peer reviewer, guest lecturer, and board of study members.

Administration and Service

Ø Mentor effectiveness.

Ø Seminars, Workshop, National and International Conference or Value Added Program organized.

Ø Administration and outreach activities.

The accomplishment of this evaluation process is the development of the institution along with the self-growth of every faculty member. The feedback for each faculty is taken department-wise and sent to department heads with a copy to the Principal. The department heads discuss the same with the faculty on a one-to-one basis and appreciate or counsel depending on their feedback.

B.Faculty appraisal system implementation and effectiveness

Implementation of Supporting Staff Appraisal System

At the end of each academic year, all the supporting staff submits their performance appraisal form, which includes the following parameters,

Ø Personal Traits

Ø Administrative Skills

Ø Work-related Skills

Ø Contribution to college activities

The department head evaluates the appraisal form and the report is submitted to the principal for further process. The performance appraisal process of the year comes to the final stage with one-to-one discussion. The Management plays an active role in the performance appraisal of the faculty and staff. Every year departments best faculty, best researcher, and best-supporting staff awards will be given based on their performance appraisal. This motivates all other faculty members to perform well in academics and research.

The department heads and the Principal recommend the following suggestions to improve the performance of the individual faculty,

Ø Journal Publication of technical papers

Ø Attending seminars, workshops, National and International conferences, Faculty Development Programs

Ø Publications of books

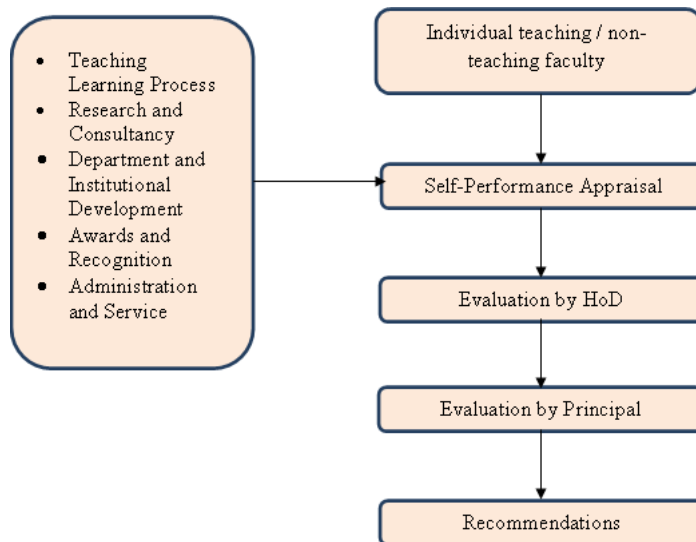Guiding projects and suggesting the required in the coming years.

Figure 5.8(a) Process of Self performance appraisal system

Table 5.8(a).The implementation and effectiveness of the performance appraisal system for the academic year 2021-2022:

S.No	Name of the Faculty	Remarks (2021-2022)	Effectiveness (during 2022-2023)
1	Mrs. K. Nandhini	Need to participate in FDPs and JournalPublication	○ Participated ina workshop on "CYBERSECURITY-23" organized by Dwaraka Doss Goverdhan Doss Vaishnav College. ○ Participated in an International Conferencetitled "Real Time Diagnosis and Automatic Node Analysis System" ○ Participated in an International Conference titled "Implementation Of Fine-Grained Multi-Cloud Data Protection And Secure Data Sharing Over The Cloud"
2	Mrs. D. Gandhimathi	Need to participate in FDPs and Journal Publication	○ Participated in an International Conferencetitled "Prevention of Data Leakers In Spatial Domain"
3	Mrs.B. Neelu	Need to participate in FDPs and Journal Publications.	○ Participated in FDP on "PYTHON FOR DATA SCIENCE UNDER NPTEL" organized by NPTEL. ○ Participated in FDP on "Cloud Infrastructure and AWS Technologies" organized by PSNA College of Engineering And Technology, Dindigul.
4	Mr.C. Prakash Narayanan	Need to participate in FDPs and Journal Publications.	○ Participated an FDP on "Disruptive Technologies of Computer Science 2023" organized by Sathyabama Institute of Science and Technology. ○ Participated in a FDP on "CLOUD INFRASTRUCTURE AND AWS TECHNOLOGIES" organized by Psna College Of Engineering And Technology,Dindigul. ○ A Journal published the title "A New Implementation of Advanced Secured Data Sharing Scheme for In Cloud-Assisted IOT " in the journal IJSREM"

EVALUATION SUMMARY: (Form A)

APIs	Total Marks	Self-Evaluation	Evaluation by EA
Category – I : Teaching, Learning & Evaluation	60		
Category – II : Co-Curricular, Extension & Professional Development	60		

Category – III :Research and Development	30		
Total	150		

Fig.No:5.8 Sample faculty performance (form B)

5.9 Visiting/Adjunct/Emeritus Faculty etc. (10)   Total Marks 10.00

Table 5.9(a) Details of Visiting Faculties

S.No.	Academic Year	Resource Person Details	Name of the Subject	Topics Covered	Hours
1	2023-2024	Mr.M.Santhosh, Wizn Softech, Service private limited	CS3451-Introduction to Operating System	1.Storage Management 2.Virtual Machines and Mobile OS	25
2.	2022-2023	Ms.Lavanya T.S, Apollo Computer Education Ltd.	CS3352-Foundation Of Data Science	1. Python Libraries for Data Wrangling. 2. Data Wrangling and Histogram.	25
			CS3401-Algorithm	1.State Space Search Algorithm 2.NP-Complete and Approximation Algorithm	25
3.	2021-2022	Ms.Gowri Manogari V, Software Developer and Trainer,VEI Technologies Pvt.Ltd	CS8791-Cloud Computing	1. Resources management and security in the cloud. 2. Cloud Technologies and Advancement.	25
		Ms.Lavanya T.S, Apollo Computer Education Ltd.	CS8602-Compiler Design	1. Runtime Environment and Code generation. 2.Code Optimization and Peep hole optimization.	25

6 FACILITIES AND TECHNICAL SUPPORT (80)

Total Marks 80.00

6.1 Adequate and well equipped laboratories, and technical manpower (30)

Total Marks 30.00

Institute Marks : 30.00

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Computer Lab-1	30	Processor : Intel Core i3@ 3.3 GHz Hard Disk Drive(SSD) : 256 GB RAM : 8 GB	CS3311- Data Structures Laboratory, CS3381 -Object Oriented Programming Laboratory, CS3461 Operating Systems Laboratory, CS3481 Database Management Systems Laboratory	Mrs. K. Kavitha	Assistant Instructor	B.Sc(CS)
2	Machine Learning Lab	30	Processor : Intel Core i3@ 3.3 GHz Hard Disk Drive(SSD) : 256 GB RAM : 8 GB	CS3361- Data Science Laboratory, GE3361 - Professional Development, CS3491 -Artificial Intelligence and Machine Learning (Theory cum Practical), CS3401 Algorithms (Theory cum Practical)	Mrs. S. Anandhi	Assistant Instructor	B.Sc(CS)
3	Programming Lab	30	Processor : Intel Core i3@ 3.3 GHz Hard Disk Drive(SSD) : 256 GB RAM : 8 GB	CS3591- Computer Networks(Theory cum Practical), CS3501 Compiler Design(Theory cum Practical), CCS375-Web Technologies(Theory cum Practical), Big Data Analytics(Theory cum Practical), CS8711 -Cloud Computing Laboratory	Mr. K. Ajithkumar	Assistant Instructor	B.E (CSE)
4	Project Lab	30	Server configuration: Dell Processor: Intel®Xeon®@3.50GHz, RAM : 32 GB 1TB SSD Client Configuration HP Processor : Intel Core i3@ 3.3GHz SSD Disk Drive :256 GB, RAM : 8 GB	CS8611 –Mini Project, CS8811 - Project Work	Mr. C.Valliyappan	Assistant Instructor	B.E (CSE)
5	Research and Innovation Lab	20	Server configuration: Dell Processor: Intel®Xeon®@3.50GHz, RAM : 32 GB 1TB SSD Client Configuration HP Processor : Intel Core i3@ 3.3GHz SSD Disk Drive :256 GB, RAM : 8 GB	Research Oriented Work, Creating and evaluating new innovation ideas	Mr. C.Valliyappan	Assistant Instructor	B.E (CSE)

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	Data Analytical Tools	In research or innovation, data science analytical tools are the powerhouse that transforms raw data into groundbreaking insights. It involves collecting, cleaning, and analyzing data to discover patterns, trends, and new knowledge.	Provides hands-on exposure of the data science process to the students.	This facility is used to execute projects and enhance career opportunities	Data Engineer, Data Architect	PO2,PSO1
2	Amazon Web Service (AWS)	Amazon Web Services (AWS) stands as an expansive and evolving cloud computing platform offered by Amazon. It delivers a blend of infrastructure as a service (IaaS), platform as a service (PaaS), and packaged software as a service (SaaS) solutions.	The AWS offers students practical experience with AWS	This facility is used for project implementation and to enhance career opportunities.	Cloud Computing	PO2, PO3, PO12, PSO1
3	Power BI	Power BI provides a diverse range of visualization choices, encompassing charts, graphs, maps, tables	The Students and Faculties have the capability to craft reports that are not only interactive but also dynamically responsive.	The Utilization of Power BI tools find application across diverse sectors and industries, providing users with powerful functionalities for conducting data analysis, visualization, and business intelligence.	Data Analysis and Exploration Forecasting and Predictive Analytics Data Collaboration, Data Visualization	PO2, PO5, PO12, PSO1
4	IoT	Arduino and Raspberry PI. Arduino IDEs	The programming is integrated into the microcontrollers of the newest Arduinos, allowing remote control of various devices by another machine.	This facility is employed to automate real-time industry projects.	Smart city, Home automation, and Automated water plants	PO1, PO3, PO9, PSO2
5	Digital Library System	J-Gate is an electronic gateway to global e-journal literature. J-Gate provides seamless access to millions of journal articles.	The Digital Library has the facility to access journals in the field of IT industry to enhance their research and innovation ideas.	The students and the faculties utilize the digital library effectively with a dedicated internet bandwidth of 100 Mbps.	Reading e-journals can make the students and the faculties, good with digital stuff and helps to connect with information from all around the world.	PO12

6.3 Laboratories: Maintenance and overall ambiance (10)   Total Marks 10.00

1. The trained Technical staff are available to maintain Computer Systems and Software.
2. Notice board containing a list of lab experiments, Do's & Donts is properly maintained.
3. Maintenance of each lab is done periodically with a maintenance chart.
4. The Wi-Fi enabled Campus with the speed of 100Mbps Internet connection is provided for students and Faculty usage.
5. The Department Laboratory has one 30KVA UPS with 5 Hrs power backup to support in case of power failures.
6. As per the requirements the minor repairs are carried out by the Technical Staff.
7. Major repairs are outsourced as per the Institutional policy.
8. Each laboratory maintains a stock register, detailing the equipment history within it.
9. Assistant Instructors is the in-charge of overall functioning/maintenance of all labs.
10. All the computers are protected with Microsoft Defender anti-virus software.
11. First aid kit is available in all laboratories.
12. Fire Extinguishers (CO_2) are available in all Computer Labs.

Overall Ambience

1. All laboratories have well-furnished equipment.
2. Every laboratory having a sufficient number of windows is available for ventilation and natural light.
3. Laboratory manuals are prepared and are available in soft and hard copy.
4. Each Lab is equipped with LCD Projector, whiteboard, and Computer with a high-speed Internet connection.
5. Centralized Air Conditioning is provided in all the laboratories.
6. All the laboratories are provided UPS with power backup to ensure the uninterrupted conduction of laboratory sessions.
7. The Conditions of the chairs and tables are good and Computers are provided for individual students in the Lab.
8. Laboratories are kept open beyond office hours as per the students needs.
9. Research facilities are available in the laboratory for all faculties and students to carry out research work and projects.
10. Exclusively, a project lab has been provided for the students to carry out their project work, this will promote innovation and creative ideas for the students.
11. Safety Measures are displayed in all computer labs.

Fig. No. 6.3(1): Periyar Block - Computer Lab 1

Fig. No. 6.3(2): Internal view of Computer Lab1

Fig. No. 6.3(3): Kalam Block - ICT Enabled Lecture Hall

Project work plays an important role in the educational experience and provides practical skills for the future employment of engineering students, the objective of this lab is to motivate and encourage students to do their projects. This lab also aims to make the students provide the industrial environment to make them adaptable to any changes in their career. The Project Laboratory is utilized for mini-projects and final year projects and helps the students to get exposed to research work.

Table No. 6.4(1): List of Equipments and Softwares available in Project Laboratory

Name of the Laboratory	Number of Students	Major Facilities / Equipment's / Software Available
Project Lab	30	**1. Server configuration:** Dell Processor: Intel®Xeon®@3.50GHz, 1TB HARD DISK RAM : 32 GB **2. Client configuration** HP Processor : Intel Core i3@ 3.3GHz SSD Disk Drive : 256 GB, RAM : 8 GB
Research and Innovation Lab	20	**3. Microsoft Campus Agreement** Microsoft Visual Studio Microsoft Office 365, SQLServer 4. **Open Source Software** Python, MySQL Net beans IDE, Apache Tomcat, Turbo C 3.0, C++, Java SE, Development Kit, NS-2/NS-3 (Network Simulator Tool), R –Studio, IDL Eclipse - Android Software, Anaconda, Jupiter, Spyder, Pyscripter, Weka, Argouml

Fig. No. 6.4(1): Research and Innovation Lab

Fig. No. 6.4(2): Project Presentation

Sample Products of Students Project

Fig. No. 6.4(3-a): Crime Rate Prediction – IoT Based

Fig. No. 6.4(3-b): Crime Rate Prediction – IoT Based

Fig. No. 6.4(4): Campus Management System

Fig. No. 6.4(5): Online Blood Bank System

Fig. No. 6.4(6): Online Chatting Application – Android Application

Fig. No. 6.4(7): You-tube Transcript Summarize
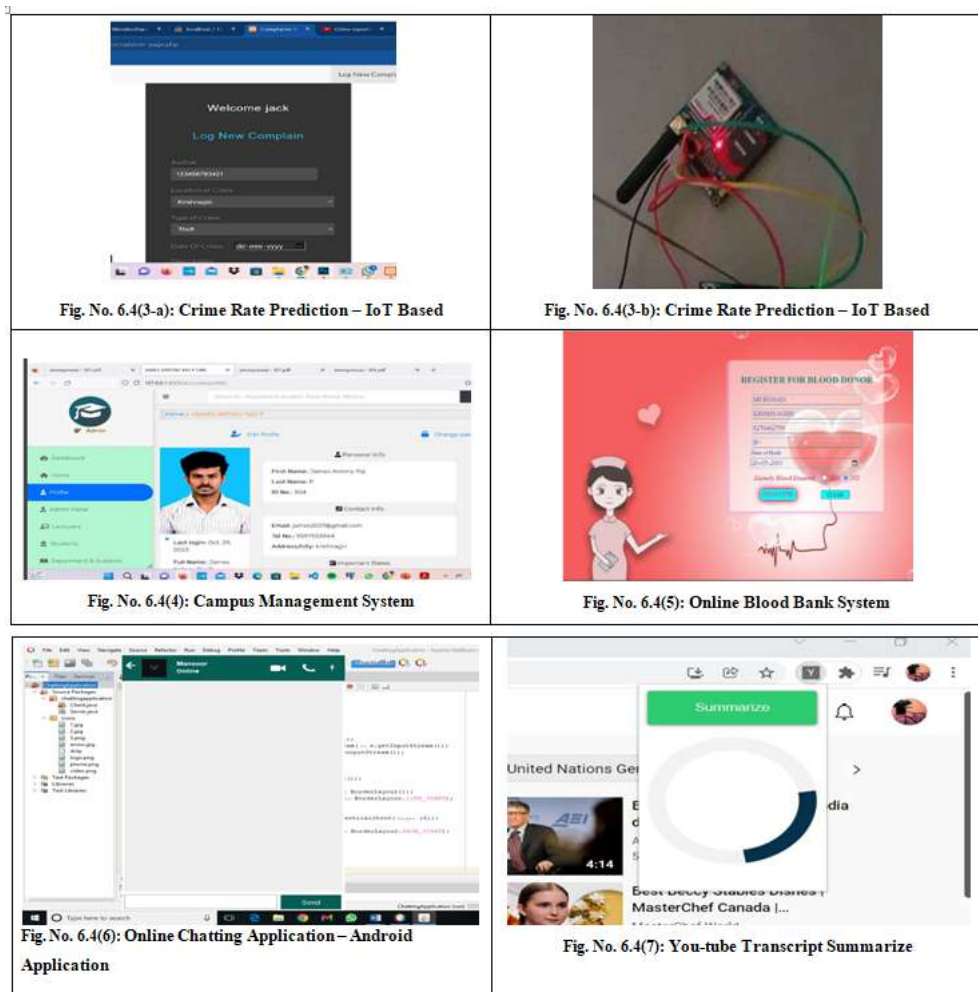
6.5 Safety measures in laboratories (10)   Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Computer Lab-1	1. First Aid Box is available in all the laboratories. 2. Fire Extinguishers (CO2) are provided in all the laboratories. 3. Safety Measures are displayed on the Notice board of the laboratories. 4. MCBs are installed to protect devices from electrical short circuits. 5. Routers (Mikrotikls SIA, LV1039) are installed for data packet routing, network address filtering, and acting as an intermediary between networks. 6. IP Configuration, system parameters, or system files stored in the hard disk are strictly prohibited in laboratory. 7.No student or personnel is allowed to attach or detach any peripheral to and from any IT equipment or devices without explicit permission from the Assistant Instructor. 8. Computer systems are properly shutdown. 9. Pen Drives strictly restricted inside the laboratories. 10. Cell phones strictly prohibited inside the laboratories. 11. CCTV camera were attached in all the laboratories.
2	Machine Learning Lab	1. First Aid Box is available in all the laboratories. 2. Fire Extinguishers (CO2) are provided in all the laboratories. 3. Safety Measures are displayed on the Notice board of the laboratories. 4. MCBs are installed to protect devices from electrical short circuits. 5. Routers (Mikrotikls SIA, LV1039) are installed for data packet routing, network address filtering, and acting as an intermediary between networks. 6. IP Configuration, system parameters, or system files stored in the hard disk are strictly prohibited in laboratory. 7.No student or personnel is allowed to attach or detach any peripheral to and from any IT equipment or devices without explicit permission from the Assistant Instructor. 8. Computer systems are properly shutdown. 9. Pen Drives strictly restricted inside the laboratories. 10. Cell phones strictly prohibited inside the laboratories. 11. CCTV camera were attached in all the laboratories.
3	Programming Lab	1. First Aid Box is available in all the laboratories. 2. Fire Extinguishers (CO2) are provided in all the laboratories. 3. Safety Measures are displayed on the Notice board of the laboratories. 4. MCBs are installed to protect devices from electrical short circuits. 5. Routers (Mikrotikls SIA, LV1039) are installed for data packet routing, network address filtering, and acting as an intermediary between networks. 6. IP Configuration, system parameters, or system files stored in the hard disk are strictly prohibited in laboratory. 7.No student or personnel is allowed to attach or detach any peripheral to and from any IT equipment or devices without explicit permission from the Assistant Instructor. 8. Computer systems are properly shutdown. 9. Pen Drives strictly restricted inside the laboratories. 10. Cell phones strictly prohibited inside the laboratories. 11. CCTV camera were attached in all the laboratories.
4	Project Lab	1. First Aid Box is available in all the laboratories. 2. Fire Extinguishers (CO2) are provided in all the laboratories. 3. Safety Measures are displayed on the Notice board of the laboratories. 4. MCBs are installed to protect devices from electrical short circuits. 5. Routers (Mikrotikls SIA, LV1039) are installed for data packet routing, network address filtering, and acting as an intermediary between networks. 6. IP Configuration, system parameters, or system files stored in the hard disk are strictly prohibited in laboratory. 7.No student or personnel is allowed to attach or detach any peripheral to and from any IT equipment or devices without explicit permission from the Assistant Instructor. 8. Computer systems are properly shutdown. 9. Pen Drives strictly restricted inside the laboratories. 10. Cell phones strictly prohibited inside the laboratories. 11. CCTV camera were attached in all the laboratories.

5	Research and Innovation Lab	1. First Aid Box is available in all the laboratories. 2. Fire Extinguishers (CO2) are provided in all the laboratories. 3. Safety Measures are displayed on the Notice board of the laboratories. 4. MCBs are installed to protect devices from electrical short circuits. 5. Routers (Mikrotikls SIA, LV1039) are installed for data packet routing, network address filtering, and acting as an intermediary between networks. 6. IP Configuration, system parameters, or system files stored in the hard disk are strictly prohibited in laboratory. 7.No student or personnel is allowed to attach or detach any peripheral to and from any IT equipment or devices without explicit permission from the Assistant Instructor. 8. Computer systems are properly shutdown. 9. Pen Drives strictly restricted inside the laboratories. 10. Cell phones strictly prohibited inside the laboratories. 11. CCTV camera were attached in all the laboratories.

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- (2022-23)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	2.1	2.38	The target level has been achieved. However the course need attentions are Theory of Computation and Data Structures will aid the students to solve complex engineering problems by applying the knowledge gained during the sessions.
Action 1 : In the course Theory of computation the Animation videos, Tutorial problems and Assignments are given to the student and also J-Flap tool is used to explain the step by step procedure of PDA and TM construction. Action 2 : In the course Data Structure Problem based learning is inculcated to impart the design thinking. With subsequent theory and laboratory sessions, students are motivated to practice efficient programs leveraging complex data structures.			
PO 2 : Problem Analysis			
PO 2	2.1	2.02	Target level need to be achieved , Further improvement Need in the course Operating system and Complier design and the Target level of the course will be improved by giving application-based on assignments and by showing National Programme on Technology Enhanced Learning (NPTEL) video lectures.
Action 1: In the Course Operating System Real time server configurations, user profile generation, file permission settings are dealt through Virtualization mechanisms. Hence students are able to comprehend and solve complex problems easily. Action 2: Students are supported to work in laboratory beyond the regular planned class hours and it is monitored by the course instructor. Action 3 : Expert session related to project guidance is planned to improve the ability to identify, formulate and analyze the engineering problem.			
PO 3 : Design/development of Solutions			
PO 3	2.1	1.96	Target level need to be achieved , The courses which need attention are Cryptography and Network Security and Computer Network The students are not able to establish the relation with the software artifacts learnt and real-life problems.
Action 1: Students will be encouraged to do industrial training and internships to enhance the ability to identify and formulate complex engineering problems. Action 2: Faculty is advised to give application-based assignments to students.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.1	1.75	Target level need to be achieved , The courses which need attention are Internet Programming and Computer Architecture the Data analytical and interpretation skills of the students needs to be improved. Students face challenges to select the appropriate software tools from a wide Variety of software available for a given problem.
Action 1: In the course Internet Programming the Web page design is practiced as part of curriculum, which helped students to enrich knowledge about the WAMP Server & LAMP. Action 2: Students are introduced to different software in project laboratory. Action 3 : Students are encouraged to do industry sponsored projects to enhance skills to investigate / analyze real life complex problem			
PO 5 : Modern Tool Usage			
PO 5	2.1	1.69	Target level need to be achieved, The courses which need attention are Design analysis and algorithm and Artificial Intelligence Required making students aware of advanced tools used in IT Industry. Students lack in practicing the Modeling Simulation and Analytical tools
Action 1: In the Course Artificial Intelligence the students are motivated to explore more on analysis and interpretation of data for selecting research-based project statement. Action 2 : Students are motivated to enroll for different courses like National Programme on Technology Enhanced Learning (NPTEL), Spoken tutorial, Coursera etc. Action 3 : Extra sessions are arranged to make students aware of latest tools, techniques and trends			
PO 6 : The Engineer and Society			
PO 6	2.1	1.83	Target level need to be achieved . Need to improve in Innovation and emerging treads in the field of engineering and science having impact on society and environment and also improve the consequent responsibilities relevant to the professional engineering practice handled NCC, NSS and YRC activities.
Action 1: Commitment of an Engineer to the society was trained as part of curriculum. Various NSS, YRC and NCC activities were arranged to boost the duties and responsibilities of budding Engineers Action 2: Industrial visits is planned to make them aware of the facts and responsibilities of society. Action 3: To enhance professional engineering practices students are motivated to take part in Professional society's chapters activities.			
PO 7 : Environment and Sustainability			
PO 7	2.1	1.92	Target level need to be achieved. To improve the attainment Best practices like Unnat Bharat Abhiyan, Jal Shakthi is used for intra and inter department communication and Efforts are put to make students aware About Environment and Sustainability
Action 1: Department wise sustainable development and professional engineering solutions had been conducted to improve the competitive skills, research advancements and group discussion, Mock Interview paper contests, Design contests, Project Exhibitions etc ., are being conducted both intra and inter department. Action 2: Villages are sustained to adopt necessity of particular areas by our students of Unnat Bharat Abhiyan. Action 3: Students will be encouraged to do their project work which will be beneficial for society and also helpful in environmental context. Action 4: Students are encouraged to develop mini project to address social issues.			
PO 8 : Ethics			

PO 8	2.1	1.80	Target level need to be achieved, To imbibe professional ethics and responsibilities among students, larger number of activities needs to be carried out.

Action 1: Students are strictly instructed to switch off all electrical Equipment /Resources when not in use for all the laboratories Action 2: Students are made aware of concepts like Intellectual property rights and plagiarism Action 3 : The ethics are largely taken care at all course delivery particularly in report writings.

PO 9 : Individual and Team Work

PO 9	2.1	1.91	Target level need to be achieved , The courses which need attention are Software Engineering and Students lack the communication and interpersonal skills

Action 1: In the course software Engineering Team work are permitted for the students to participate in peer review presentation and Role play Action 2: To meet / strengthen this outcome beyond curriculum activities certain activities like Inter Collegiate Project Expo, various clubs and sports activities in other colleges. Action 3: Students will be encouraged to participate in events like seminar, workshop, projects, hands-on training etc. organized by Professional body activities to improve their interpersonal skills.

PO 10 : Communication

PO 10	2.1	1.90	Target level need to be achieved, It is observed that there is scope of improvement in design, documentation and presentation. And also improve the Soft skills training was imparted to the students for improving the attainment.

Action 1: The students are encouraged to participate in competitive events like essay writing, debate events etc. Action 2: Soft skill training is planned in order to improve student's communication capability. Action 3: Mock interviews are planned for Final year students Action 4: Conducting Group Discussions, Mock Interviews have been conducted to improve the communication skills of students.

PO 11 : Project Management and Finance

PO 11	2.1	2.00	The target level need to be achieved. More focus needs to be given on Engineering Economics and financial analysis. And the course need attentions are Software project management and principles of management are need to improve the engineering and management principles in multi disciplinary environments.

Action 1: In the course Software Project Management and Principles of Management the guest lecture used to manage projects and in multidisciplinary environments. Action 2 : Students are encouraged to develop project in a team to enhance their project management skills Action 3 : Students are encouraged to participate in technical competitions to improve project management skills. Action 4 : Students are motivated to participate in various technical events like hackathon, Paper/Poster presentation, project competition etc.

PO 12 : Life-long Learning

PO 12	2.1	1.76	Target level need to be achieved More focus needs to be given on importance of independent and life-long learning. Students face challenges in identifying real life problem.

Action 1: Emphasis will be given on exploring various e-learning platforms. Action 2: Students are motivated to enrich the knowledge of project and mini projects with recent trends. Action 3: Awareness on latest technologies and trends will be created through expert lectures, workshops and Industrial visits. Action 4: Students are encouraged to enroll for training / certification courses. Action 5 : For conduction of practical use of virtual labs to be increased so that students will be able to explore extra practical related to their course on their own

PSOs Attainment Levels and Actions for Improvement- (2022-23)

PSOs	Target Level	Attainment Level	Observations

PSO 1 : To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.

PSO 1	2.1	1.62	Target level need to be achieved need attention on Students did not get much opportunity to practically design for actual/industrial project

Action 1: Students are given challenging assignments, assignments with open ended problems, mini projects. Action 2: Students are encouraged to participate in events like project competition, Hackathon.

PSO 2 : To apply software engineering principles and practices for developing quality software for scientific and business applications.

PSO 2	2.1	1.48	Target level need to be achieved Students are facing challenges in working with multidisciplinary environment.

Action 1. Professional body activities. Action2: Students are motivated to participate in various online certification courses.

PSO 3 : To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

PSO 3	2.1	1.38	Target level need to be achieved More activities need to be planned to motivate and create interest among students about entrepreneurship and higher studies.

Action 1: Session is planned to create awareness about higher education opportunities . Action 2: To develop entrepreneurship skills, expert lecture is planned. Action 3: Mock interview sessions are planned for Final year students.

- The Academic audits are conducted once in a semester or twice in a year. Audits are conducted for faculty teaching process, Laboratories, and departmental activities.
- For each course, before the commencement of classes, the faculty members who handle the course prepare the following: Vision, Mission of the Institute and Department, Lesson/ Lecture Plan, PEOs, POs and PSOs, Course Outcomes (COs), Mapping of COs with POs/PSOs, Previous year university question papers, Lecture notes for all five units (hand written/PDF/PPT/E-Notes) and Content Beyond Syllabus (CBS). The prepared course material is verified meticulously by the coordinator.
- The material is further reviewed and approved by HoD. Documents pertaining of various parameters as mentioned in the below table are verified during the internal academic audits
- Various Committee of the department followed by HoD, Senior faculties and Faculties
  - Class committee
  - Discipline committee
  - Monitoring committee
  - Internal/ External Events organizing committee
    - Curricular
    - Extra curricular

Quality Objectives: 2022-23

<div align="center">Table.No:7.2.(1) Audit Report Objective</div>

Key Focus Area / Source	Measure	2022-2023 (Target Status)
Students Skills Development	75% of students are participated on Seminar /Workshop / Symposium to improve their knowledge	Yes, Achieved
Faculty Skills Development	70% of faculty are focused on FDP/ Seminar/ workshop/ Conference to improve their skills	Yes, Achieved
Internship and Training	75 % of students are imparted to implant and industrial visit training	Yes, Achieved
Communication	Role Play, Group Discussion and 5 Min Seminar implemented to improve the students communication Skills	Yes, Achieved

Internal Academic and Administrative Audit Process
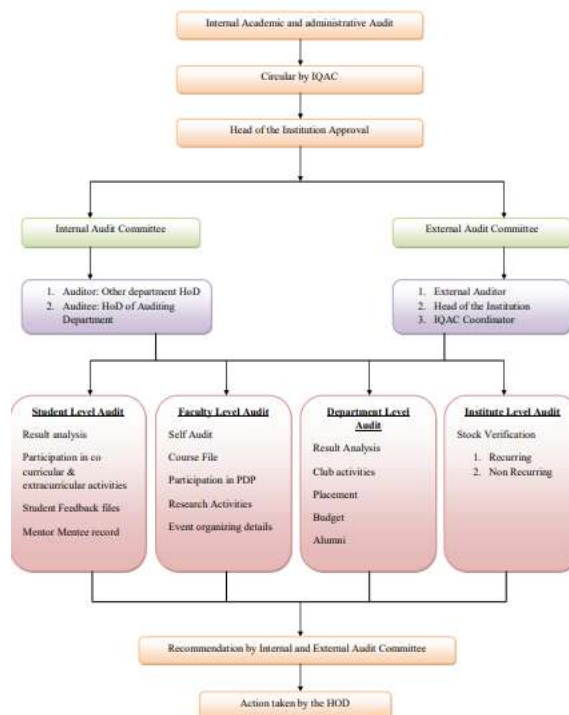
Fig.No:7.2.(2) Internal Academic and Administrative Audit Process flow

Ref: PSVCET/IQAC/IAAA/CSE/01/2022-23

Internal Academic & Administrative Audit Report

AY 2022-23 (ODD SEMESTER)

DEPARTMENT: CSE   **AUDIT DATE:** 21.11.2022

Academic In-charge	Prof. B.Sakthivel					
Name of the Auditors	1. Prof. J. Ramya		2. Prof. C. Pavithra			
Courses offered	UG-	CSE	PG- NIL			
Approved In-take	UG-	60	PG: NIL			
Approved Staff-Student Ratio	UG-	20:1	PG- NIL			
Staff Strength	Teaching:13			Technical Staff: 4		
Student Strength	I	II	III	IV	PG-I	PG-II
In numbers	-	64	57	54	NIL	NIL
Total Students Strength	175					

Internal AAA visit of Dept. of CSE on 21.11.2022 for the AY 2022-23 (ODD Sem)

Quality Objectives: 2022-2023

S. No	Particular	HODs Response and Objective Evidence	Auditor Remarks
1	Department Objectives	Available PSVCET/HOD-DO/01	Disseminated in Dept. and Labs
2	Control of files, Registers and documents	No of Files: 25 No .of Registers: 3	Files are maintained in proper manner.
3	Implementation of academic calendar	Available	Deviation found. Need more focus in gaps.
4	Procedure followed in the allotment of subjects to faculty	Based on the preference given by the staffs and specialization.	Allotments based on specialization and experience. Documents are verified.
5	Allotment of additional responsibilities	Different additional responsibilities have been allocated	Allotted based on Experience
6	Innovative processes adopted in Teaching and Learning	ICT tools, Google class room, Role play, Brainstorming, video lecturing, seminar.	The Dept. followed Innovation processes in Teaching and Learning.
7	Course file maintaining and updating	Available	Need some improvements
8	Dissemination of PEOs, PSO, POs, COs	At Department, website and notice board	The Dept. disseminated PEOs, PSO, POs, COs
9	Mentoring System	Maintained	Mentors are asked to counsel their mentees regards what they are willing to improve like in sports, teaching, etc.

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			behalf of that action has taken.
10	Adequate facilities for teaching - Learning, viz. Classrooms, laboratories, computing equipment, etc.	Class Rooms: 3 Labs: 5 Total No. of Computers: 150 Clients and 2 Servers. Printers:03	Class room ambiance and facilities are maintained
11	Teachers attending professional development programs	Total no. of FDPs attended by the faculties: 25 Nos.	70% of faculties are focused on FDP/ Seminar/ workshop/ Conference to improve their skills and newly joined faculties are motivated to participate in FDP. It Shows continuous improvement on faculties
12	Organization of Guest Lectures, Industrial Visits, Workshops, etc.	Organized Guest Lecture, Workshop:09	50 % of events from the Dept. has organized Guest Lectures, Industrial Visits, Workshops in effective manner.
13	Online certification Programs	--	Encourage the faculties to attend the NPTEL Certification courses
14	Teachers recognized as research guides	--	Faculties are instructed to publish the research papers in journals and motivated to register Ph.D
15	No. of Faculty participated in conferences and symposium	06	60% of our Dept.

			faculties participated in International Conference and published in proceedings
16	Linkages with institutions/ industries for internship, on the-job training, project work, sharing of research facilities etc.	Yes	Good, Encourage some students do their project work in industries.
17	Student professional Society Chapter and Association Activities	Programs organized with the professional development ICT, ISTE and CSI	The curricular events like symposium, workshop, seminar etc. are conducted with the professional bodies ISTE,CSI and ICT.
18	No. of Students undertaking field projects / internships	147	The Dept. permitted the students to undergo internships
19	Per day usage of library by teachers and students	Teachers-65% Students-55%	Good, Need some improvements in the usage of e-resources
20	Pass percentage of outgoing students	UG-85%	The Dept. maintained the Result Analysis
21	Year wise promotion % of students	II Year - 100% III Year - 100% IV Year - 100%	Good
22	Awards / Medals for outstanding performance in sports, Yoga I Cultural activities/competitions	Few students participated and got awards in Extra Curricular activities	Encourage more number of students to participate in other activities
23	Number of placements of outgoing students	26	79 % of students got placed in the companies and the offer letters are available in the

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			placement record file.
24	Alumni Interaction	Alumni attended the alumni meet	Alumni interaction is conducted regularly.
25	Number of students participating in extension activities	87	Students are advised to join in various committees
26	Established systems and procedures for maintaining and utilizing physical - laboratory, classrooms etc.	Maintained Properly	The system maintain for classrooms labs are effectively followed.
27	Industry collaboration	No of MoU's signed:3	75% of Students are motivated to go for internship/In plant training, workshop to improve their career skill.

Comments:

Opportunities for Improvement: The Faculty members to be motivated in Research work and Paper Publications

HOD

(Prof.B.Sakthivel)

Auditor – 1

(Prof.I.Ramya)

Auditor – 2

(Prof.C.Pavithra)

IQAC Coordinator

Principal

Fig. No. 7.2.(3):Academic Audit in the academic year 2022-2023

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10)   Total Marks 10.00

Placement Process and support

Table.No:7.3.(1)Placement Process and support

CAYm1(2020-2021)

S.No	Name of the Programme	Year/ Sem	Nature of Training	Organized by
1	MOCK Test	III & IV	Aptitude/Verbal Test	AJ Tech Research Lab
2	Employability skill development	II, III & IV	Advance AI& ML technology	AJ Tech Research Lab
3	Advance Aptitude and Technical skills	III & IV	Aptitude, verbal and coding.	IAS Academy
4	Interview skills	III,IV	Soft skills training	IAS Academy
5	Soft skills	IV / VIII	Group Discussion, Self Introduction Practice Face To Face Interview And Role Play.	VEI Technologies PVT LTD
6	Verbal skills	IV / VIII	Basic grammar and vocabulary	VEI Technologies PVT LTD
7	React Js	IV / VIII	Code developing	Thagadur Careers services(OPC) PVT LTD
8	Role of web developer	III / VI	Web designing	Face Academy

CAYm1(2021-2022)

S.No	Name of the Programme	Year/ Sem	Nature of Training	Organized by
1	Employability skill development	IV VIII	Full stack development	Face Academy
2	Verbal Training	II,III	Basic Grammar and vocabulary.	AJ Tech Research Lab
3	Soft skills	IV / VIII	Decision making and Analytical thinking	IAS Academy
5	Soft skills and aptitude	IV / VIII	Group discussion, self introduction practice face to face interview and role play.	Thagadur Careers services (OPC) PVT LTD
6	Verbal and non verbal skills	IV / VIII	Aptitude/Verbal Test and non verbal Test	VEI Technologies PVT LTD
7	Company oriented Training	II,III &IV	Aptitude / Verbal test	AJ Tech Research Lab

CAYm1 (2022-2023)

S.No	Name of the Programme	Year/Sem	Nature of Training	Organized by
1	MOCK Test	III & IV	Aptitude/Verbal Test	AJ Tech Research Lab
2	Employability skill development	II, III & IV	Advantage of VR	AJ Tech Research Lab
3	Advance Aptitude and Technical skills	III & IV	Aptitude, verbal, coding.	IAS Academy
4	Interview skills	IV / VIII	Soft skills training	IAS Academy
5	Soft skills	IV / VIII	Group discussion, self introduction practice face to face interview and role play.	VEI Technologies PVT LTD
6	Verbal skills	IV / VIII	Basic grammar and vocabulary	VEI Technologies PVT LTD
7	Company oriented Training	IV / VIII	Aptitude/Verbal test/soft skills training	Thagadur Careers services(OPC) PVT LTD

- **Highest packages – Rs.3,60,000**
- **Lowest packages – Rs.1,50,000**
- **Medium packages – Rs.2,44,000**

We are providing the placement packages very consistency of last three years. Hence, the average package was Rs.2,44,000 for all the three year.

We given good placement and internship for all the three years and more than 6 firms with MOU, it has helping for improving in placement.

Placement Details

Table.No:7.3.(2).Placement Details of assessment years

Academic Year	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Total No. of Final Year Students	53	33	47
Total No. of students completed program with in the stipulated period	40	28	47
Total No. of students placed	40	26	35
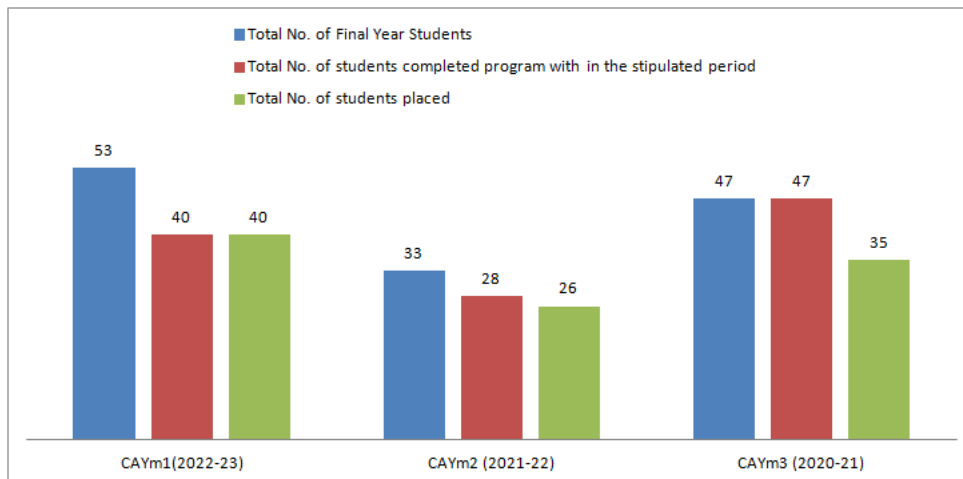
Fig.No:7.3.(1)Placement Details

Higher Studies

Performance in GATE, TANCET, CAT etc., and admission in premier Institutions

Table.No:7.3.(3).Higher Studies Details

Academic Year	Name of the Course	No of Students				Name of Institutions
		GRE	CAT/ GMAT	GATE/ TANCET	Premier Institution	
2023-24	PG (MBA)	-	-	-	2	1.PSV College of Engineering and Technology 2.AVS Engineering College
2022-23	PG (MBA)	-	-	-	1	1. PSV College of Engineering and Technology

List of Entrepreneurs

Table.No:7.3.(4).Entrepreneurs list

Item	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
No. of students turned Entrepreneur in Engineering/Technology	2	01	1
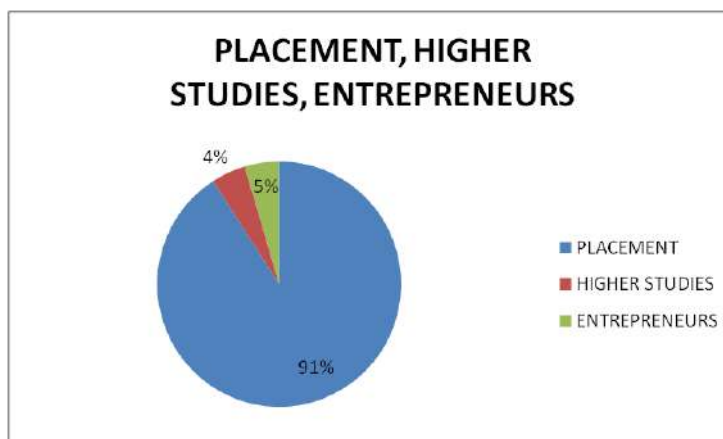
7.4 Improvement in the quality of students admitted to the program (10)

Total Marks 10.00

Institute Marks : 10.00

Item		2023-24	2022-23	2021-22
National Level Entrance Examination	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	No of students admitted	60	63	52
	Opening Score/Rank	88	94	73
	Closing Score/Rank	43	57	40
Name of the Entrance Examination for Lateral Entry or lateral entry details	No of students admitted	3	8	1
	Opening Score/Rank	86	89	85
	Closing Score/Rank	73	72	85
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		63	74	0

8 FIRST YEAR ACADEMICS (50)

Total Marks 42.51

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

Total Ma

Institute Mark

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 Current Association is 'No'
							CAY	CAYm1	CAYm2			
A.LEO MICHAI	AFBPL1024M	M.Phil	01/06/2011	CHEMISTRY	Assistant Professor	21/09/2023	50	0	0	Yes	Regular	
SAKTHI.L	BLHPL9867R	M.Phil	20/03/2018	PHYSICS	Assistant Professor	01/08/2018	100	100	100	Yes	Regular	
PREETHI.G	EWKPP5650P	M.Phil	20/03/2018	PHYSICS	Assistant Professor	01/08/2018	100	100	100	Yes	Regular	
C.LEENA ROS	AIRPL7736K	M.Phil	04/07/2009	ENGLISH	Assistant Professor	12/01/2011	100	100	100	Yes	Regular	
A.ROZARIO	AOSPR0411A	M.Phil	06/12/2021	ENGLISH	Assistant Professor	01/08/2018	100	100	100	Yes	Regular	
D.REVATHY	CALPR0074G	M.Phil	06/12/2021	ENGLISH	Assistant Professor	01/08/2018	100	100	100	Yes	Regular	
S.KALIYAPPAN	EBMPK1945K	M.Phil	01/08/2020	ENGLISH	Assistant Professor	03/04/2023	100	0	0	Yes	Regular	
D.PUSHPARA.	CCGPP5477G	M.Phil	16/04/2014	MATHEMATICS	Assistant Professor	03/07/2017	50	50	50	Yes	Regular	
D. KRISHNAVE	CDGPK2193B	M.Phil	26/09/2011	MATHEMATICS	Assistant Professor	03/07/2017	50	50	50	Yes	Regular	
T.LEEMA ROS	AYXPL6547J	M.Phil	20/03/2018	MATHEMATICS	Assistant Professor	01/08/2018	100	50	50	Yes	Regular	
S.VASUKI	BSKPV0536K	M.Phil	20/03/2018	TAMIL	Assistant Professor	15/06/2023	100	0	0	Yes	Regular	
R.PRIYA	DANPP0944J	M.Phil	07/02/2016	ENGLISH	Assistant Professor	11/08/2016	0	0	100	No	Regular	24/05
C.SURESH	DFZPS4881A	M.E/M.Tech	30/06/2009	CSE	Assistant Professor	16/09/2023	50	0	0	Yes	Regular	
L.VISHNU PRI	ASQPL4481L	M.E/M.Tech	30/06/2016	CSE	Assistant Professor	14/09/2023	50	0	0	Yes	Regular	
M.DEEPA	BPKPD3165H	M.E/M.Tech	30/06/2007	ECE	Assistant Professor	25/06/2012	50	50	0	Yes	Regular	
R.VASANTHAI	AYLPV5860C	M.E/M.Tech	30/06/2021	Power Systems Engineering	Assistant Professor	05/08/2022	50	0	0	Yes	Regular	
Dr.L.P.VETTRI	AJLPV7917R	ME/M. Tech and PhD	30/07/2020	Power Systems Engineering	Associate Professor	01/07/2013	50	50	50	Yes	Regular	
K.GOPINATH	BRQPG9260C	M.E/M.Tech	30/06/2014	Power Electronics and Drives	Assistant Professor	29/12/2014	50	50	0	Yes	Regular	
A.JOTHI	PRXPA4331B	M.E/M.Tech	30/06/2015	ECE	Assistant Professor	04/04/2022	0	50	0	Yes	Regular	
M.VINODHKUI	BAVPV6378N	M.E/M.Tech	30/06/2021	ECE	Assistant Professor	01/08/2022	0	50	0	Yes	Regular	
S. PHILIPS	GARPP7141E	M.E/M.Tech	30/05/2020	MECH	Assistant Professor	30/11/2020	0	50	0	Yes	Regular	
Dr.C.BHUVANE	BKIPB3130R	ME/M. Tech and PhD	31/12/2020	Power Systems Engineering	Associate Professor	02/09/2021	0	50	0	Yes	Regular	
G. KALAIMAG/	EAVPK2328L	M.E/M.Tech	30/06/2018	COMPUTER SCIENCE AND ENGINEERING	Assistant Professor	28/03/2022	0	50	0	No	Regular	13/07
R.ELAVARASI	ABMPE4815A	M.E/M.Tech	31/05/2016	ECE	Assistant Professor	08/06/2016	0	0	50	No	Regular	30/07
N.NANDHINI	BEBPN4194Q	M.E/M.Tech	30/06/2015	IT	Assistant Professor	25/10/2021	0	0	50	Yes	Regular	
M.MADHUVAN	IDOPM3752A	M.E/M.Tech	06/09/2022	IT	Assistant Professor	13/09/2023	50	0	0	Yes	Regular	

Name	PAN	Qualification	Date	Department	Designation	Joining Date				Approved	Nature	
Dr.B.ANDREW	AVHPA1371N	M.Sc. and PhD	15/02/2016	Chemistry	Professor	18/08/2022	50	50	0	Yes	Regular	
Dr. S.MOORTH	CMMPM6811P	M.SC. (Mathematics) and PhD	08/03/2020	Mathematics	Assistant Professor	19/08/2021	0	50	50	No	Regular	16/05
Dr.S.PRABU	BQQPP7092C	M.Sc. and PhD	07/02/2017	SUPRA MOLECULAR CHEMISTRY	Associate Professor	08/01/2021	100	100	100	Yes	Regular	
Dr.A.P.ANGELI	BLAPA1118F	M.Sc. and PhD	09/05/2022	NANO CHEMISTRY	Assistant Professor	01/06/2009	100	100	100	Yes	Regular	
Dr.P.ANITHA	AEZPA0457Q	M.Sc. and PhD	04/11/2011	MOLECULAR BIOLOGY AND BIO CHEMISTRY	Associate Professor	14/07/2014	100	100	100	Yes	Regular	
D. BHAVANI	CETPB4188P	M.Phil	29/12/2008	Mathematics	Assistant Professor	10/07/2013	100	100	100	Yes	Regular	
D.SATHEESH	DFMPS2893F	M.Phil	29/12/2008	Mathematics	Assistant Professor	07/08/2019	100	100	100	Yes	Regular	
S.ASHOK CHA	AVRPA4375L	M.Phil	29/11/2008	PHYSICS	Assistant Professor	02/07/2008	100	100	100	Yes	Regular	
R.KARTHICK	FPCPK4532R	M.Phil	20/03/2018	MATHEMATICS	Assistant Professor	19/08/2021	50	50	50	Yes	Regular	
M.PERIYANNA	DMDPP4003E	M.Phil	04/02/2018	CHEMISTRY	Assistant Professor	02/01/2019	0	0	50	No	Regular	11/05
C.VIJAY	ASXPV7110R	M.Phil	16/09/2015	CHEMISTRY	Assistant Professor	02/07/2012	0	50	50	No	Regular	17/05
Dr.R.GOPALAI	AUEPG4183E	M.Sc. and PhD	03/04/2015	PHYSICS	Associate Professor	20/08/2020	0	100	100	No	Regular	30/10
RAMAN .G	BIUPR5179J	M.Phil	02/02/2017	PHYSICS	Assistant Professor	01/08/2018	0	50	50	No	Regular	26/05
F.ANTONY RA	ARDPA1225F	M.Phil	20/03/2016	MATHEMATICS	Assistant Professor	08/07/2016	0	50	50	No	Regular	19/05
K.MOHAN	DMNPM7042G	M.Phil	16/09/2015	MATHEMATICS	Assistant Professor	05/07/2017	0	50	100	No	Regular	29/05
S.MOHANRAJ	CPKPM4107F	M.Phil	04/03/2011	MATHEMATICS	Assistant Professor	03/07/2017	0	50	50	No	Regular	01/06
S.VIMALAN	ATNPV9171H	M.E/M.Tech	12/12/2022	STRUCTURAL ENGINEERING	Assistant Professor	03/01/2023	25	0	0	Yes	Regular	
D.R.PALANIVE	CEWPP1575F	M.E/M.Tech	31/05/2016	COMPUTER AIDED DESIGN	Assistant Professor	02/07/2018	25	0	50	Yes	Regular	
N.SURESH	CGXPS4329D	M.E/M.Tech	31/05/2007	MECHANICAL	Assistant Professor	19/06/2013	25	0	0	Yes	Regular	
N.VIJAYALAKS	CPHPN9525B	M.E/M.Tech	30/06/2015	CSE	Assistant Professor	13/09/2023	75	0	0	Yes	Regular	
S.SHANMUGA	BURPS2037M	M.E/M.Tech	30/06/2007	ECE	Assistant Professor	19/06/2013	50	25	0	Yes	Regular	
P.CHENG	BRSPC2146K	M.E/M.Tech	30/05/2020	Engineering Design	Assistant Professor	23/12/2022	0	25	0	No	Regular	29/07
D.GANDHIMAT	BLHPG9689N	M.E/M.Tech	30/04/2019	CSE	Assistant Professor	03/01/2020	0	100	0	Yes	Regular	
B.SONEY	GLCPS6618M	M.E/M.Tech	31/07/2021	Structural Engineering	Assistant Professor	05/01/2022	0	25	0	No	Regular	27/05
M.RAMYA	COCPR5883L	M.E/M.Tech	30/06/2014	CSE	Assistant Professor	24/02/2021	0	100	0	No	Regular	29/09
G.Sathyavani	FVSPS5669M	M.E/M.Tech	30/06/2014	ECE	Assistant Professor	17/06/2019	0	100	0	No	Regular	30/07
R.PRIYA	CRGPP6323L	M.Phil	20/03/2018	PHYSICS	Assistant Professor	16/09/2023	100	0	0	Yes	Regular	
Dr.R.THIRUNA	BCAPT2518P	ME/M. Tech and PhD	13/06/2022	THERMAL ENGINEERING	Assistant Professor	01/08/2022	50	50	0	Yes	Regular	

Dr S CHANDR.	ANIPC7044B	ME/M. Tech and PhD	15/12/2018	CSE	Professor	17/06/2013	0	0	50	Yes	Regular
M ANNADURA	DOPPA4345E	M.E/M.Tech	31/08/2023	CSE	Assistant Professor	11/09/2023	75	0	0	Yes	Regular
R MONISHA	DTMPM0649M	M.E/M.Tech	30/04/2020	CSE	Assistant Professor	10/08/2022	0	100	0	Yes	Regular
Dr.C.K.GOVINI	CLLPG9167J	M.A and Ph.D	11/02/2019	TAMIL	Associate Professor	02/08/2023	100	0	0	Yes	Regular
Dr.B.GOKULA	ARYPG5719P	ME/M. Tech and PhD	30/04/2019	Power Systems Engineering	Associate Professor	05/07/2019	50	50	50	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)
2021-22(CAYm2)	360	22	16	5.00
2022-23(CAYm1)	480	28	17	5.00
2023-24(CAY)	480	26	18	5.00
Average	0	0	0	0

8.2 Qualification of Faculty Teaching First Year Common Courses (5) Total Marks 3.00

Institute Marks : 3.00

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]
2021-22	4	16	18	3.00
2022-23	6	18	24	3.00
2023-24	6	19	24	3.00

Average Assessment: 3.00

8.3 First Year Academic Performance (10) Total Marks 4.51

Institute Marks : 4.51

Academic Performance	2023-24	2022-23	2021-22
Mean of CGPA or mean percentage of all successful students(X)	8.21	7.81	8.49
Total Number of successful students(Y)	22.00	19.00	50.00
Total Number of students appeared in the examination(Z)	60.00	63.00	52.00
API [X*(Y/Z)]	3.01	2.36	8.16

Average API[(AP1+AP2+AP3)/3] : 4.51

Assessment [1.5 * Average API] : 4.51

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

A. List of assessment processes:

In Outcome Based Education (OBE), (what is OBE) assessment is done through the following processes that identify, collect, and prepare data to evaluate the attainment of course outcomes. Assessment tools are categorized into two methods to assess the course outcomes direct methods and indirect methods.

Method1– Direct Assessment

- The respective faculty needs to prepare the question papers to cover as much as possible of the course outcomes identified for the respective courses, in all the internal assessment Tests.

- The marks obtained in internal Assessment tests and university End Semester examinations, by the students are stratified into various bands which are determined by the IQAC.

- Three different scores are attributed to different levels of overall performance,1 is considered as low, 2 is considered as medium and 3 is considered as substantial.

- The percentage of students obtaining the mark set as the threshold is considered for computing the CO attainment.

- In Direct Method weight age is given for internal Assessment Test- 20% and End Semester Examination - 80%.

- Considering all the two factors the final attainment is arrived for every individual course.

- The average of aggregate scores of all the courses is considered for the attainment of COs

Method 2- Indirect Assessment

This is done by conducting a course-end survey for every course conducted under the program. All students are administered with a questionnaire.

- The Questionnaire contains all the COs of the individual course.

- Each student will place the values from 1 to 3 (Low, Medium, and Substantial) for each CO based on their attainment of a particular CO.

- The ratings given by them are aggregated and overall percentage of ratings is computed

B. The relevance of assessment tools used

Table 8.4.1. (1) Direct Assessment and Indirect Method for the CO attainment

S.No.	Assessment Tools	Method Description
	Direct Assessment Method 80%	
1	Internal Assessment Test - 20%	Three internal assessment tests are conducted for continuous assessment of the student performance. An improvement test may be conducted for the desired students after Internal Assessment Test to give an opportunity to such students to improve their Internal Assessment Marks.
2	Internal Lab Assessment – 20%	The mark for the Lab experiments is awarded after the completion of each experiment including the viva.
3	University Examinations – 80%	Anna University examinations are conducted at the end of each semester.
	Indirect Assessment Method 20%	
4	Course End Survey – 20%	Survey conducted for the students based on the attainment of Course Outcomes for individual courses.

8.4.1. (2) The quality/relevance of assessment processes and tools used

Evaluation Process for the Regulations:R-2017,considering Internal Assessment Test and End Semester Examinations is given in table 8.4.1.(a) and 8.4.1.(b)

Assessment tools/Components	Max. Marks	Assessment Weight age	Remarks
Internal Assessment Examination–I	100	20	Internal Assessment Exams are conducted for one and half hours as per Anna university schedule and a course end survey taken at the end of the course
Internal Assessment Examination–II	100		
Internal Assessment Examination–III	100		
Course end survey	100		
Anna University Examination	100	80	University examination is conducted by Anna Universityfor3hours
Result Published	100	100	Combined marks of Internal and University Marks.

Table 8.4.1 (3) Assessment Tools: Practical Courses

Assessment tools/ Components	Max. Marks	Assessment Weightage	Remarks
Completion of all the experiments within the stipulated time period	75	20	The laboratory records and observation are maintained by the students
Model Practical Examination	25		One model exam is conducted at the End of the semester
Course end survey	100		Course end survey taken at the end of the course
Anna University Practical Examination	100	80	University examination is conducted By Anna university
Result Published	100	100	Combined marks of Internal and University Marks.
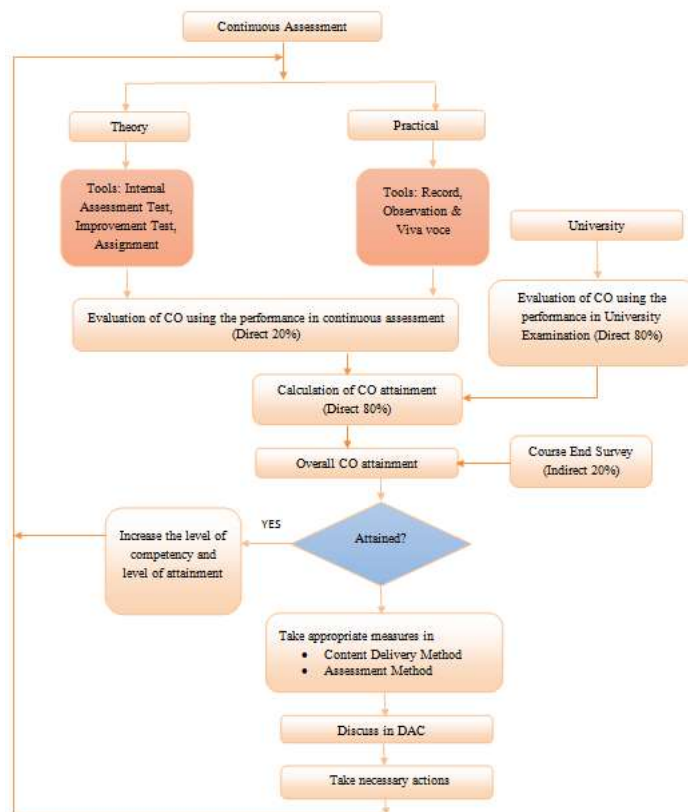
Figure No. 8.4.1 (1): Process of CO attainment

Table 8.4.1.(4) Evidence of Coverage

IAT	CO 1	CO 2	CO3	CO 4	CO 5
IAT 1	PART A 1,2,3,4,5 PART B 11,12	PART A 6,7,8,9,10 Part B 13			
Marks	30 Marks	20 Marks			
IAT 2		Part B 11	Part A 1,2,3,4,5,6,7,8,9,10 Part B 12, 13		
Marks		10 Marks	40 Marks		
IAT 3				Part A 1,2,3 Part B 11,12	Part A 4,5,6,7,8,9,10 Part B 13
Marks				26 Marks	24 Marks
Grand Total	30 Marks	30 Marks	40 Marks	26 Marks	24 Marks

8.4.2 Record the attainment of Course Outcomes of all first year courses (5)

Institute Marks : 5.00

The attainment of Course Outcomes (COs) is evaluated for the batch **2019-2023** by considering the Internal Assessment Tests, Anna University End Semester Examination Marks, and Course End Survey. The different target levels are defined as follows:

INTERNAL ASSESSMENT TEST:

- **Attainment level 1:** <60% of students scoring more than 50% of marks in the internal assessment examination

- **Attainment level 2:** >=60% of students scoring more than 50% of marks in the internal assessment examination

- **Attainment level 3:** >=70% of students scoring more than 50% of marks in the internal assessment examination

UNIVERSITY EXAMINATION:

- **Attainment level 1:** <60% of students scoring more than 50% of marks in the University examination

- **Attainment level 2:** >=60% of students scoring more than 50% of marks in the University examination

- **Attainment level 3:** >=70% of students scoring more than 50% of marks in the University examination

Table No. 8.4.2(1): List of First year Course

COURSE CODE	SUBJECT CODE	COURSE NAME
C101	HS8151	Communicative English
C102	MA8151	Engineering Mathematics-1
C103	PH8151	Engineering Physics
C104	CY8151	Engineering Chemistry
C105	GE8151	Problem solving and python programming
C106	GE8152	Engineering Graphics
C107	GE8161	Problem solving and python programming Laboratory
C108	BS8161	Physics and chemistry Laboratory
C109	HS8251	Technical English
C110	MA8251	Engineering Mathematics-II
C111	PH8252	Physics for Information Science
C112	BE8255	Basic Electrical, Electronics and Measurement Engineering
C113	GE8291	Environmental Science and Engineering
C114	CS8251	Programming in C
C115	GE8261	Engineering Practices Laboratory
C116	CS8261	C Programming Laboratory

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

Total Marks 20.00

8.5.1 Indicate results of evaluation of ezch relevant PO and/ or PSO, if applicable (15)

Institute Marks : 15.00

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	PO1	PO2	PO3	PO4	PO5	1.93	1.93	2.50	2.70	2.89	1.69	1.69
C102	1.96	1.70	1.70	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C103	2.15	2.01	2.01	1.00	PO5	PO6	1	PO8	PO9	PO10	0.86	1.08
C104	2.48	1.66	1.66	1.38	PO5	PO6	1.99	PO8	PO9	PO10	1.45	0.99
C105	1.97	1.84	1.84	1.32	1.15	PO6	PO7	PO8	PO9	PO10	0.82	1.15
C106	2.55	2.21	1.49	PO4	1.06	1.49	PO7	1.13	1.49	1.06	PO11	1.53
C107	2.84	2.27	2.46	1.58	2.27	0.95	PO7	0.95	1.89	0.95	1.42	1.51
C108	2.90	2.90	1.93	1.21	1.60	PO6	PO7	1.69	1.69	1.21	1.45	1.93
C109	PO1	PO2	PO3	PO4	1.18	1.89	1.89	1.51	2.36	2.12	1.89	1.89
C110	2.83	2.46	2.46	1.18	1.89	PO6	PO7	PO8	1.89	PO10	1.89	1.89
C111	2.45	2.64	1.32	PO4	PO5	PO6	1.89	PO8	PO9	PO10	PO11	2.12
C112	2.64	1.89	2.45	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C113	2.46	2.46	1.89	PO4	1.89	1.65	2.36	2.46	PO9	PO10	PO11	1.70
C114	2.45	2.45	2.45	PO4	1.89	PO6	PO7	1.51	2.12	1.70	PO11	1.89
C115	2.83	2.83	0.94	1.70	1.51	1.51	PO7	1.26	1.26	2.20	1.42	2.27
C116	2.83	2.64	2.46	PO4	2.46	PO6	PO7	1.65	1.89	2.36	PO11	1.70

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.52	2.28	1.93	1.34	1.69	1.57	1.84	1.63	1.92	1.81	1.43	1.67
CO Attainment	2.52	2.28	1.93	1.34	1.69	1.57	1.84	1.63	1.92	1.81	1.43	1.67

PSOs Attainment:

Course	PSO1	PSO2	PSO3
C101	PSO1	0.96	PSO3
C102	PSO1	PSO2	PSO3
C103	0.72	PSO2	PSO3
C104	0.83	0.83	PSO3
C105	0.66	0.66	PSO3
C106	0.85	PSO2	PSO3
C107	0.95	0.95	PSO3
C108	0.97	0.97	PSO3
C109	PSO1	PSO2	PSO3
C110	PSO1	PSO2	PSO3
C111	1.89	PSO2	PSO3
C112	1.89	0.94	0.94
C113	2.84	0.95	PSO3
C114	1.89	0.94	PSO3
C115	2.83	2.83	0.94
C116	0.94	0.94	PSO3

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	1.44	1.10	0.94
CO Attainment	1.44	1.10	0.94

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- (2022-23)

POs	Target Level	Attainment Level	Observations

PO 1 : Engineering Knowledge

PO 1	1.8	2.53	Target Level has been achieved

Action 1: Mathematical analysis of engineering problems will be encouraged so that students can learn fundamental concepts and be able to apply them in problem solving Action 2: Faculty members will take tutorial classes and provide assignments to the students and also guide them to use online study material available.

PO 2 : Problem Analysis

PO 2	1.8	2.28	Target Level has been achieved

Action 1: Institute has initiated Program which provides a platform to work in individual as well as a group in the fields of Engineering. It helps the students to groom the skills like leadership or as being an effective team member. Action 2: Conduction of activities like quiz will help the students to improve their skill on analyzing.

PO 3 : Design/development of Solutions

PO 3	1.8	1.93	Target Level has been achieved

Action 1: The awareness is created among the student regarding the management principles and managing projects. The relevant courses are revised and upgraded regularly to cater to latest techniques and trends in the area. Action 2: Students will be encouraged to do internships to enhance the ability to identify and formulate complex engineering problems.

PO 4 : Conduct Investigations of Complex Problems

PO 4	1.8	1.34	Target Level need to be achieved

Action 1: Students were provided support to do investigation of complex problems through project-based learning in laboratory Action 2: Conducted Quiz to enhance the knowledge in the subjects

PO 5 : Modern Tool Usage

PO 5	1.8	1.70	Target Level need to be achieved

Action 1: Students are taught with modern modes and methods of teaching like using LCD Projectors and with interactive and digital boards and learning in smart class rooms equipped with real time lecture webcast/broadcast facilities. Action 2: Extra sessions are arranged to make students aware of latest tools, techniques and trends

PO 6 : The Engineer and Society

PO 6	1.8	1.57	Target Level need to be achieved

Action 1: Students are motivated to actively participate in different social activities like National Service Scheme camps and techno-social visits. Action 2: Encouraged students to take part in Swatch Bharat drives, Blood Donation Camps, Village visits, voluntary teaching and mentoring of downtrodden children. Action 3: Industrial visits are planned to make them aware of the facts and responsibilities of society.

PO 7 : Environment and Sustainability

PO 7	1.8	1.84	Target Level has been achieved

Action 1: Students are supported to work in laboratory beyond the regular planned class hours and it is monitored by the course instructor. Action 2: Seminar about the sustainable developments and climatic change etc, were organised for students

PO 8 : Ethics

PO 8	1.8	1.63	Target Level need to be achieved

Action 1: Induction program and Value-added courses are conducted that contributed to strong ethical culture for the overall development of the students. Action 2: Personality Development Classes in addition to prescribed University syllabus were provided to the students.

PO 9 : Individual and Team Work

PO 9	1.8	1.92	Target Level has been achieved

Action 1: Institute has initiated Program which provides a platform to work in individual as well as a group in the fields of Engineering. It helps the students to groom the skills like leadership or being an effective team member. There are a number of societies and clubs where the students learn to work both as individuals and in a team work environment. Action 2: The laboratory work of the students is conducted by framing student groups so that students learn to work in a team environment

PO 10 : Communication

PO 10	1.8	1.81	Target Level has been achieved

Action 1: English as a mode of communication during lecture delivery & discussions with students was encouraged. Action 2: Soft skills training is imparted to students to enhance various aspects of communication/technical talks by group discussions, presentations and new learning outcomes. Action 3: The students are encouraged to use all the four basic skills of English language to enhance their communication skills. Guidance is given by the staff members.

PO 11 : Project Management and Finance

PO 11	1.8	1.43	Target Level need to be achieved

Action 1: The internship training is imparted to students in collaboration with industry. Action 2: The awareness is created among the student regarding the management principles and managing projects.

PO 12 : Life-long Learning

PO 12	1.8	1.67	Target Level need to be achieved

Action 1:The students are taught the value and significance of a social, cultural, and hygienic Perspective in their future careers. Action 2: Existence of chapters of professional bodies/ societies and events under the banner of these societies gives students opportunity to have a lifelong learning. The students are encouraged to take membership of these societies.

PSOs Attainment Levels and Actions for Improvement- (2022-23)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.			
PSO 1	1.8	1.44	Target Level need to bet achieved
Action 1: Instill a passion for research in the students and motivate them to come up with effective solutions from the many lab experiments that are carried out Action 2: Encourage students to interpret the analytical data creatively to help them develop research papers that are worthy of their academic standing.			
PSO 2 : To apply software engineering principles and practices for developing quality software for scientific and business applications.			
PSO 2	1.8	1.10	Target Level need to bet achieved
Action 1: It is recommended that students utilize simulation software in order to comprehend problem modelling Action 2: To hold several engineering fairs and cultural activities as a way to honour the students			
PSO 3 : To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.			
PSO 3	1.8	0.94	Target Level need to bet achieved
Action 1: Use ICT technologies in the classroom and hold virtual classes Action 2: To deepen visualization skills with the use of images, models, and instruments			

9 STUDENT SUPPORT SYSTEMS (50)   Total Marks 50.00

9.1 Mentoring system to help at individual level (5)   Total Marks 5.00

To ensure the overall development of the students, P.S.V College of Engineering and Technology has established a comprehensive mentoring and support system, covering various aspects of student development like Professional guidance/career advancement/course work specific / laboratory specific/all-round development. In addition to their assigned regular responsibilities, the faculty members play the role of mentors. Every faculty member is assigned 20 students as mentees and maintains a Student Record with details like attendance, Personal information, past academic performance, and Achievement in academics and nonacademics.

Mentor mentee meeting helps to bridge the communication gap between an individual student and mentor by establishing a trust-worthy relationship. In this approach, mentees are highly focused by the mentors.

Purpose of Mentor-Mentee system:

1. Identifying the Core competency of the individual mentee which helps them to guide the students for their careers.

2. Motivating the students to improve their domain knowledge.

3. Encourage the students to update their knowledge from courses such as MOOCs.

4. Providing Career Guidance.

5. Creating awareness and motivating the students to participate in various competitive exams (GATE, JEE, TOFEL, UPSC, etc…)

6. Guiding and facilitating the slow learners.

7. Guiding the Advanced learners to participate in Innovation activities

8. Motivating the student participation in extracurricular activities.

9. Counseling the students, if needed.

The mentee Process comprises the following steps:

Step1: The Head of the Institution circulates a circular regarding mentor-mentee allocation to HODs

Step 2: Mentor-mentee allocation by HOD is carried out by 1:20 ratio.

Step 3: Collection of information about mentee and maintenance of Student history card by the mentor.

Step 4: Mentor-mentee meets as per the schedule.

Step 5: Communicating the progress to HoI through HoD, and Parents.

Step 6: Continuous monitoring and supporting the Mentees.

Impact: The Outcome of the Mentoring System

- Improvement of student Academic performance and attendance.

- Improvement in Academic Performance of Slow Learners.

- Guidance to the students for their Career Development.

- Advance learners are converting their projects into research papers and receiving grants from Government agencies.

- Increased student Participation in MOOC.

Figure No. 9.1 (1): Sample Student history card with counseling details

Figure No. 9.1 (2): Sample Mentor Mentee Record

9.2 Feedback analysis and reward /corrective measures taken, if any (10)   Total Marks 10.00

Feedback on teaching and learning is collected at the end of every semester from individual students for all the courses. Each department ensures 90-95% of student participation in teaching and learning feedback. Feedback on a faculty member is taken against the following parameter

1. Maintains Punctuality in coming to the Class.

2. Subject Knowledge and communication

3. Clarity in teaching and clearing doubts

4. Encourages me to think and explore new ideas

5. Usage of innovative teaching methods

6. Helping approach towards various academic interests of students

7. Interaction with the students by faculty

8. Completes syllabus of the course in time

9. Showing concern and care for the students

10. Teaching beyond the syllabus

The feedback about the faculty is also compared with the previous and succeeding semesters for information and to discuss if there are any issues to be addressed.

Figure No. 9.2: Sample Teaching and Learning Feedback Form on Faculty

Steps followed to collect teaching and learning feedback.

Step 1: Based on the IQAC feedback template students are suggested to provide feedback on a scale of 1-10 against each parameter.

Step 2: Feedback collection and analysis.

Step 3: Distribution of Feedback report to the individual faculty.

Step 3: Corrective action by HoD to the individual faculty.

System of Reward:

Based on the feedback rating and academic results faculty members are rewarded with a cash prize and appreciation certificate during Annual Day.

Corrective Actions:

Based on the feedback rating the faculty is advised to undergo the following corrective action,

1. Necessary advice by the HoD.

2. Peer Counseling

3. Suggestions of subject expert

4. FDP participation in relevant fields.

9.3 Feedback on facilities (5)   Total Marks 5.00

The feedback on facilities available in the Institution is collected from every student, every year, in the form of a Graduate exit survey and the analysis report is prepared. Based on the analysis report the requirement for improving the infrastructure facility will be submitted to the HOI by the HoD.

Feedback on facilities is taken in a scale of High, Medium and Low against the following parameters.

1. Satisfied with instructional infrastructure
2. Satisfied with library facility and adequate access hours.
3. Satisfied with e-library
4. Sports and other facility
5. Support for co-curricular activities and extracurricular activities
6. Canteen facility
7. Ambiance of the overall campus
8. Availability of medical facility
9. Availability of Hostel and Mess facility
10. Transport Facility
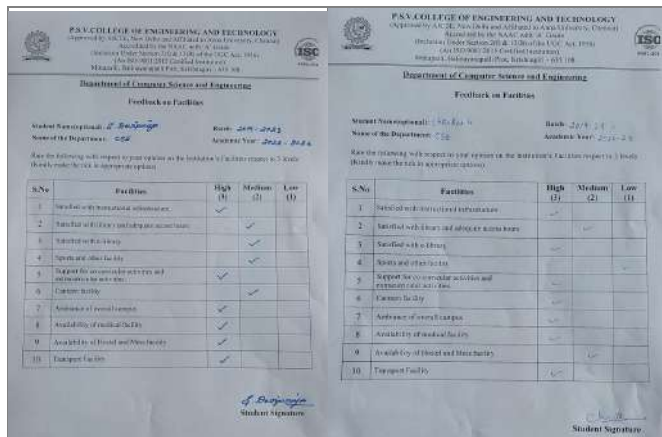
Figure No.9.3(1) Sample copy of Feedback on facilities by the students

Figure No.9.3(2) Department Feedback Analysis Report on facilities by the students

9.4 Self-Learning (5)   Total Marks 5.00

A. Scope for self-learning

Self learning helps the students to self explore and increase their competency in their relevant domain. The concept of self learning has been implemented through workshops, seminars, project based learning, online certifications, Value Added courses, Assignment, Case study, State Government Scheme (Nan Mudhalvan), Professional Bodies, Department Club activities and Central Library.

B. The institution needs to specify the facilities, materials for learning beyond syllabus, Webinars, Podcast, MOOCs etc. and demonstrate its effective utilization.

The Following facilities are made available for the students to promote self learning.

1. Central Library:

Table 9.4 (1): General Information of Library

Library Area	821.40 Sq.m
No. of seats in reading space	75
Number of users per day	110
Library Timing	Working Day : 9 am to 6 pm Holiday: 9 am to 1 pm
Bar-coding facility	Yes

Table No. 9.4 (2): Overall library resources details

Particulars	Academic Year					
	2023-2024		2022-2023		2021-2022	
Books	Titles	Volumes	Titles	Volumes	Titles	Volumes
Added books	230	1248	191	1400	202	1362
Total	8225	29529	7995	28281	7804	26881
Printed journals	147		123		169	
Magazines	14		15		14	
Subscribed e-journals	i) DELNET ii) J-Gate iii) NDL iv) SWAYAM		i) DELNET ii) NDL iii) SWAYAM		i) DELNET ii) NDL iii) SWAYAM	

2. Department Library:

- Every department has its own Departmental library which houses text books, reference books, lab manuals, etc.
- The Departmental library resources are used by the students and faculty members.
- Issue register is maintained in the Department library to keep track of the book issue and returns.

Table No. 9.4 (3): Department Library Details

S.No.	DEPARTMENT	No. of Books available
1	B.E - CIVIL ENGINEERING	695
2	B.E - COMPUTER SCIENCE & ENGINEERING	430
3	B.E - ELECTRONICS & COMMUNICATION ENGINEERING	905
4	B.E - ELECTRICAL & ELECTRONICS ENGINEERING	1350
5	B.E - MECHANICAL ENGINEERING	602
6	B.TECH - INFORMATION TECHNOLOGY	653
7	SCIENCE & HUMANITIES	979
8	MANAGEMENT STUDIES	73
	TOTAL	5687

3. Department Club Activities

Every year each department organizes various programs under their department club activities where students have scope to learn on their own by attending and organizing workshops, seminars and Technical symposiums.

Figure No. 9.4 (1): Department Club activity invitations

4. Internet Facility

Name of the Internet provider: Airways Communication

Available bandwidth: 100 Mbps(Leased Line)

Wi-Fi availability

- Campus is Wi-Fi enabled about 6 access points are available in the Campus.
- Internet access in labs, classrooms, library and offices of all Departments
- Internet can be accessed in labs through Wi-Fi and few systems provided with internet connection.
- Wi-Fi at the corridors gives access to Internet in the classrooms.
- Library has a designated information gathering centre about 35 systems having Internet connection with Wi-Fi accessibility also available
- Departments have designated systems with Internet connection.
- Wi-Fi accessibility as well as Ethernet LAN also available.

5. Professional Societies:

Institute has membership with professional societies to enrich the students with current technologies and innovations by organizing various programs under the professional body.

Table No. 9.4 (4): Professional body Membership Details

S.No	Name of the Professional Bodies
1	ISTE – The Indian Society for Technical Education
2	CSI – Computer Society of India
3	EWB – Engineers without Borders
4	ICT Academy

6. Professional Chapter (Naan Mudhalvan):

Nan Mudhalvan is a skill enhancement initiative of state government of Tamil Nadu, by offering various courses, mentor ship and recourses to impart technical knowledge practically.

Naan Mudhalvan Details - Krishnagiri District

College Name	P.S.V College of Engineering and Technology
Spoc Name	Dr M Srinivasan
Spoc Contact Number	8610862688

Sl No	Course Name	No of Students Appeared semester		Course Completed Month
		4th	6th	
1	Robotic Process Automation	57		Completed
2	Block chain	24		Completed
3	Digital Marketing	21		Completed
4	Foundation for AI, ML, FS	21		Completed
5	Network Essentials	131		Completed
6	Network Engineering		36	Completed
7	Electric Vehicle Design		11	Completed
8	Professional Readiness for Innovation, Employment &		89	Completed
9	Smart & Advanced Manufacturing Design & Simulation		27	Completed
10	Sustainable Building Design		26	Completed
11	Product Design Engineering & Modelling	25		Completed
12	Electric Vehicle Charging system design		28	Completed
13	Embedded System Design - Industrial Applications		22	Completed
	Total	279	239	

SPOC

PRINCIPAL
Dr. P. LAWRENCE, M.E., Ph.D.
PRINCIPAL
P.S.V. COLLEGE OF ENGINEERING & TECHNOLOGY
MITTAPALLI, BALINAYANAPALLI Po,
KRISHNAGIRI Dt, 635 108
TAMILNADU.

Figure No. 9.4 (2): Academic Year 2023 – 2024 Naan Mudhalvan Participation Details

Figure No. 9.4 (3): Sample Naan Mudhalvan Certificates of Students

7. Online Courses:

1. NPTEL videos- http://172.16.250.30/ece.html (http://172.16.250.30/ece.html)

2. Swayam Course- https://swayam.gov.in (https://swayam.gov.in/)

3. EDX course- www.edx.org (http://www.edx.org/)

4. IIT Bombay course- www.iitbombayx.in (http://www.iitbombayx.in/)

5. Coursera portal - www.coursera.org (http://www.coursera.org/)

6. IIT- Spoken tutorials- http://spoken-tutorial.org/ (http://spoken-tutorial.org/)

7. Swayam prabha - https://swayamprabha.gov.in (https://swayamprabha.gov.in/)

8. Amrita Virtual lab - http://vlab.amrita.edu/ (http://vlab.amrita.edu/)

Impact Analysis:

Figure No. 9.4 (4): Sample NPTEL Certificates of Students

9.5 Career Guidance, Training, Placement (10)   Total Marks 10.00

A. Availability of career guidance facilities

In order to prepare students for placement, the institute includes a Centre for Training and Placement that fosters interactions between industry and academic institutions. Additionally, it offers employment chances by bringing employers to all qualified final-year students for campus recruitment. Additionally, it teaches students soft skills and employability abilities, enabling them to jump right in. It collaborates with businesses and other professional associations to sign memorandums of understanding and upholds the institutions links abroad.

Table 9.5 (1): Career Guidance Program Organized by the Department

Assessment Year	Name of the Program	Dept / Year	Date	Resource Person Details	Total No. of Participants
CAY (2023 - 2024)	Placement Orientation Soft skill and Technical Training for Hexaware Device	CSE/III	30.07.2023 To 04.07.2023	Mr Rajesh Kanna IAS ACADEMEY CHENNAI	63
	Technical Training (Coding	CSE/IV	24.07.2023 To 24.08.2023	Mr Naveen Sanjeevan IAS ACADEMEY CHENNAI	56
	Basics of G-JS, Cloud Computing and Python Ful Stack	CSE/III	31.07.2023 TO 05.08.2023	Mr.R.Manikandan, Founder, IAS ACADEMEY CHENNAI	63
	Advanced Aptitude and Technical (Coding)	CSE/IV	24.07.2023 to 10.08.2023	Mr.R.Manikandan, Founder, IAS ACADEMEY CHENNAI	56
	Full Stack Development	CSE/II	20.11.2023	Mr Balakumaran Software Architect, ideas21T Technologies. Chennai	54
	Career Guidance Program on Career Opportunities in DRDO	ECE / IV	30.09.2023	Dr.V.Dillibabu, scientist, DRDO, Director, National Design and Research forum, Bangalore	21
	Career Guidance Program on Career Opportunities in DRDO	ECE / IV	30.09.2023	Dr.V.Dillibabu, scientist, DRDO, Director, National Design and Research forum, Bangalore	21
	Career Guidance Program	EEE / IV	24.07.2023 to 05.08.2023	R.manikandan,M.E., Innovative Academy Services, Chennai.	50
	Career Opportunities As Full Stack Developer	IT/IV	17.05.2023	Ashwini A, Full Stack Developer And Trainer, Apollo Education, Hosur.	110
	Career Guidance Program on Career Opportunities in DRDO	MECH / II,III & IV	9/30/2023	Dr V.Dillibabu, Scientist, DRDO, Director, National Design and research forum, Bangalore	104
	Recent Trends in Job Markets	MBA/2024	10.01.2024	Mr,Aswin Kathirvelu, Managing Director ,Innovative Academy For Students, Salem.	60
CAYm1 (2022-2023)	Advanced Aptitude and Technical (Coding)	CSE/IV	01.08.2022 to 06.08.2022	S Sangavi Innovative Academy for Students.	30
	Placement Orientation Program On Ways To Succeed Interviews	CSE/IV	12.09.2022	Mr.K.Manikandan, ME.,MBA Director Training And Placement, AVS & Sakthi kailash Educational Institutions, Salem.	32
	Placement Orientation Program on Ways To Succeed Interviews	ECE / IV	12.09.2022	Mr. K. Manikandan, M.E., MBA Director-Training and Placement, AVS and Sakthi kailash Educational Institutions, Salem.	50
	Placement Orientation Program	EEE / IV	07.02.2023	Mr.A.PRAKASAM,M.E., Gateway Engineers Academy, Salem	35
	Placement Orientation Program on Ways to Succeed Interviews	IT/IV	12.09.2023	Mr.K.Manikandan, M.E.,MBA., Director Training And Placement, Avs & Sakthikailash Educational Instituitons, Salem.	28
	Career Guidance Program on Ways to Succeed interviews.	MECH/ IV	12.09.2022	Mr.K. Manikandan, M.E., MBA., Director-Training and Placement ,AVS & Sakthikailash Educational Institutions, Salem.	39
	Campus to Corporate	MBA/2023	18.01.2023	Dr.I.Thangaraju,M.E,PhD AP/EEE,GCE-BARGUR.	60

Assessment Year	Name of the Program	Department / Year	Date	Resource Person Details	Total Number of Participants
CAYm2 (2021-2022)	Choose The Right Path	CSE /IV	11.04.2022	M.Gopinath,B.E, Branch Manager, Veranda Learning Solutions Ltd, Hosur	47
	Seminar on Challenges and Suggestive Measures to Clear Competitive Exam	ECE/ IV	20.09.2021	Mr. G. DEEPAK, Regional Manager, Face Academy, Chennai.	41
	Career Guidance Program on "Mock Interview"	EEE/ IV	02.07.2021	Mr. G. DEEPAK, Regional Manager, Face Academy, Chennai.	24
	Choose The Right Path	IT/IV & III/IT	11.04.2022	M.Gopinath,B.E, Branch Manager Veranda Learning Solutions Ltd, Hosur	38
	Career Guidance on "Opportunities for Mechanical Engineers"	MECH/ IV	19.11.2021	Mr.J.Esakkiyappan, M.E., Design Engineer, Vinayaga Tools, Hosur.	43
	Building Interpersonal Effectiveness	MBA/2022	15.09.2022	Mr.G.Deepak,Regional manager,	60

B. Counseling for higher studies (GATE/GRE, GMAT, etc.)

Table 9.5 (2): Competitive Exam Awareness Program Organized by the department

Assessment Year	Name of the Program	Department / Year	Date	Resource Person Details	Total Number of Participants
CAY (2023-2024)	How to clear Group services Examination	CSE/III/IV	01.11.2023	Mr. C.Gokul, Software Engineering, Sri Jai Technology's Krishnagiri	112
	Awareness Program on Competitive Exams on UPSC Preliminary and Main Exams	ECE/ IV	04.10.2023	Mr. M. Vinothkumar, UPSC MENTOR, Veranda Race, Vailankanni academy, Krishnagiri.	21
	Aptitude Crash Course	EEE / IV	07.08.2023 to 12.08.2023	Mr.G.Rajeshkannan Technical Trainer, Chennai.	50
	Awareness Program on IBPS Exam Preparation	IT/IV	27.10.2023	K. Suresh, Probationary Officer, State Bank of India, Thirupatur.	48
	Awareness Program On Competitive Exams on UPSC Preliminary & Main Exams	Mechanical /III&IV	10/4/2023	Vinoth Kumar.M UPSC Mentor , Veranda Race, Vailankanni Academy, Krishnagiri,	75
	"NET & SET"	MBA/2024	05.02.2024	Mrs. K.KRITHIGA, MBA.,SET AP/MBA,PSVCET, KRISHNAGIRI.	60

CAYm1 (2022-2023)	Awareness program for Competitive Exam on "SSC JE& State AE	CIVIL/IV	28.4.2023	Mr.R.Manigandan, Founder, Innovative Academy for students, Chennai.	9
	Quantitative TNPSE and GATE Exam Preparation	CSE/III/IV	08.04.2022	Mr.Deepak, Regional Manager, Face Academy, Chennai	85
	Awareness Program on Competitive Examinations: GATE & TANCET	ECE/ IV	21.10.2022	Mr. RAMBO. P Innovative Academy for Students(IAS), Chennai-600058	38
	Awareness Program on "GATE 2023"	EEE / III & IV	09.11.2022	Mr.A.Prakasam., M.E. Gateway Engineers Academy, Salem.	50
	Awareness Program on GATE	IT/II	30.03.2023	Mr.Gowri Shankar, Technical head, HSDP Pvt ltd, Chennai.	63
	Awareness Program on Competitive Exams GATE/ TANCET and TNPSC	Mechanical /III&IV	27.01.2023	Mr. P.Deivegan, Branch Coordinator, Veranda Race, Vailankanni Academy, Krishnagiri,	72
	"TNPSC"	MBA/2023	18.04.2023	Mr. G.Deepak, Regional Manager, Face Academy, Chennai.	60
CAYm2 (2021-2022)	Awareness program for Competitive Exam on "GATE & UPSC	CIVIL/IV	03.06.2022	Mr.R.Manigandan, Founder, Innovative Academy for students, Chennai.	21
	GATE and TANCET Competitive Examination	CSE/III/IV	29.12.2020	Mr.R.Manikandan, Founder, Innovative Academy for Students	80
	Awareness Program on Competitive Examinations "GATE & TANCET"	ECE/ IV	12.10.2021	Mr. RAMBO. P Innovative Academy for Students (IAS), Chennai-600058.	38
	Aptitude Crash Course	EEE / IV	14.03.2022	Mr.M.Sivakumar.BE, SAI IAS Academy, Krishnagiri.	25
	Carrier Opportunities in Public Service Commission	IT / IV	22.10..2021	Mrs. Janani Prabaharan, Innovative Academy for Students (IAS), Chennai.	10
	Guidance Program on Competitive Exams For Advanced Learners	Mechanical / II, III&IV	14.05.2022	Dr. B. Deepanraj, Associate Professor, Jyothi Engineering College, Kerala.	91
	"NET & SET"	MBA/2022	23.07.2022	Mr.R.Manigandan, Founder, Innovative Academy For Students, Chennai.	60

Impact Analysis

Table 9.5 (3): Students Participation In Competitive Exam

Assessment Year	Department	Name of the Student	Name of the competitive exam
CAYm1 (2022-2023)	**EEE**	SURIYA K	STAFF SELECTION COMMISSION
		MURUGESAN K	TNPSC
		AJITH M	TNPSC
		SETHUPATHI	TNPSC
	IT	S NIROSHA	TNPSC GROPU 4
		N SWATHI	TNPSC GROPU 4
	MECH	ROHITH PRASANNA P R	SSC JE

Assessment Year	Department	Name of the Student	Name of the Degree
CAYm2 (2021-2022)	EEE	PRAGATHIS J	GANGMAN EXAM
		THENMOZHI E	GATE
		RAGAVI R	STAFF SELECTION COMMISSION

Table 9.5 (4): Students Persuing Higher Studies

Assessment Year	Department	Name of the Student	Name of the Degree	Name of the University
CAYm1 (2022-2023)	EEE	GURUPRASANNA R	MBA-Master of Business Administration	ANNA UNIVERSITY
	MECH	VELMURUGAN S	PG-M.E-COMPUTER AIDED DESIGN	ANNA UNIVERSITY
		VIJAYAKUMAR R	MBA-Master of Business Administration	ANNA UNIVERSITY
		MURALI K	MBA-Master of Business Administration	ANNA UNIVERSITY
		MURUGAN D	MBA-Master of Business Administration	ANNA UNIVERSITY
		SILAMBARASAN S	MBA-Master of Business Administration	ANNA UNIVERSITY
		GOKULSRINATH	MBA-Master of Business Administration	ANNA UNIVERSITY
		SANGEETH RAJA	MBA-Master of Business Administration	ANNA UNIVERSITY
CAYm2 (2021-2022)	CSE	MOHANKUMAR V	ME	ANNA UNIVERSITY
		RAJAPANDIYAN VALLARASU K	MBA-Master of Business Administration	ANNA UNIVERSITY
	ECE	PRIYADHARSHINI J	M.E-EMBEDDED SYSTEM TECHNOLOGIES	ANNA UNIVERSITY
	EEE	BHUVANESHWARI K	MBA-Master of Business Administration	ANNA UNIVERSITY
		PAVITHRA D	MBA-Master of Business Administration	ANNA UNIVERSITY
	IT	MANOJ KUMAR MC	MBA-Master of Business Administration	ANNA UNIVERSITY
	MECH	SATHISHKUMAR M	M.E-COMPUTER AIDED DESIGN	ANNA UNIVERSITY
		TAMILSELVAN S	MBA-Master of Business Administration	ANNA UNIVERSITY
CAYm2 (2020-2021)	CSE	JANANI B	MBA-Master of Business Administration	ANNA UNIVERSITY
	ECE	KURALMOZHI.R	M.E-APPLIED ELECTRONICS	ANNA UNIVERSITY
		PRIYADHARSHINI. M	M.B.A / HR & MARKETTING	ANNA UNIVERSITY
	EEE	YOGAPRIYA MG	ME-Power Electronics and Drives	ANNA UNIVERSITY
		RANI DV	ME-Power Systems Engineering	ANNA UNIVERSITY
		SATHISH V	MBA-Master of Business Administration	ANNA UNIVERSITY
		MOHAMMED NOUMAN E	MBA-Master of Business Administration	ANNA UNIVERSITY
	IT	SWETHA. D	MBA-Master of Business Administration	ANNA UNIVERSITY
	MECH	NIRANJEN SWARUP V	M.E.- ENGINEERING DESIGN	VIT University, Vellore

C. Pre-placement training

The Placement &Training Cell:

The placement & training cell is preparing detailed schedule for orientation program and campus placements every academic year. The cell also arranges for conducting model tests and mock interview to the students.

Table 9.5 (4): Details of Training provided by Training and Placement Cell CAY (2023 -2024)

S. No.	Title of Training	Year	Date		Total No. of Students	Trainer Details
			From	To		

1	Advanced Aptitude Training for (CSE, IT, ECE, EEE, MECH & CIVIL)	IV	24.07.2023	04.08.2023	239	IAS ACADEMY, Chennai
2	Technical Training (Coding) (CSE, IT, ECE, EEE, MECH & CIVIL)	IV	05.08.2023	12.08.2023	239	IAS ACADEMY, Chennai
3	Training on Basics of React G–JS, Cloud Computing & Python Full Stack (CSE, IT, ECE & EEE)	III	31.07.2023	05.08.2023	222	IAS ACADEMY, Chennai
4	Training on AutoCAD & CATIA (MECH & CIVIL)	III	07.08.2023	14.08.2023	52	IAS ACADEMY, Chennai
5	Softskill and Technical Training for Hexaware Drive	IV	30.08.2023	4.09.2023	72	IAS ACADEMY, Chennai
6	Technical Training forOne Yes Infotech Drive	IV	20.09.2023	24.09.2023	72	IAS ACADEMY, Chennai

Table 9.5 (5): List of Companies visited for campus Drive – CAY (2023-2024)

S. No	Recruiter		No of Students Placed	Annual Package (LPA)
1	HEXAWARE Technologies Limited, Chennai	HEXAWARE	NIL	--
2	ONE YES Info Tech Solutions - CHENNAI	ONEYES TECHNOLOGIES	2	6 LPA & 5 LPA
3	EVORIA Info Tech, Hosur		24	2.4 LPA
4	M-CORE TECH, Bengaluru	MC M-Core Technologies Pvt. Ltd.	04	3 LPA
5	PEGATRON Technology, Chennai.	PEGATRON	14	2.1 LPA
6	TSTM Technology India, Chennai	Zauba Corp www.zaubacorp.com	16	2 LPA
7	FOXCONN, Chennai	FOXCONN	19	2.2 LPA
8	FLEX Limited, Chennai	flex.	30	2.1 LPA
9	TATA Electronics, Hosur	TATA ELECTRONICS	10	2.1 LPA

Table 9.5 (6): Details of Training provided by Training and Placement Cell CAYm1 (2022 -2023)

S. No.	Title of Training	Year	Date From	To	Total No. of Students	Trainer Details
1	Advanced Aptitude Training for (CSE, IT, ECE, EEE, MECH & CIVIL)	IV	01.08.2022	06.08.2022	217	IAS ACADEMY, Chennai
2	Technical Training (Coding) (CSE, IT, ECE, EEE, MECH & CIVIL)	IV	08.08.2023	13.08.2023	217	IAS ACADEMY, Chennai
3	Placement Orientation Program on Ways to Succeed Interviews	IV	12.09.2022		217	Mr. K. Manikandan, Sakthi Educational Institutions, Salem
4	Soft skill Development Program on Language and Communication	IV	21.02.2023		217	Mrs. Joy Christina, Professor/Sacred Heart College, Fouder, JS Academy, Tirupathur

Table 9.5 (7): Placement details for the Academic Year 2022-2023

S. No	Recruiter		No of Students Placed	Annual Package (LPA)
1	TATA Consultancy Services		NIL	--
2	Inttelipaat Software Solutions Pvt. Ltd., Bangalore		1	7 LPA
3	SKLR Editech Pvt. Ltd., Bangalore		1	7 LPA
4	DEVCARE Solutions Chennai		04	5.03
5	SILICON House- Pvt, Ltd., Chennai		8	3.5 LPA
6	M-CORE TECH, Bangalore		06	3.00
7	INTIME Solutions, Bangalore		14	2.4
8	EVORIA Info Tech, Hosur		28	2.16
9	VISHAY PRECISION, Chennai		26	1.80
10	MOVATE Technologies, Chennai		01	2.03
11	SUVISION HOLDINGS, Bangalore		01	2.64
12	ABC Fruits, Bargur		8	1.68
13	PEGATRON Technology, Chennai.		140	1.74
14	SYRMA SGS Technologies, Chennai.		53	1.74
15	Artifix Software, Bangalore		42	2.1 LPA
16	SSF PLASTICS Pvt., Ltd., Hosur		47	2.4 LPA
17	JBM		15	2.52 LPA
18	DELPHI TVS Pvt. Ltd., Chennai		50	2.1LPA
19	ACCENT CIRCUITS		10	1.8LPA

D: Placement process and support:

P.S.V. COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
(Inclusion Under Section 2(f) & 12(B) of the UGC Act, 1956)
(An ISO-9001: 2015 Certified Institution)
Bangalore - Chennai Highway, (NH-46),
Mittapalli, Balinayanapalli (P.O), Krishnagiri -635 108, Tamil Nadu.

MINUTES OF TRAINING AND PLACEMENT CELL

Minutes of Training and Placement Cell held on 21.07.2023 in the Training and Placement Cell at 11.10 A.M for the academic year 2023-2024.

The Following Members were present:

S.No	Name & Designation	Position in SHC	Signature
1	Mr. D. Saravanan , AP/ EEE	Placement Officer	
2	Mrs. Kavipriya, AP/ ECE	Asst. Placement Officer	
3	Mr. R. Ravichandran, AP / MECH	Coordinator	
4	Mr. R. Vasanthakumar, AP/ EEE	Coordinator	
5	Mr. L. Prakasam, AP/ ECE	Coordinator	
6	Mr. C. Prakash Narayanan, AP / CSE	Coordinator	
7	Mr. S. Lokesh, AP / CIVIL	Coordinator	
8	Mrs. T. Jansi Rani, AP / IT	Coordinator	
9	Mr. R. Vasu, AP/MBA	Coordinator	
10	Mr.M. Anushree/CSE	Student Member	
11	Mr. T. Karmugilan/ECE	Student Member	
12	Mr. R. Jeeva/Civil	Student Member	
13	Mr. J. Arbaaz Hussain/Mech	Student Member	
14	Mr. S. Tharun/EEE	Student Member	
15	Mr. R. Poojashree/IT	Student Member	
16	Mr. R. Murali/ MBA	Student Member	

9.6 Entrepreneurship Cell (5)   Total Marks 5.00

Entrepreneurship Development Cell (EDC) at PSVCET will strive hard to promote technology application and become a resource base in identifying emerging and innovative Entrepreneurial opportunities.

Vision of EDC:

To be a well-recognized centre of excellence for entrepreneurship development based in an institution of quality learning.

Mission of EDC:

To develop institutional mechanisms and processes to create an entrepreneurial culture to develop technocrat entrepreneurs for generation of wealth and employment.

Objectives of the EDC:

- To act as an institutional mechanism for providing various services including information to budding entrepreneurs.
- To create Entrepreneurial culture among students of the Institution. To create entrepreneurship awareness among students.
- To create self-employment awareness.
- To motivate students to make their own career path and create awareness of self-financial schemes of various agencies.
- To create awareness among faculty about self-employment by conducting entrepreneurship development programs.
- To conduct Vocational Training / Skill Development programs.

Functions of EDC:

- To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, and Faculty Development Programmes in the region for the benefit of Management students and engineering students.
- To develop and introduce a curriculum on Entrepreneurship Development at various levels of Under Graduate courses and Post Graduate Courses in the College.
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans, and facilities from agencies of support system, and information on technologies, etc.
- To create self-employment awareness.

Table No. 9.6 (1): Members of Entrepreneur Development Cell

S. No	Name	Designation	Department
1	Prof.J.Ramya	Coordinator	HOD/MBA
2	Prof.R.Vasu	Member	AP/MBA
3	Prof.K.Krithiga	Member	AP/MBA
4	Prof.K.Gopinath	Member	AP/EEE
5	Prof.N.Suresh	Member	AP/MECH
6	Prof.B.Neelu	Member	AP/CSE
7	Prof.L.Prakasam	Member	AP/ECE
8	Prof.S.Lokesh	Member	AP/CIVIL
9	Prof.N.Nandhini	Member	AP/IT
10	Mr.E.Roobavanan	Student Member	EEE
11	Mr.J.Arbaaz Hussain	Student Member	MECH
12	Mr.James Antony raj	Student Member	CSE
13	Mr.T.Karmugilan	Student Member	ECE
14	Mr.E.Renurajan	Student Member	CIVIL
15	Mr.G.Jayaprakash	Student Member	IT
16	Mr.G.Murali	Student Member	MBA

A. Entrepreneurship initiatives

Table 9.6(2) shows the Entrepreneurship initiatives taken for the Assessment year by Entrepreneurship Development Cell,

Table No. 9.6 (2): Programs Organized by the EDC

S. No	Name of the Program	Date	Resource Person Details/ Chief Guest Details	Total No. of Participants
		CAY 2023-2024		
1	Seminar on -Awareness and generate interest among the students regarding Financial Markets in SEBI & NISM National wide Financial Literacy Quiz	18.12.2023	Mr. C.HARISELVAM, Financial Education Resource Person (SEBI &NISM), Krishnagiri.	119
2	Fiera Campionaria (Bring and buy sales) - 2K23	02.11.2023 & 03.11.2023	Mr. B.PRASANNA, General Manager, DIC, Krishnagiri.	600
3	Foodies Delight-2K23 (Buffet of South-Food Fest)	01.11.2023	Dr.P.LAWRENCE,M.E.,Ph.D, Principal, P.S.V College of Engineering &Technology, Krishnagiri.	550
4	Awareness on "Prime Minister Employment Generation Programme" along With Khadi & Village Industries Commission (Ministry Of Msme, Govt Of India) State Office, Chennai.	18.10.2023	Mr. R.VASIRAJAN, Assistant Director - I, KVIC, Chennai.	250
5	Seminar on "Understanding National Commodity Derivative Market"	14.10.2023	Mrs. M.ASHTALAKSHMI, Expert Speaker- NCDEX.	119

		CAYm1 2022-2023		
1	Commercio Fiera-2023	24.04.2023 & 25.04.2023	Dr.P.SELVAM,M.A.,M.Phil.,Ph.D., Chairman, P.S.V Group of Institution, Krishnagiri.	119
2	Entrepreneurship Awareness Programme For Youth & Awareness For DIC Schemes	14.03.2023	Er.M.RAMAMOORTHY, Assistant Engineer, Department of Industrial & Commerce, DIC, Krishnagiri.	290
3	XEKINA MINDs Food Fest- 2K22	16.11.2022	Dr.P.SELVAM,M.A.,M.Phil.,Ph.D., Chairman, P.S.V Group of Institution, Krishnagiri.	350
4	Seminar on "Importance of Intellectual Property Rights"	11.11.2022	Mr.K.JAGADEESAN, MBA., Associate Professor, Jayam College of Engineering and Technology, Dharmapuri - 636813.	273
5	Empowerment of Entrepreneurship Skills For Executives & Engineers	16.09.2022	Dr. D.VETRIVELAN,MBA., M.Phil.,Ph.D., HOD/ASSO.PROF, Department of Management Studies, Donbosco College of Arts and Science College, Yelagiri Hills,Tirupattur.	281
		CAYm2 2021-2022		
1	Seminar -awareness and generate interest among and students regarding financial markets in SEBI national wide financial markets quiz contest	10.05.2022	Mr.C.HARI SELVAM, Financial Education Resource Person (SEBI - NISM),Krishnagiri.	70
2	Canton Toph expo-mostra Rota Athens -2K22	12.04.2022 & 13.04.2022	Dr.P.SELVAM,M.A.,M.Phil.,Ph.D., Chairman, P.S.V Group of Institution, Krishnagiri.	70
3	Start Up - Minds 2K21	15.12.2021	Dr.P.LAWRENCE,M.E.,Ph.D, Principal, P.S.V College of Engineering &Technology, Krishnagiri.	70

Figure No. 9.6(1): Sample Photographs of Entrepreneurship Development Programs

B. Data on students benefitted

Table No. 9.3(3): Details of Entrepreneurs

S.No	Register Number	Name of the Student	Dept.	Year of Pass	Company Name & Location

1	611815413007	G.PRAKASH	CIVIL	2017	G.S BUILDERS, KRISHNAGIRI
2	611818413014	G.SATHIYARAJ		2020	G.Sathiyaraj, Charted Engineer & IBBI Register valuer, DHARMAPURI
3	611819413012	S.VIGNESH KUMAR		2021	WWW.Krishnagiri Real Estates.com, KRISHNAGIRI
4	611820413006	K.SENTHIL KUMAR		2022	KSK Constructions & Builders, KRISHNAGIRI
5	611814103042	M.MADESH		2018	Munusamy Hollow bicks & M Sand, KRISHNAGIRI
6	611818103001	V.BALAJI		2022	Make construction, KRISHNAGIRI
7	611819103003	T.MUTHU KUMAR		2023	Thirupathi Land Developers & Construction, KRISHNAGIRI
8	611817104035	SANTHOSH M	CSE	2021	WIZNSOFTTECH SERVICE PRIVATE LIMITED, BARGUR, Krishnagiri
9	611817104025	NANDHA ELAVARASU.K		2021	WIZNSOFTTECH SERVICE PRIVATE LIMITED, BARGUR, Krishnagiri
10	611815631014	MANOJALAPATHY.M	MBA	2017	CHIDAMBARAM GOLD COVERING, BARGUR
11	611816631034	M.VENKATESAN		2018	SIVAM COTTON BAZAR,9/83, M.G. ROAD ,OPP. FISH MARKET. KODUR-KADAPA DIST
12	611817631019	S.KULANDAIVELAN		2019	LORRY TRANSPORT, Krishnagiri
13	611818631003	ASHOK KUMAR.K		2020	SELVAGANAPATHY AGRO TRADERS. RAYAKOTTA,KRISHNAGIRI - DIST
14	611818631008	ESTHER JANCYRANI.A		2020	SAS TRADERS, KRISHNAGIRI
15	611819631021	VASANTH.S		2021	GUHAN CLICKZ, KRISHNAGIRI
16	611820631002	GOPALAKRISHNAN.T		2022	G.K INTERNATIONAL & BALAJI ENTERPRISES, TIRUPATTUR
17	611821631009	DONPAUL.M		2023	TAMILAN GROUPS,RO SYSTEM,UPS. TIRUPATTUR
18	611821631015	HEME.B		2023	FLORA PHYSIOCARE AND FITNESS ZONE KRISHNAGIRI
19	611821631029	MUSTHAFA.R		2023	MANGO MANDI, MATHUR
20	611821631051	SRINIVASAN.D		2023	SRINI FINANCE LIMITED KAVERIPATTINAM
21	611818106010	GANAPATHI. S	ECE	2022	SHRI SKS GANAPATHI TRADERS
22	611817106703	GOKULNATHAN.M		2021	SRI GOKUL TEXTILES
23	611816106003	G.ANAND		2020	GPA FLORITECH AND NURSERY, KRISHNAGIRI
24	611816106033	PRAVEEN.G		2020	GPA FLORITECH AND NURSERY, KRISHNAGIRI
25	611816106025	MOTHILAL P		2020	SRI LAKSHMI VENKATESHWARA FINANCIERS, Krishnagiri

Figure No. 9.6(2): Sample GST Details of Entrepreneurs

GSTIN: 37ATIPV3194P1ZM

Legal Name of Business: MADHIYAN VENKATESAN

GSTIN Status: Active

Constitution of Business: Proprietorship

Taxpayer Type: Regular

Date of Registration: November 20, 2018

State Jurisdiction details: RAYACHOTI

Centre Jurisdiction details: NA

GSTIN: 33BNFPA2317F1ZR

Legal Name of Business: ASHOKKUMAR KRISHNAN

GSTIN Status: Active

Constitution of Business: Proprietorship

Taxpayer Type: Regular

Date of Registration: November 10, 2020

State Jurisdiction details: PALACODE

Centre Jurisdiction details: NA

GSTIN: 33BUHPM4213K1ZP

Legal Name of Business: CHENMOORTHY MADHAN

GSTIN Status: Active

Constitution of Business: Proprietorship (MANOJALAPATHY.M)

Taxpayer Type: Regular

Date of Registration: July 1, 2017

State Jurisdiction details: KRISHNAGIRI - II

Centre Jurisdiction details: NA

9.7 Co-curricular and Extra-curricular Activities (10)   Total Marks 10.00

Students are encourage to participate in various seminars, workshops, conference, paper presentations, technical events both in inter and intra institute level. Also students are motivated to participate in cultural and sports activities.

A. Availability of sports and cultural facilities

Table No. 9.7 (1): Availability of Sports and Gym facilities

Particulars	
Outdoor games	**Indoor Games**
Cricket ground	Chess
Kho Kho Ground	Carom
Tennis Court	Table Tennis
Volleyball	**GYM Facilities**
Ball Badminton	Weight Lifting rods & Dumbbells
Kabaddi Court	Hydraulic Gym
Basket Ball Court	Cycling
200/400/1200 Meters Athletic Track	Thread mill

Figure No. 9.7(1): Students Participation in Sports activities

Figure No. 9.7 (2): Students Participation in Cultural activities

B. NCC, NSS and YRC

P.S.V College of Engineering and Technology is given importance to the Extension activities to be taken up by the students in order to fulfill the aspirations of Vision and mission statements of the institution. Holistic development of the individual is the aim with which the students are encouraged for participation in extension program such as NSS, YRC and NCC.

1. National Service Scheme (NSS): We, P.S.V College of engineering and technology actively organize various extension activities such as blood donation camps, saplings plantation, environmental awareness programmes, medical awareness camps, free health check-up, Science Exhibition and Educational Counseling programs and Swatch Bharat activities under NSS programs during the last five years. Our NSS Unit and Rotary Club of Bargur jointly organize various public awareness rallies round the year. Some of the important rallies are impacts of plastic usage, road safety, dengue fever awareness, cancer awareness, and gender issues. The impacts of those rallies create awareness, importance and knowledge to the public.

Table No. 9.7 (2): NSS activities for the 3 Assessment Years

S.No	Name of the NSS Programme/ Extension Activity	Location	DATE	Total Number of Participants
CAY - 2023-2024				

1	HELMET AWARENESS RALLY	BARGUR	05-06-2023	60
2	DRUG AWARENESS RALLY	BARGUR	26-06-2023	150
3	PLEDGE ON DRUG AWARENESS	PSVCET	11-08-2023	100
4	BLOOD DONATION CAMP	PSVCET	18-10-2023	45
CAYm1- 2022-2023				
1	CLEAN INDIA 2.0	MITTAPALLI VILLAGE	04-11-2022	29
2	SAPLING PLANTATION	GOVT HR SEC SCHOOL ORAPPAM	28-09-2022	32
3	DRUG AWARENESS PROGRAM	PSVCET	31-10-2022	66
4	RASHTRIYA POSHAN MAAH	GOVT. HIGHER SECONDARY SCHOOL ORAPPAM, KRISHNAGIRI	14-09-2022	120
5	PLASTIC AWARENESS	MITTAPALLI VILLAGE	30-12-2022	48
6	TRAFFIC & ROAD SAFETY AWARENESS PROGRAM	PSVCET	21-01-2023	139
CAYm2- 2021-2022				
1	BLOOD CAMP	PSVCET	23-12-2021	56
2	COVID VACCINATION CAMP	PSVCET	14-02-2022	186
3	CYBER CRIME AWARNESS PROGRAM	PSVCET	20-04-2022	253
4	SAPLING PANTATION	GOVERNMENT HR SEC SCHOOL (GIRLS) BARGUR	23-11-2021	49
5	RALLY ON AIDS AWARENESS	KRISHNAGIRI	08-03-2022	250
6	RALLY ON CANCER AWARENESS	BARGUR	30.12.2021	255
7	RALLY ON CHILD MARRIAGE	Tamil Nadu Government-Collector Office -Krishnagiri	13-5-2022	240
8	ROAD SAFETY	RTO-KRISHNAGIRI	30-03-2022	245
9	YOGA TRAINING PROGRAM	PSVCET	21-06-2022	63

Figure No. 9.7 (2): NSS activities Photographs

2. Youth Red Cross (YRC): YRC of PSVCET had organized various activities and camps for various villages in and around the Krishnagiri such as Corona –Awareness Programme, National Voters Day, Traffic Awareness Programme Rain Water Harvesting Awareness Programme, Water Pollution Awareness Programme also conducted Plastic Awareness Programme and Swatch Bharath Awareness Programme along with lions club of Bargur during the last five years.

Table No. 9.7 (3): YRC activities for the 3 Assessment Years

S.No	Name of the YRC Programme/ Extension Activity	Location	DATE	Total Number of Participants
	CAY - 2023-2024			
1	AWARENESS PROGRAMME ON FIRST AID	PSVCET	10.07.2023	336
2	WORLD SAVINGS DAY	PSVCET	31.10.2023	150
3	YOGA AWARENESS PROGRAM FOR FRESHER	PSVCET	20.09.2023	440
4	YOUTH AWAKENING DAY	PSVCET	14.10.2023	401
	DRUG AWARENESS PROGRAMME	PSVCET	20.12.2023	340
	CAYm1- 2022-2023			
1	FIRST AID PROGRAMME	PSVCET	21.06.2023	314
2	DRUG AWARENESS PROGRAM	BARGUR	03.06.2023	320
3	WORLD MOTHER LANGUAGE DAY	PSVCET	21.02.2023	34
4	NATIONAL VOTER'S DAY	PSVCET	25.01.2023	100
5	DENGUE AWARENESS DAY	ELATHAGIRI	17.12.2022	269
6	YOGA AWARENESS DAY	PSVCET	24.09.2022	100
7	EYE CAMP	PSVCET	27.09.2022	200
8	TOBACCO AWARENESS PROGRAM	BARGUR	18.08.2022	120
9	AWARENESS PROGRAM ON WASTE WATER MANAGEMENT	ACHAMANGALAM	17.08.2022	125
10	DENGUE AWARENESS DAY	BARGUR	14.08.2022	100
11	Drug awareness program	PSVCET	11.08.2022	120
	CAYm2- 2021-2022			
1	PLASTIC BAN AWARENESS PROGRAMME	BALLINAYANAPALLI	17.08.2021	160
2	NON-VIOLENCE AWARENESS PROGRAMME	PSVCET	01.10.2021	250
3	ANTI-DRUG AWARENESS PROGRAMME	PSVCET	09.12.2021	200
4	DENGU - AWARENESS PROGRAMME	MARUDEPALLI	18-12-2021	49
5	YOUTH EMPOWERMENT PROGRAMME	PSVCET	30.04.2022	141

Figure No. 9.7 (3): YRC activities Photographs

3. NCC – National Cadet Corps: The NCC aims at developing character, comradeship, discipline, a secular outlook, the spirit of adventure and ideals of selfless service amongst young citizens. Further, it aims at creating a pool of organized, trained and motivated youth with leadership qualities in all walks of life, who will serve the Nation regardless of which career they choose. Needless to say, the NCC also provides an environment conducive to motivating young Indians to join the armed forces.

    1) To Create a Human Resource of Organized, trained and Motivated Youth.

    2) To Provide Leadership in all Walks of life and be Always Available for the Service of

       the Nation.

    3) To Provide a Suitable Environment to Motivate the Youth to Take Up a Career in the

       Armed Forces.

    4) To Develop Character, Comradeship, Discipline, Leadership, Secular Outlook, Spirit

       of Adventure and Ideals of Selfless Service amongst the Youth of the Country

Table No. 9.7 (d): NCC activities for the 3 Assessment Years

S.No	Name of the NCC Programme/ Extension Activity	Venue	Date	No of Participants
	CAY- 2023-2024			
1.	Annual training camp for Specialised training for aero modelling & drone	ksr Institute for Engineering and Technology, Tiruchengode	26.12.2023 to 04.01.2024	7
2.	Special campaign on Millets for wellness and Millet Food Exhibition	PSVCET, Krishnagiri	14.12.2023	547
3.	Inter Group Shooting Competition	Mahendra Engineering College, Mallasamudram	08.12.2023	02
4.	Blood Donation Camp	PSV Multi Speciality Hospital, Krishnagiri	27.11.2023	30
5.	Shivaji Trail Trek-2023	Kolhapur, Maharashtra	21.11.2023 to 27.11.2023	02
6.	5(TN) Air Sqn (Tech) NCC Unit office, Salem Commanding Officer visit	NCC Office, PSVCET, Krishnagiri	15.11.2023	-
7.	DDG Conference on "Tips for Success"	Sona College of Technology, Salem	04.11.2023	30
8.	GoH for Graduation Day	PSVCET, Krishnagiri	27.10.2023	40
9.	Basic Leadership Course (BLC) Camp	KPR institute of Engineering &Technology, Coimbatore	25.10.2023 to 05.11.2023	01
10.	Workshop on Aerospace Technologies for the Future	PSVCET, Krishnagiri	14.10.2023	169
11.	Workshop/Hands on training on "Computational Fluid Dynamics using ANSYS for Aero modelling"	Kumaraguru College Of Technology, Coimbatore	06.10.2023 & 07.10.2023	04
12.	Flight simulator training	5(TN) Air Sqn (Tech) NCC Unit office, Salem	04.10.2023	34
13.	Swachhata Hi Sewa (Shs) Campaign	Cadets home locations	01.10.2023 & 02.10.2023	24
14.	First year Enrolment process	PSVCET, Krishnagiri	25.09.2023	115
15.	GoH for inaugural programme of 1st year students	PSVCET, Krishnagiri	14.09.2023	32
16.	Environmental Awareness Rally on the occasion of G20 Summit	Krishnagiri	30.08.2023	36
17.	Awareness Program on Importance of Millets	Krishnagiri	23.08.2023	34
18.	Ek Bharat Shreshth Bharat-I Camp (EBSB)	NCC Training Area (NTA), Idayapatti, Madurai	03.08.2023 to 14.08.2023	01

19.	Combined Annual Training Camp	KSR College of Technology, Tiruchengode	04.07.2023 to 13.07.2023	22
20.	International Yoga day	PSVCET, Krishnagiri	21.06.2023	21
CAYm1 - 2022-2023				
21.	Annual Training Camp	Excel Engineering College, Komarapalayam	20.06.2023 to 29.06.2023	13
22.	Puneet SagarAbhiyan	KRP Dam Krishnagiri	16.05.2023	34
23.	ANO selection boar interview	TN Directorate Chennai	10.03.2023	01
24.	NCC B Certificate Exam	Sona college of Tech, Salem	04&05.03.2023	15
25.	NCC C Certificate Exam	Sona college of Tech, Salem	18&19.02.2023	14
26.	Combined Annual Training Camp	Kongu Engineering College, Perundurai	14-06.2022 to 23.06.2022	29
CAYm2 - 2021-2022				
27.	Awareness & Training Program on Fire Safety	PSVCET, Krishnagiri	21.04.2022	29
28.	**NCC-Group Level Selection for IGC Shooting-2022**	Kongu Engineering College, Perundurai	**15.03.2022 to 24.03.2022**	01
29.	NCC B Certificate Examination	Govt College of Engg, Salem	12.03.2022 to 13.03.2022	15
30.	ANO selection boar interview	TN Directorate Chennai	**08.02.2022**	01
31.	"NCC General Subject Online Classes" handled by subject experts	Various colleges through online mode	27.01.2022 to 31.01.2022	15
32.	National Youth Week Celebration	PSVCET, Krishnagiri	12.01.2022	10
33.	Blood Donation Camp	PSVCET, Krishnagiri	23.12.2021	14
34.	NCC ATC Camp	Sengunthar Engg Clg, Tiruchengode	15.11.2022 to 21.11.2022	18
35.	Virus Aircraft Simulation Training	PSVCET, Krishnagiri	25.09.2021	17
36.	Workshop on Opportunities in NCC	PSVCET, Krishnagiri	24.09.2021	51
37.	Adventure program on Map reading	PSVCET, Krishnagiri	23.04.2021	21
38.	Awareness program on World Water Day	PSVCET, Krishnagiri	22.03.2021	21
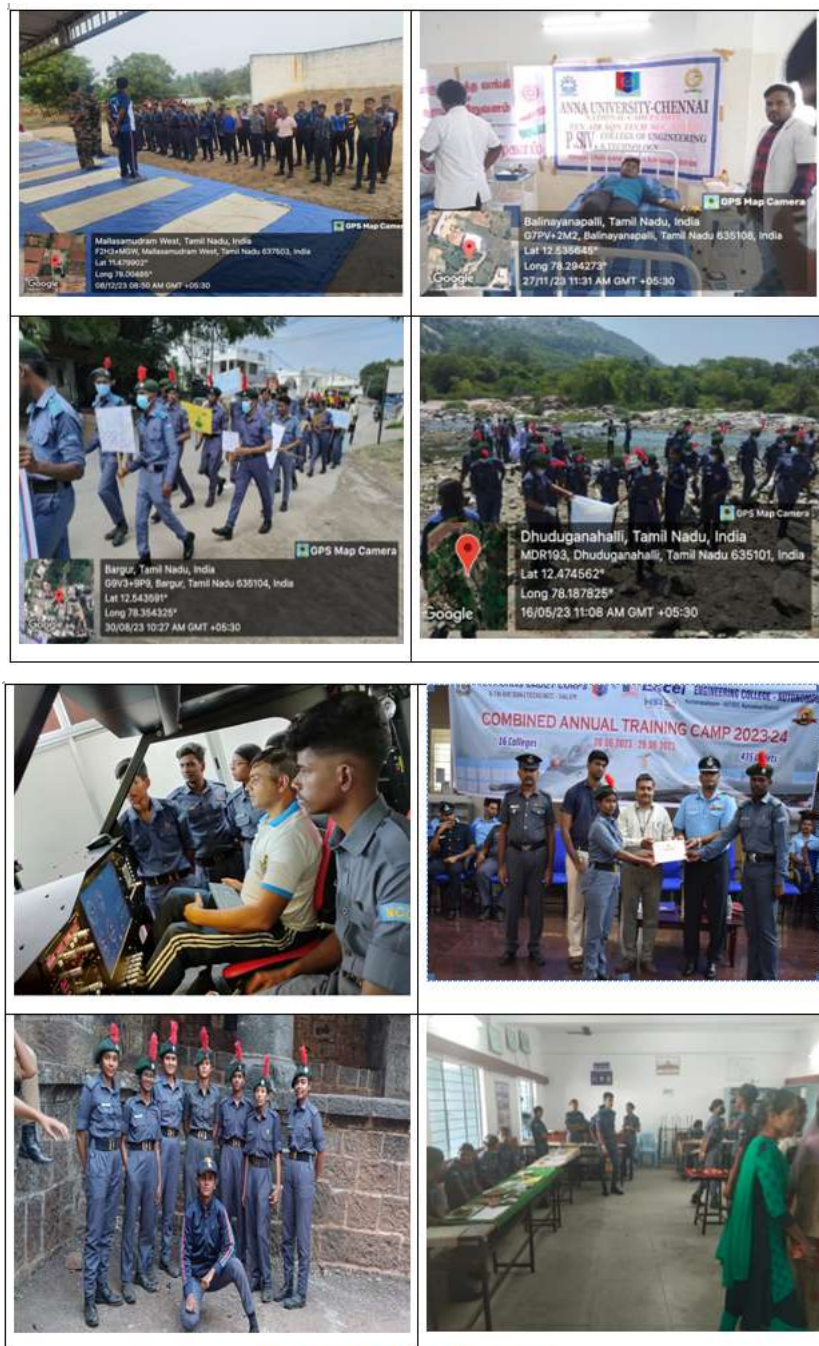
Figure No. 9.7 (4): NCC activity Photos

Table No. 9.7 (e): Students Participation in Co-curricular activities

Name of the Student	Dept/ Year	Name of the Achievement	Date	Name of the Organized Institute
CAY (2023-2024)				
S.KALEEM	CIVIL/III	Participated	15.09.23	P.S.V College of Engineering and Technology
J.S.SANTHOSH KUMAR	CIVIL/III	Participated	15.09.23	P.S.V College of Engineering and Technology
S.PRASANTH	CIVIL/III	Participated	15.09.23	P.S.V College of Engineering and Technology
G.GOKUL	CIVIL/IV	Participated	15.09.23	P.S.V College of Engineering and Technology
R.SRIDHARSHAN	CIVIL/IV	Participated	15.09.24	P.S.V College of Engineering and Technology
B.NAVANEETHA KRISHNAN	CIVIL/IV	Participated	13.09.23 to 15.09.23	GCE, Bargur.
R.JEEVA	CIVIL/IV	Participated	13.09.23 to 15.09.24	GCE, Bargur.
A.MURUGAN	CIVIL/IV	Participated	13.09.23 to 15.09.25	GCE, Bargur.
K.SRIDHAR	CIVIL/IV	Participated	13.09.23 to 15.09.26	GCE, Bargur.
E.RENURAJAN	CIVIL/IV	Participated	13.09.23 to 15.09.27	GCE, Bargur.
S.AJAI	CSE/III	3rd Prize Awarded	4.9.2023	Adhiyamaan College of Engineering, Hosur

DIVYA.R	ECE/IV	Tamil Nadu State Council For Science And Technology	13.09.2023 to 15.09.2023	Govt. Engg. College, Bargur
DINESHKUMAR.S	ECE/IV	Tamil Nadu State Council For Science And Technology	13.09.2023 to 15.09.2023	Govt. Engg. College, Bargur
BABYSHRUTHI.K	ECE/IV	Tamil Nadu State Council For Science And Technology	13.09.2023 to 15.09.2023	Govt. Engg. College, Bargur
SANJANA.S	ECE/IV	Tamil Nadu State Council For Science And Technology	13.09.2023 to 15.09.2023	Govt. Engg. College, Bargur
NIVETHA.G	ECE/III	(Paper Presentation) ELECTROVIAN 2k23	01.11.2023	Er.Perumal Manimekalai College of Engineering Hosur
PRIYADHARSHINI.S	ECE/III	(Paper Presentation) ELECTROVIAN 2k23	01.11.2023	Er.Perumal Manimekalai College of Engineering Hosur
SANJAIGANTH.K	ECE/III	Virtual Reality And Augmented Reality	25.07.2023 to 26.07.2023	Adhiyamaan College of Engineering
PARAMESHWARAN.T	ECE/III	Virtual Reality And Augmented Reality	25.07.2023 to 26.07.2023	Adhiyamaan College of Engineering
KALAIYARASI	ECE/II	Aerospace Technologies For Future	14.10.2023	P.S.V College of Engineering And Technology
MADAN G	ECE/II	Aerospace Technologies For Future	14.10.2023	P.S.V College of Engineering And Technology
MALLESHWARI M	ECE/II	Aerospace Technologies For Future	14.10.2023	P.S.V College of Engineering And Technology
RAMYA N	ECE/II	Aerospace Technologies For Future	14.10.2023	P.S.V College of Engineering And Technology
SATHYA.P	ECE/II	Aerospace Technologies For Future	14.10.2023	P.S.V College of Engineering And Technology
DINESH KUMAR S	EEE/IV	Project Expo	02.11.2023	Er. Perumal Manimekalai College of Engineering Hosur
DINESH KUMAR S	EEE/IV	Paper Presentation	02.11.2023	Er.Perumal Manimekalai College of Engineering Hosur
VIGNESH S	EEE/IV	Project Expo	02.11.2023	Er.Perumal Manimekalai College of Engineering Hosur
RANJITH KUMAR S	EEE/IV	Paper Presentation	02.11.2023	Er.Perumal Manimekalai College of Engineering Hosur
KARTHIKEYAN	EEE/IV	Paper Presentation	02.11.2023	Er.Perumal Manimekalai College of Engineering Hosur
ARUL R	IT/III	Awarded 2nd prize	30/10/23	Er.Perumal Manimekalai College of Engineering Hosur
MATHIVANAN M	IT/III	Awarded 2nd prize	30/10/23	Er.Perumal Manimekalai College of Engineering Hosur
POOVARASAN	IT/III	Awarded 2nd prize	30/10/23	Er.Perumal Manimekalai College of Engineering Hosur
DHINESHKUMAR M	IT/III	Awarded 2nd prize	30/10/23	Er.Perumal Manimekalai College of Engineering Hosur
CAYm1(2022-2023)				
NAVANEETHA KRISHNAN. B	CIVIL /III	Participated Awareness Program	8/4/2022	Ministry Of Home Affairs
NAVANEETHA KRISHNAN. B	CIVIL /III	Participated Puneet Sankalp	11/4/2022	Ministry Of Defense
KUMAR. S	CIVIL /IV	Participated Project Expo	9/15/2022	P.S.V College of Engineering & Technology
KUMAR. S	CIVIL/IV	Participated Photography	10/14/2022	Nehru Yuva Kendra- Krishnagiri District
RAMAN. S	CIVIL/III	Participated Photography	10/15/2022	Nehru Yuva Kendra- Krishnagiri District
PAVITHRADEVI. R	CIVIL/IV	Participated Poster making	9/15/2022	P.S.V College of Engineering & Technology
DURGA. T	CIVIL/III	Participated Poster making	9/16/2022	P.S.V College of Engineering & Technology
SRIDHAR. K	CIVIL/III	Participated Drawing	10/21/2022	Election Commission of India
YOGASHREE. H	CIVIL/IV	Participated Debate competition	1/11/2023	P.S.V College of Engineering & Technology
SUBALAKSHMI. R	CIVIL/II	Participated Debate competition	1/12/2023	P.S.V College of Engineering & Technology
GOPINATH. M	CIVIL/IV	Participated Conference	30-08-2022	P.S.V College Of Engineering & Technology
KUMAR. S	CIVIL/IV	Conference	8/30/2022	P.S.V College Of Engineering & Technology

KUMAR. S	CIVIL/IV	Participated Naan Mudhalvan	31-10-2022 To 11-11-2022	Anna University
AJAY. B	CIVIL/III	Naan Mudhalvan	31-10-2022 To 11-11-2022	Anna University
AJAY. B	CIVIL/III	Participated Symposium	11/19/2022	Er.Perumal Manimekalai College Of Engineering
DURGA. T	CIVIL/III	Participated Training Program	10-10-2022 To 09-11-2022	MSME- Technology Development Center(PPDC)-New Delhi
SRIDHAR. K	CIVIL/III	Participated Symposium	11/19/2022	Er.Perumal Manimekalai College Of Engineering
A.MANSOOR BASHA.	CSE/III	1st Prize Awarded	31.05.2022	Er.Perumal Manimekalai College of Engineering Hosur
M.BALAJI	CSE/II	1st Prize Awarded	17.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
M.HAJIRA	CSE/III	1st Prize Awarded	17.11.2022	Er.Perumal Manimekalai College of Engineering
MAHALAKSHMI.S	ECE/IV	Paper Presentation	28.04.2023	Er.Perumal Manimekalai College of Engineering Hosur
RAGAMALIGA D S	ECE/IV	Paper Presentation	28.04.2023	Er.Perumal Manimekalai College of Engineering Hosur
KOMATHI.M	ECE/IV	Paper Presentation	20.03.2023	Govt. Engg. College, Bargur
VEDHA PRIYA K M	ECE/IV	Conference	30.08.2022	P.S.V. College of Engineering &Tech
JAYASRI G	ECE/IV	Conference	30.08.2022	P.S.V. College of Engineering &Tech
VEDHA PRIYA K M	ECE/IV	Workshop	12.10.2022 to 13.10.2022	Adhiyamaan College of Engineering
SANJAI KUMAR S	ECE/IV	Workshop	12.10.2022 to 13.10.2023	Adhiyamaan College of Engineering
SWETHA S	ECE/IV	Conference	30.08.2022	P.S.V. College of Engineering &Tech
SWETHA S	ECE/IV	Workshop	12.10.2022 to 13.10.2022	Adhiyamaan College of Engineering
RAGAMALIGA D S	ECE/IV	Workshop	12.10.2022 to 13.10.2022	Adhiyamaan College of Engineering
RAGAMALIGA D S	ECE/IV	Conference	30.08.2022	P.S.V. College of Engineering &Tech
SHABANA ASHMI M	ECE/IV	Workshop	12.10.2022 To 13.10.2022	Adhiyamaan College of Engineering
SRIDHAR S	ECE/IV	Paper Presentation	15.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
SRIDHAR S	ECE/IV	Technical Events	15.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
DEVADHARSHINI J	ECE/IV	Conference	30.08.2022	P.S.V. College of Engineering & Tech
PRASANTHKUMAR G	ECE/IV	Conference	30.08.2022	P.S.V. College of Engineering & Tech
PREETHI S	ECE/IV	Conference	30.08.2023	P.S.V. College of Engineering & Tech
GODWIN SAMUEL .S	ECE/II	SYMPOSIUM	17.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
DINESHKUMAR .S	ECE/III	WORKSHOP	12.10.2022 to 13.10.2022	Adhiyamaan College of Engineering
GOKUL R	EEE/IV	Paper Presentation	15.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
YOKESH A	EEE/IV	Technical Quiz	17.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
YOKESH A	EEE/IV	Poster Presentation	17.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
HARI V	EEE/IV	Poster Presentation	17.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
HARI V	EEE/IV	Poster Presentation	17.11.2022	Er.Perumal Manimekalai College of Engineering Hosur
PRADEEP.S	IT/II	Awarded 3rd Prize	29, 30 And 31 January 2023	Kuppam Engineering College, Andhra Pradesh
PRAKASH.J	IT/II	Awarded 3rd Prize	29, 30 And 31 January 2023	Kuppam Engineering College, Andhra Pradesh
GAJENDIRAN	IT/II	Awarded 3rdPrize	29, 30 And 31 January 2023	Kuppam Engineering College, Andhra Pradesh

Name of the Student	Department and Year	Name of the Achievement	Date	Name of the Organized Institute
DHINESHKUMAR.S	IT/II	Awarded 3rd Prize	29, 30 And 31 January 2023	Kuppam Engineering College, Andhra Pradesh
KISHORE.R	IT/II	Awarded 3rd Prize	29, 30 And 31 January 2023	Kuppam Engineering College, Andhra Pradesh
HARIHARAN S	IT/II	Awarded 3rd Prize	04.03.2023	Kingsley Gardens Matriculation Hr. Sec. School
PRAVEENA S	IT/II	Awarded 3rd Prize	04.03.2023	Kingsley Gardens Matriculation Hr. Sec. School
AGILA G	IT/IV	Awarded 3rd Prize	04.03.2023	Kingsley Gardens Matriculation Hr. Sec. School
CAYm2(2021-2022)				
ISHWARYA K	ECE/IV	Paper Presentation	02.06.2022	Er.Perumal Manimekalai College of Engineering Hosur
NAHEDA ANJUM F	ECE/IV	Paper Presentation	02.06.2022	Er.Perumal Manimekalai College of Engineering Hosur
MUNISH KUMAR M	ECE/IV	Paper Presentation	30.05.2022	Francis Xavier Engineering College , Tirunelveli
ABIRAMI.R	ECE/IV	Paper Presentation	30.05.2022	Francis Xavier Engineering College , Tirunelveli
PRASANTHKUMAR G	ECE/III	Paper Presentation	05.04.2022	Govt. Engg. College, Bargur
PRASANTHKUMAR G	ECE/III	Technical Events	07.04.2022 To 08.04.2022	Govt. Engg. College, Bargur
DEVADHARSHINI J	ECE/III	Paper Presentation	05.04.2022	Govt. Engg. College, Bargur
SWETHA S	ECE/III	Paper Presentation	05.04.2022	Govt. Engg. College, Bargur
SWETHA S	ECE/III	Innovative Academy	14.03.2022	IAS Academy
GAYATHRI M	ECE/I	Awareness About NDL	18.02.2022	P.S.V. College of Engineering &Tech
GODWIN SAMUEL .S	ECE/II	Paper Presentation (Chemistry)	15.06.2022	Er.Perumal Manimekalai College of Engineering Hosur
JANSIRANI S	ECE/I	Awareness About NDL	18.02.2022	P.S.V. College of Engineering &Tech
SRIDHAR S	ECE/III	Paper Presentation	28.05.2022	Kuppam Engineering College
KARMUGILAN T	ECE/II	Quiz Competition	28.02.2022	Kuppam Engineering College
HARI V	EEE/III	Essay Writing	14.12.2021	Adhiyamaan College of Engineering,Hosur
M BALAJI	IT/IV	Best Presentation Award	20.05.2022	Kuppam Engineering College, Andhra Pradesh
S SARATH KUMR	IT/IV	Best Presentation Award	20.05.2022	Kuppam Engineering College, Andhra Pradesh
M C MANOJ KUMAR	IT/IV	Best Presentation Award	20.05.2022	Kuppam Engineering College, Andhra Pradesh

Table No. 9.7 (f): Students Participation in Extra Curricular activities

Name of the Student	Department and Year	Name of the Achievement	Date	Name of the Organized Institute
CAY (2023-2024)				
S.MUGILAN	CIVIL/III	3rd Prize Awarded in 110m HURDLES	04.11.2023 to 05.11.2023	Adhiyamaan College of Engineering, Hosur
SARANRAJ. M	CIVIL/III	1st Prize in SHOTPUT	November 04 & 05, 2023	Adhiyamaan College of Engg. Hosur
MUNIYAPPAN M	CIVIL/III	2nd Prize in MARATHON	November 04 & 05, 2023	Adhiyamaan College of Engg. Hosur
SARANRAJ. M	CIVIL/III	3rd Prize in HAMMER THROW	November 04 & 05, 2023	Adhiyamaan College of Engg. Hosur
SRIKANTH.C	CIVIL/III	3rd Prize in 10000m RUN	November 04 & 05, 2023	Adhiyamaan College of Engg. Hosur
E.ACHUDHAN	CSE/IV	3rd Prize Awarded	26.10.2023 to 27.10.2023	Adhiyamaan College of Engg. Hosur
P.KISHOR KUMAR	CSE/III	3rd Prize Awarded	26.10.2023 to 27.10.2023	Adhiyamaan College of Engg. Hosur
R.HARISH KUMAR	CSE/III	3rd Prize Awarded	26.10.2023 to 27.10.2023	Adhiyamaan College of Engg. Hosur
MANSOOR BASHA. A	CSE/IV	2nd Prize Awarded	13.02.2023	CM TROPHY, Krishnagiri
M.BALAJI	CSE/III	2nd Prize Awarded	15.09.2023	Er.Perumal Manimekalai College of Engineering Hosur
M.BALAJI	CSE/III	1st Prize Awarded	30.10.2023	Er.Perumal Manimekalai College of Engineering Hosur
M.BALAJI	CSE/III	1st Prize Awarded	30.10.2023	Er.Perumal Manimekalai College of Engineering Hosur

AJAI S	CSE/III	2nd Prize Awarded	13.02.2023	CM TROPHY, Krishnagiri
CAYm1(2022-2023)				
MUNIYAPPAN M	CIVIL/II	2nd Prize Awarded in 10000 meters	15.12.2023 to 16.12.2023	Adhiyamaan College of Engineering, Hosur
SRIKANTH C	CIVIL/II	1st Prize Awarded in 20000 meters	15.12.2023 to 16.12.2023	Adhiyamaan College of Engineering, Hosur
SRIKANTH C	CIVIL/II	The Chief Minister tropy-2023. 2nd Prize Awarded in 1500 meters	13.02.2023	Krishnagiri Stadium.
MUNIYAPPAN M	CIVIL/II	The Chief Minister tropy-2023. 3rd Prize Awarded in 1500 meters	13.02.2023	Krishnagiri Stadium.
M.HAJIRA	CSE/III	1st Prize Awarded	16.11.2022	Er.Perumal Manimekalai College of Engineering, Hosur
M.BALAJI	CSE/II	3rd Prize Awarded	16.11.2022	Er.Perumal Manimekalai College of Engineering, Hosur
S.AJAI	CSE/II	1st Prize Awarded	17.11.2022	Er.Perumal Manimekalai College of Engineering, Hosur
V.KIRUTHIGA	CSE/III	1st Prize Awarded	16.11.2022	Er.Perumal Manimekalai College of Engineering, Hosur
M.PRASANTH	CSE/III	2nd Prize Awarded	14.10.22	Aringnar Anna College Krishnagiri
M ANISHA	CSE/III	Runner	11.06.2022	P.S.V College of Engineering and Technology
V.KIRUTHIGA	CSE/III	Runner	11.06.2022	Er.Perumal Manimekalai College of Engineering, Hosur
V.HARISH	CSE/III	2nd Prize Awarded	31.05.2022	Er.Perumal Manimekalai College of Engineering, Hosur
A.MANSOOR BASHA	CSE/III	3rd Prize Awarded	27.11.2022	KIOT College, Salem
M.BALAJI	CSE/II	Runner	04.05.2022 to 06.05.2022	P.S.V College of Engineering And Technology
M.BALAJI	CSE/II	1st Prize Awarded	24.04.2022	Barathidasan Engineering College Nattrampalli
M.BALAJI	CSE/II	2nd Prize Awarded	15.09.2022	P.S.V College of Engineering And Technology
S.AJAI	CSE/II	3rd Prize Awarded	27.11.2022	KIOT College, Salem
JANSIRANI S	ECE/II	Speech Competition	31.03.2022	Tamil Nadu State
K.BABYSHRUTHI	ECE/III	Poster Making	15.09.2022	P.S.V. College of Engineering And Technology
S.SANJANA	ECE/III	Poster Making	15.09.2022	P.S.V. College of Engineering And Technology
R.DIVYA	ECE/III	Poster Making	15.09.2022	P.S.V. College of Engineering And Technology
MOHANA PRIYA G	ECE/II	Poster Making	15.09.2022	P.S.V. College of Engineering And Technology
HEENA FERDOSH N	ECE/II	Poster Making	15.09.2022	P.S.V. College of Engineering And Technology
RAKSHANA G	ECE/II	Poster Making	15.09.2022	P.S.V. College of Engineering And Technology
SOWMIYA K K	ECE/II	Poster Making	15.09.2022	P.S.V. College of Engineering And Technology
GAYATHRI M	ECE/II	Poster Making	15.09.2022	P.S.V. College of Engineering And Technology
M.VINOTHINI	ECE/IV	Handwriting	Aug-22	VIDIYAL TRUST
A. INDUMATHI	ECE/IV	Drawing	Aug-22	VIDIYAL TRUST
RAGAMALIGA D S	ECE/IV	Essay	Aug-22	VIDIYAL TRUST
UDHAYAKUMAR B	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
DHILIPAN.M	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
VARSHAN A	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
SANJAI KUMAR S	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
MURALIDHARAN M	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology

NAVEEN KUMAR V	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
RAJESH S D	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
PRAVEEN M	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
THAHIN KHAN I N	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
GOKUL S	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
SUTHISH M	ECE/IV	Basket Ball	04.05.2023 to 06.05.2023	P.S.V. College of Engineering And Technology
IMRAN N	MECH IV	District Youth Convention	14.10.2022	Nehru Yuvakendra, Krishnagiri
IMRAN N	MECH IV	District Youth Declamation	14.10.2022	Nehru Yuvakendra, Krishnagiri
ARUN KUMAR P N	MECH IV	Declamation	14.10.2022	Nehru Yuvakendra, Krishnagiri
J. ARBAAZ HUSSAIN	MECH III	Artists	14.10.2022	Nehru Yuvakendra, Krishnagiri
DEEPAKRAJSH.P	MECH III	EBSB-II NCC Camp	12-10-2022 to 19-10-2022	NCC GP HQ Kanpur
MUKESH M	MECH IV	Essay- Independence Day Celebrations	01.08.2022	VIDIYAL Education Trust, Madurai
DEEPAKRAJSH.P	MECH III	Say Yes to Life, No to Drugs	04.08.2022	Narcotics Control Bureau
DEEPAKRAJSH.P	MECH III	Plastic Pollution and support	04.11.2022	PUNEET SANKALP
SUGUMAR G	MECH IV	Running 200 M	11.06.2022	PSV-College Sports Day
SUGUMAR G	MECH IV	Relay 400M	11.06.2022	PSV-College Sports Day
DEEPAKRAJSH.P	MECH II	IGC Shooting-2022	14-06-2022 to 23-06-2022	NCC 5 TN Air Squadron Tech, Salem
J. ARBAAZ HUSSAIN	MECH III	Cricket	11.06.2022	P.S.V college Sports Day 2022
CAYm2(2021-2022)				
SNEHA. S	CIVIL/IV	Participated Speech	3/31/2022	District Minority Trust, Tamil Nadu
SNEHA. S	CIVIL/IV	Participated Sports 400m RELAY	6/11/2022	P.S.V College of Engineering & Technology
JEEVADHARANI. P	CIVIL/II	Participated Sports 400m Relay	6/11/2022	P.S.V College of Engineering & Technology
VIJAY. J	CIVIL/II	Participated NCC	14-06-2022 to 23-06-2022	Kongu Engineering College, Perundurai
VIJAY. J	CIVIL/II	Participated NCC	15-11-2021 to 21-11-2021	Sengunthar Engineering College, Tiruchengode
NAVANEETHA KRISHNAN. B	CIVIL/II	Participated NCC	9/24/2021	P.S.V College of Engineering & Technology
NAVANEETHA KRISHNAN. B	CIVIL/II	Participated NCC	15-11-2021 to 21-11-2021	Sengunthar Engineering College, Tiruchengode
NAVANEETHA KRISHNAN. B	CIVIL/II	Participated NCC	14-06-2022 to 23-06-2022	Kongu Engineering College, Perundurai
M.HAJIRA	CSE/II	Participated	31.03.2022	District Minority Trust, Tamil Nadu
B.JOTHI	CSE/II	Participated	15.11.2021 to 21.11.2021	5(TN) Air Squadron(Tech)NCC, Salem
T.LAVANYA	CSE/II	Participated	15.11.2021 to 21.11.2021	5(TN) Air Squadron(Tech)NCC, Salem
V.KIRUTHIGA	CSE/II	Participated	15.11.2021 to 21.11.2021	5(TN) Air Squadron(Tech)NCC, Salem
M.HAJIRA	CSE/II	Participated	31.03.2022	District Minority Trust, Tamil Nadu
JANSIRANI S	ECE/I	NCC	14.06.2022 to 23.06.2022	Training Camp at KEC, Perundurai
VIJIYASANTHI P	ECE/I	NCC	14.06.2022 to 23.06.2022	Training Camp at KEC, Perundurai

HARIHARAN N	ECE/I	NCC	14.06.2022 to 23.06.2022	Training Camp at KEC, Perundurai
SANJAI KUMAR S	ECE/III	CRICKET	11.06.2022	P.S.V. College of Engineering And Technology
DINESHKUMAR.S	ECE/II	CRICKET	11.06.2022	P.S.V. College of Engineering And Technology
DINESHKUMAR.S	ECE/II	KABBADI	11.06.2022	P.S.V. College of Engineering And Technology
KAVILAYA.V	ECE/III	KHO KHO	11.06.2022	P.S.V. College of Engineering And Technology
DEVADHARSHINI J	ECE/III	KHO KHO	11.06.2022	P.S.V. College of Engineering And Technology
RAGAMALIGA D S	ECE/III	THROW BALL	11.06.2022	P.S.V. College of Engineering And Technology
JANSIRANI S	ECE/I	KHO KHO	11.06.2022	P.S.V. College of Engineering And Technology
BRIGHT JEBA SINGH B J	MECH III	Computer on Office Automation	01.04.2022	TN-Department of Tech Education
BHARANIDHARAN B	MECH III	Type Writing	01.02.2022	TN-Department of Tech Education
BRIGHT JEBA SINGH B J	MECH III	Speaking -All College Competition 2022	31.03.2022	Tamil Nadu State Government
DEEPAKRAJSH.P	MECH II	IGC Shooting-2022	15-03-2022 to 24-03-2022	NCC GP HQ Coimbatore
M.NANDHAKISHORE	MECH II	NCC Skeet Shooting	21.11.2021	NCC Combined Annual Training Camp 2021, Salem
DEEPAKRAJSH.P	MECH II	NCC CATC Camp	15-11-2021 to 21-11-2021	NCC 5(TN) Squadron Tech , Salem
DEEPAKRAJSH.P	MECH II	NCC CATC Camp	23-11-2021 to 01-12-2021	NCC 5(TN) Squadron Tech , Salem
KARTHIKEYAN.C	MECH II	Opportunities in NCC	24.09.2021	NCC Cell P.S.V College
MOHANKUMAR.J	MECH II	Opportunities in NCC	25.09.2021	NCC Cell P.S.V College
BRIGHT JEBA SINGH B J	MECH III	Type Writing Tamil (Senior Grade)	01.09.2021	TN-Department of Tech Education

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 be recognized at national level for quality technical education with ethics supported by research leading to produce innovative, entrepreneurial, and successful engineers

Mission :
• **To provide state of the art education with strong Engineering basics and managerial skills.** • **To develop students with good Engineering skills for designing and developing solutions to cater the need of industries and society.** • **To develop the institute as a Hub, working constantly in chase of brilliance in Engineering education, Research and technology transfer to the Industries and society at a large.** • **To inculcate qualities required for becoming a good entrepreneur.**

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

Institute Marks : 10.00

Governing Council is the supreme body which has been constituted as per the norms of All India Council for Technical Education, New Delhi, the Anna University and the Directorate of Technical Education, Chennai. The Governing Council is the apex body to implement the suggestions and recommendation of various administrative bodies for the holistic development of the Institution. The Governing Council consist the members from various external agencies along with the internal members. Usually general body meeting is conducted once in a semester in order to take decisions related to the innovative policies, purchase to the Laboratories and Library, infrastructural development and ratification of essential requirements for the development of the Institution.

List of Governing Council Members

S. No.	Name	Designation	Members
1	Dr. P.Selvam	Chairman, PSVCET	Chairman
2	Dr.S.Vivek	Secretary	Member
3	Mrs. G.Pushpa	Trustee	Member
4	Mrs.S.Shantha Meena	Trustee	Member
5	Dr. P.Lawrence	Principal, PSVCET.	Member Secretary
6	Regional Officer, AICTE	South Regional Office, AICTE Sasthri Bhawan, Chennai,	Nominee from AICTE
7	Dr. Rajendran	Professor , Dept. of Chemistry, Anna University	Nominee from Anna University
8	The Director, DOTE	Director, Commissioner of Technical education	Nominee from DOTE
9	Mr.S.Ravichandran	Executive - P & A, TVS Motor Company	Member from Industry
10	Dr.M.Mahendren	Staff Engineer, General Electric Company (GE)	Member from Industry
11	Mr. M. S. Suyambu	Chief Repair Officer, TVS Motor Company	Member from Industry
12	Dr. V. Sivasubramaniyam	Professor, National Institute of Technology Calicut, NIT Campus P.O 673 601, Kozhikode, India	Academic Expert
13	Prof. M. P. Senthilkumar	Head Department of Mechanical Engineering	Member
14	Dr. S. Chandra Sekaran	Head, Department of Computer Science and Engineering	Member
15	Dr. M. Srinivasan	Head, Department of Information Technology	Member
16	Dr. B. Gokulakrishnan	Head, Department of Electrical and Electronics Engineering	Member
17	Mrs. C. Tamilarasi	Assistant Professor, Department of Electronics and Communication Engineering	Member

Frequency of meeting

S. No.	Academic Year	No. of Meetings Conducted
1	2023 – 2024	1
2	2022- 2023	2
3	2021- 2022	2
4	2020-2021	2

Roles and Responsibilities of various authorities

Position	Function

Management Committee	- The Chairman is the chief patron of the Institution. - Management Committee is the executive committee to oversee all the developmental activities of the Institution. - It approves the allocation of the funds that have been recommended by the budget committee
Chairman, Governing Council	·Chairman heads the Governing Council and is the Chairman of the Institution. - Supportive to the Principal, the faculty members, the students, the alumni and the parents for the better suggestions towards the betterment of the Institution. - Motivates the Principal, the faculty members and the students to present innovative strategies for the improvement of the college
Principal	- The Principal is the academic and administrative head. - He is responsible for the holistic development of the Institution. - He is easily accessible to the HoDs, the faculty members, the students, the alumni and the parents. - He creates scholarly vibrant among the faculty members for enhancement of the teaching quality. - He nurtures the habit of punctuality among the staff and the students. - He organizes various academic activities in consultation with the HoDs, and the Faculty members such as Conferences, Workshops, Seminars, Symposiums and Faculty Development Programme etc., - He supervises the admission - He delegates powers to all the Faculty members. - He indulges in preparing budget and its utilization. - He creates the habit of discipline in the Institution.
Vice Principal	- Principal delegates some role and responsibilities to the Vice Principal - The Vice Principal prepares academic calendar. - He arranges to prepare departmental time table. - He takes care of teaching learning process. - He organizes value added courses to students. - He organizes co-curricular and extra-curricular activities - He ensures library book purchase and sports items. - He coordinates placement activities.
Director, Research and Development	- He develops research laboratory. - He creates research environment and opportunities to improve innovative ideas among the Faculty members and the students. - He organizes research exhibitions in order to encourage the students to utilize the platform. - He motivates the Faculty members and the students to publish research papers in the journals. - He motivates the students to participates in Smart India Hackathon. - He guides the Faculty members and the students to prepare project for funding. - He creates platform for writing Patent.
Human Resource, Director, Training and Placement	- He arranges the graduates to get placed in the industries. - He nurtures smooth coordination with the industries. - He gets information from HRs of the Industries what is their requirements. - He provides the opportunities to the students for getting employment in the industries according to their requirement and also to his eligibility. - He provides environments and opportunities to the students for the development of multi skill through add –on course relevant for industries. - He organizes the programmes on personality development and entrepreneurship.
Librarian	- Library is the main place for giving information. - It gives information in both forms that is in Hard and soft form. - The Librarian prepares budget before the commencement of every semester. - He takes more efforts to purchase research related books, magazines and journals. - He brings out latest technology to reach the subject related information to the Faculty members and the students. - He plans to purchase standard books and disseminates to the students and the Faculty members to develop their teaching learning process.
Physical Director	- He prepares annual budget for the purchase of sports items. - He conducts intra college competition. - He identifies talent of the individual students and practices according to their needs. - He encourages the students to take participation in competitions.

Head of the Department	• He/ She oversees the academic and functional activities of the department. • He/ She is easily accessible to the Faculty members, the students, the alumni and the parents. • He/She with the support of the Faculty members prepares the time table and lesson plan. • He/She arranges Department Advisory Committee meeting regularly. • He/She with the support of faculty members to take the vision and mission to the further step. • He/She conducts Mentors – Mentee meeting periodically in order to solve the problems of the students and make them concentrate in their studies. • He/She nurtures the faculty members the habit of preparing lesson plan and execution of the same. • He/She motivates the Faculty members and the students to publish research papers in the journals. • He/She creates conducive atmosphere among the faculty and the students for the smooth running of the department.
Faculty	• They prepare lesson plan and course file. • They nurture the discipline among the students. • They help to solve their academic as well as personal problems. • They cultivate the habit of learning. • They help to publish research papers in the conferences, seminars, symposiums and the journals. • They motivate the students to prepare for the examination. • They guide them to do project work.

Service Rules, Procedures, Recruitment and Promotional Policies

Recruitment Procedure:

The overall selection procedure should be transparent and credible methodology of analysis of the merits and credentials of the applicants.

1.   The number of vacancies in administration, teaching and non-teaching positions are prepared by the HoD and Principal at the end of each semester and submitted to the Management for further action to be taken.

2.   The requirements of staff along with their required designation, qualifications and number of vacancies for each criteria are advertised in news paper or website.

3.   The received applications are shortlisted on the basis of qualification and merit and submitted to the Chairman.

4.   Based on the availability of the members of Staff Selection Committee, the interview dates are fixed and the candidates are informed to attend the interview along with the required documents and certificated on the specified date.

5.   On the day of interview, each candidate has to give 10 minutes presentation on any topic from their subject and at the end of the presentation, they have to answer for the queries raised by the members of Staff Selection Committee. It is followed by personal interview.

6.   Based on the performance, merits and credentials of the applicant, he/she may be selected by the SSC and their pay scales are fixed in accordance with their qualification and experience as per college norms.

Promotion Procedure:

        The Principal assesses in the month of April every year regarding the staff required for the subsequent academic year. He obtains staff requirement particulars from the Heads of the Department and arrives the number of faculty members and administrative staff required to satisfy the norms of AICTE and the Anna University. The Principal publishes in the news paper and Faculty Plus website regarding staff requirement. A selection committee is constituted consisting of senior faculty members to peruse the applications received from the eligible candidates. The committee shall call for interview and after the interview the committee will finalise the shortlistedcandidates. They will be recruited and paid salary prescribed by the AICTE.

        At the beginning of the academic year, the eligible staff for promotion will be prepared by the Head of the Department and the same will be submitted to the Principal. He in turn places before staff selection committee. Eligible faculty will be promoted and scale of pay is as per AICTE norms.

10.1.3 Decentralization in working and grievanceredressal mechanism (10)

Institute Marks : 10.00

Anti-Ragging

Ragging is inhuman involves abuse, humiliation, or harassment of new entrants or junior students by the senior students. It often takes a malignant form wherein the newcomers may be subjected to psychological or physical torture. Ragging is a subset of bullying. Ragging is strictly prohibited in the college premises. If anybody found indulged in such kind of activities, strict action will be taken irrespective of the extent. Supreme Court of India has banned ragging.

Centralization of the power will give poor result, as the power is vested at one place. But decentralization helps majority of the people to take participation in the administrative and academic activities. So the outcome is more effective. Decentralization is democratic approach which is essential for the developmental activities.

Our P.S.V College of Engineering and Technology is having strong belief in decentralization of allocating responsibilities to all sections of the staff and the students. By delegating responsibility to the majority section of the staff and the student, it is possible to get collective ideas from them for the welfare of the college. Various committees have been constituted allowing the HoDs, the faculty members and the students to participate in all the activities of the college. Delegating responsibilities to the members allow them more involvement in the activities in the college and conducive atmosphere will be prevailing in the college.

The College has the following Committees

- Governing Council Committee
- IQAC Committee
- Department Advisory Committee
- Planning and Monitoring Committee
- Grievance Redressal Committee
- Anti Ragging Committee
- Anti Sexual Harassment Committee
- Women Empowerment Cell
- Entrepreneurship Development(EDC)
- Staff Selection Committee
- Research and Development Cell
- Academic Audit Committee
- Library Committee
- Discipline and Welfare Committee
- Training and Placement Cell
- Industry Institute Interaction Cell
- Examination Cell
- Sports Committee
- Library Committee
- Fine Arts
- Innovation and Creativity cell
- Student Counselling Centre
- Feedback Review Committee
- SC & ST Welfare Committee

A. List the names of the faculty members who have been delegated powers for taking administrative decisions (1)

Members of the IQAC

S. No.	Name of the member	Designation	Position
1	Dr. P.Selvam	Chairman, PSVCET	Management Member
2	Dr. P.Lawrence	Principal, PSVCET, Krishnagiri	Chairperson
3	Dr. M.P.Senthilkumar	Professor & HOD Department of Civil Engineering	Teaching Faculty
4	Dr. K.Anandan	Professor & HOD - Mechanical Engineering, PSVCET, Krishnagiri	Teaching Faculty
5	Dr. S. Chandra Sekaran	Professor & HOD - Computer Science & Engineering, PSVCET, Krishnagiri	Teaching Faculty
6	Prof. C.Thamilarasi	Associate Professor - Electronics and Communication Engineering, PSVCET, Krishnagiri	Teaching Faculty
7	Dr. B. Gokula Krishnan	Associate Professor & HOD - Electrical and Electronics Engineering, PSVCET, Krishnagiri	Teaching Faculty
8	Dr. M. Srinivasan	Associate Professor & HOD - Information Technology, PSVCET, Krishnagiri	Teaching Faculty
9	Prof. M. Sasikala	Assistant Professor & HOD – Bio Medical Engg, PSVCET, Krishnagiri	Teaching Faculty
10	Prof. R. Kumaran	Assistant Professor & HOD – AI & DS PSVCET, Krishnagiri	Teaching Faculty

11	Prof. J.Ramya	Associate Professor & HOD - Department of Management Studies, PSVCET, Krishnagiri	Teaching Faculty
12	Prof. D. Satheeskumar	Assistant Professor & HOD- Department of S& H, PSVCET, Krishnagiri	Teaching Faculty
13	Mr. A. Sasikumar	Administrative Officer, PSVCET, Krishnagiri	Member (Administration)
14	Mr. M. Janagan	Librarian, PSVCET, Krishnagiri	Member (Administration)
15	Mr. A. Anbalagan	Physical director PSVCET, Krishnagiri	Member (Administration)
16	Dr. P. Thriumoorthi, MBA., Ph.D	Associate Professor, Department of Management Studies, Periyar University, Salem - 636011.	Academic Expert (External)
17	Mr.S.Ravichandran	Executive - P & A, Neel Auto Private Limited(JBM Group), Hosur, Krishnagiri	Employer
18	Mr.S.Manivelan	Managing Director, Sri Chennakesava Granites, BRG Madhepalli (P.O), Bargur, Krishnagiri	Industrialist
19	Mr. M.S.Praveen Kumar	Material Specialist, Wipro GE Healthcare Pvt Ltd, Bangalore	Alumni Member
20	Mr. R.James Antony Raj	IV - Year, B.E(CSE), PSVCET, Krishnagiri	Student Member
21	Mr. A.C Murugan	Business Krishnagiri	Parent Member
22	Mrs. K.Krithiga	Assistant Professor, Department of Management Studies, PSVCET, Krishnagiri	IQAC Coordinator

Members of the Grievance Redressal Cell

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Dr. Gokulakrishnan	HoD/ EEE	Convener
3	Dr.K.Anandan	HoD / Mech	Member
4	Dr. M.P. Senthil Kumar	HoD / Civil	Member
5	Dr. S. Chandra Sekaran	HoD / CSE	Member
6	Dr. M. Srinivasan	HoD / IT	Member
7	Prof.C.Thamilarasi	Professor / ECE	Member
8	Mrs. M.Sasikala	HoD / Bio Medical	Member
9	Mr.N.Kumaran	HoD / AI&DS	Member
10	Mr. D. Satheesh Kumar	HoD / S&H	Member
11	Prof.J.Ramya	HoD / MBA	Member

Members of the Anti-Ragging Committee

S.No.	Name	Designation	Position in the Committee
1.	Dr.P.Lawrence	Principal	Chairperson
2.	Dr. M.P. Senthil Kumar	HoD / Civil	Convener

S.No.	Name	Designation	Position
3.	Prof.C.Thamilarasi	Professor / ECE	Member
4.	Dr.K.Anandan	HoD / Mech	Member
5.	Dr.B.Gokulakrishnan	HoD/ EEE	Member
6.	Dr. S. Chandra Sekaran	HoD / CSE	Member
7.	Dr. M. Srinivasan	HoD / IT	Member
8.	Mr. D. Satheesh Kumar	HoD / S&H	Member
9.	Prof.J.Ramya	HoD / MBA	Member
10.	Mr. A. Sasikumar	Administrative Officer	Member
11.	Mr. S.K. Perumal	Manager	Member

Members of the Anti-Ragging Squad

S.No.	Name	Designation	Position in the Committee
1.	Dr.P.Lawrence	Principal	Chairperson
2.	Dr. M.P. Senthil Kumar	HoD / Civil	Convener
3.	Prof.C.Thamilarasi	Professor / ECE	Faculty Member
4.	Dr. R. Thirunavukkarasu	ASP / Mech	Faculty Member
5.	Mr. A. Rozario Vinnarasu	AP / S&H	Faculty Member
6.	Mr. C. Prakash Narayanan	AP / CSE	Faculty Member
7.	Mr. K. Prakash	Lab Assistant / EEE	Non Teaching Faculty Member

Members of the Anti-Sexual Harassment Committee

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Prof.C.Thamilarasi	Professor / ECE	Convener
3	Prof.J.Ramya	HoD / MBA	Member
4	Mrs.B.Neelu	AP / CSE	Member
5	Jeevadharani P	Student / Civil	Student Member
6	Kiruthiga V	Student / CSE	Student Member
7	Jothika.S	Student / IT	Student Member
8	Boomika S	Student / ECE	Student Member
9	Meena M	Student / EEE	Student Member

Members of the Women Empowerment Cell

S.No.	Name	Designation	Position in the Committee
1.	Dr.P.Lawrence	Principal	Chairperson
2.	Prof.J.Ramya	HoD / MBA	Convener
3.	Mrs.K.Krithiga	AP / MBA	Member
4.	Mrs.K.Nandini	AP / CSE	Member
5.	Mahina.A	Student / Civil	Student Member
6.	Praba.M	Student / CSE	Student Member
7.	Kavipriya.S	Student / IT	Student Member
8.	Sanjana.S	Student / ECE	Student Member
9.	Preethisha.S	Student / EEE	Student Member

Members of the Entrepreneurship Development Cell (EDC)

S.No.	Name	Designation	Position in the Committee
1.	Dr.P.Lawrence	Principal	Chairperson
2.	Prof.J.Ramya	HoD / MBA	Convener

S.No.	Name	Designation	Position in the Committee
3.	Mrs. K. Krithiga	AP / MBA	Member
4.	Mrs.C.Pavithra	AP / MBA	Member
5.	Renurajan E	Student / Civil	Student Member
6.	Mansoor Basha.A	Student / CSE	Student Member
7.	Gokul Prasath I	Student / IT	Student Member
8.	Karmugilan T	Student / ECE	Student Member
9.	Manojkumar. D	Student / EEE	Student Member

Members of the Staff Selection Committee

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Dr.K.Anandan	HoD / Mech	Convener
3	Dr. Gokulakrishnan	HoD/ EEE	Member
4	Dr. M.P. Senthil Kumar	HoD / Civil	Member
5	Dr. S. Chandra Sekaran	HoD / CSE	Member
6	Dr. M. Srinivasan	HoD / IT	Member
7	Prof.C.Thamilarasi	Professor / ECE	Member
8	Mr. D. Satheesh Kumar	HoD / S&H	Member
9	Prof.J.Ramya	HoD / MBA	Member

Members of the Research and Development Cell

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Dr.B.Gokulakrishnan	HoD/ EEE	Convener
3	Dr.K.Anandan	HoD / Mech	Member
4	Dr.M.P.Senthil Kumar	HoD / Civil	Member
5	Dr.S.Chandra Sekaran	HoD / CSE	Member
6	Dr.M.Srinivasan	HoD / IT	Member
7	Prof.C.Thamilarasi	Professor / ECE	Member
8	Mr. D. Satheesh Kumar	HoD / S&H	Member
9	Prof.J.Ramya	HoD / MBA	Member
10	Mr.S.Shanmugam	AP / ECE	Faculty Member
11	Dr.C.Bhuvaneshwari	ASP / EEE	Faculty Member
12	James Antony Raj R	Student / CSE	Student Member
13	Dhayanithy.R	Student / EEE	Student Member
14	Prashanth Kumar R	Student / ECE	Students Member

Members of the Training and Placement Cell

S.No.	Name of the Member	Designation	Position in the Committee
1	Dr. P. Lawrence	Principal	Chair Person
2	Mr. D. Saravanan	AP/ EEE, Placement Officer	Convener
3	Mrs. Kavipriya	AP/ ECE	Asst. Placement Officer
4	Mr. R. Ravichandran	AP / MECH	Coordinator
5	Mr. R. Vasanthakumar	AP/ EEE	Coordinator
6	Mr. L. Prakasam	AP/ ECE	Coordinator
7	Mr. C. Prakash Narayanan	AP / CSE	Coordinator
8	Mr .S. Lokesh	AP / CIVIL	Coordinator
9	Mrs. T. Jansi Rani	AP / CSE	Coordinator
10	Mr. R. Vasu	AP/MBA	Coordinator
11	Mr.M. Anushree	Student / CSE	Student Member
12	Mr. T. Karmugilan	Student /ECE	Student Member

13	Mr. R. Jeeva	Student / Civil	Student Member
14	Mr. J. Arbaaz Hussain	Student /Mech	Student Member
15	Mr. S. Tharun	Student /EEE	Student Member
16	Mr. R. Poojashree	Student / IT	Student Member
17	Mr. R. Murali	Student / MBA	Student Member

Members of the Industry Institute Interaction Cell

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Mr. D.Saravanan	AP / Mech	Convener
3	Mr. K. Gopinath	AP/ EEE	Member
4	Mr. S. Lokesh	AP / Civil	Member
5	Mr. C. Prakash Narayanan	AP / CSE	Member
6	Mrs.N.Nandhini	AP / IT	Member
7	Mrs. S.Kavipriya	AP / ECE	Member
9	Mrs. R. Vasu	AP / MBA	Member

Members of the Examination Cell

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Mr. Rozario Vinnarasu	AP / S&H	Convener
3	Mr. K. Gopinath	AP/ EEE	Additional Coordinator
4	Mr. K. Prakash	Lab Assistant / EEE	Exam Cell Assistant
5	Mrs. N.Nandhini	AP / IT	Faculty Member
6	Mr. N. Suresh	AP / Mech	Faculty Member
7	Mrs. J. Mohana Priya	AP / MBA	Faculty Member
8	Mr. V. Senthil	AP / ECE	Faculty Member
9	Mrs. B. Neelu	AP / CSE	Faculty Member
10	Dr. L. P. Vetrivelan	Prof / EEE	Faculty Member

Members of the Sports Committee

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Mr. Rozario Vinnarasu	AP / S&H	Convener
3	Mr. Anbazhagan	Physical Director	Member
4	Mrs. C. Leena Rosaline	AP / S&H	Faculty Member
5	Mrs. R. Karthick	AP / S&H	Faculty Member
6	Mr. A.R. Ashok Kumar	AP / CSE	Faculty Member
7	Mr. M. Vinodh kumar	AP / ECE	Faculty Member
8	Mr. R. Vasanth Kumar	AP / EEE	Faculty Member
9	Mrs. S. Shruthi	AP / IT	Faculty Member
10	Sivakumar	Student / Mech	Student Member
11	Sridhar K	Student / CIVIL	Student Member
12	Mohammad Thoufiq.K	Student / ECE	Student Member
13	Karthick M	Student / EEE	Student Member

Members of the Library Committee

Sl.No.	Library committee members	Designation	Position in the Committee
1.	Dr. P. Lawrence	Chairperson	Principal
2.	Mr. M. Janagan	Convener	Librarian
3.	Mr. S. Shanmugam	Member	AP/ECE

4.	Mrs.T.Jansi Rani	Member	AP/CSE
5.	Mrs.V.Uma Maheshwari	Member	AP/IT
6.	Dr. C. Bhuvaneshwari	Member	AP/EEE
7.	Mr. R. Ravichandiran	Member	AP/MECH
8.	Mrs. S. Kokila	Member	AP/CIVIL
9.	Ms. S. Sowmiya	Member	AP/AI&DS
10.	Mrs. R. Vetriselvi	Member	AP/BME
11.	Ms. S. Sheashayani	Student / ECE	Student Member
12.	Ms. M. YuvaSree	Student / CSE	Student Member
13.	MR. M. Vijay	Student / CSE	Student Member
14.	Ms. L. Sharmila	Student / IT	Student Member
15.	Mr. M. Abishek	Student / IT	Student Member
16.	Mr. S. Pradeep Kumar	Student / MECH	Student Member
17.	Ms. C. Gopika	Student / AI&DS	Student Member
18.	Ms. R. Subalakshmi	Student / CIVIL	Student Member

Members of the Fine Arts

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Mr. Rozario Vinnarasu	AP / S&H	Convener
3	Mr. Anbazhagan	Physical Director	Member
4	Mrs. D. Revathy	AP / S&H	Faculty Member
5	Mrs.T. Leema Rose	AP / S&H	Faculty Member
6	Dr.C.Bhuvaneshwari	ASP / EEE	Faculty Member
7	Mrs.T.Jansirani	AP / CSE	Faculty Member
8	Mrs. M. Deepa	AP / ECE	Faculty Member
9	Ms. S.G. Pavithra	AP / CIVIL	Faculty Member
10	Sanjana S	Student \ ECE	Student Member
11	Sri Pradesh M	Student \ CSE	Student Member
12	Nandha.V	Student \ ECE	Student Member
13	Yuvenash	Student \ Mech	Student Member

Members of the Innovation and Creativity cell

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Dr. B. Gokulakrishnan	HoD / EEE	Convener
3	Mr. S. Shanmugam	AP / ECE	Faculty Member
4	Dr.C.Bhuvaneshwari	AP / EEE	Faculty Member
5	Dr. L. P.Vetrivelan	AP /EEE	Faculty Member
6	Mr.V. Senthil	AP / ECE	Faculty Member
7	Mrs.V.Uma Maheshwari	AP / IT	Faculty Member
8	Mrs.B.Neelu	AP / CSE	Faculty Member
9	Dr.S. Prabu	AP / S&H	Faculty Member
10	Murugan M	Student \ CSE	Student Member
11	Elavarasan C	Student \ EEE	Student Member
12	Santhoshkumar.S	Student \ ECE	Student Member
13	Santhosh Kumar S J	Student \ CIVIL	Student Member

Members of the Student Counselling Centre

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Mr. D. Satheesh Kumar	HoD / S&H	Convener
3	Mr. S. Shanmugam	AP / ECE	Faculty Member
4	Dr. B. Andrews	AP / S&H	Faculty Member
5	Mrs. V. Uma Maheshwari	AP / IT	Faculty Member
6	Mr. C. Prakash Narayanan	AP / CSE	Faculty Member
7	Mr. R. Ravichandran	AP / Mech	Faculty Member
8	Ms. S. Siva Sankari	AP / CIVIL	Faculty Member
9	Mrs. J. Mohana Priya	AP / MBA	Faculty Member
10	Pradeep K	Student /EEE	Student Member
11	Siva Chandru D	Student /ECE	Student Member
12	Meghadharshini .S	Student / CSE	Student Member
13	Hema R	Student / CIVIL	Student Member
14	Mohamed Eliyas	Student /MECH	Student Member
15	Murali	Student / MBA	Student Member

Members of the Feedback Review Committee

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Mr. Arun Kumar	AP / Mech	Convener
3	Mrs.J.Ramya	Hod /MBA	Faculty Member
4	Dr.K.Anandan	Hod /Mech	Faculty Member
5	G.Joel Murugan	Center manger-CADD Center.	Employer Member
6	L.Sathish	MD/ Lovely soft Drinks	Employer Member
7	V.Selvaraj	Proprietor /Make vision	Employer Member
8	M.Murugan	Technical Director /Adithy Technology	Employer Member
9	M.Balaji	Member	Alumni
	S.Dinesh	Member	Alumni
10	R.Pooja sri	Student / IT	Student Member
11	M.Hariprakash	Student / EEE	Student Member
12	Deenadayalan	Student / CSE	Student Member
13	R.Praveenkumar	Student / Mech	Student Member
14	M.Gopinath	Student / Civil	Student Member
15	S.Kalaiyarasan	Student / ECE	Student Member

Members of the SC & ST Welfare Committee

S.No.	Name	Designation	Position in the Committee
1	Dr.P.Lawrence	Principal	Chairperson
2	Dr. M. P. Senthil Kumar	HoD / Civil	Convener
3	Mr. D. Manivannan	AP / Mech	Faculty Member
4	Mr. S. Lokesh	AP / CIVIL	Faculty Member
5	Achudhan E	Student /CSE	Student Member
6	Yuvaraj M	Student / EEE	Student Member
7	David.T	Student / IT	Student Member

B.Specify the mechanism and composition of grievance redressal cell

Anti-Ragging

P.S.V College of Engineering and Technology believes strongly that ragging is sin and inhuman and takes care to eradicate physical and mental abuse practiced by the senior students on the juniors. The Principal, the HoDs and the faculty members organize many meeting with the senior students to create awareness that ragging should not be practiced on any one. This type of sadistic mentality is not allowed in the college. The HoDs and the faculty members obtain an Undertaking from each and every senior student, countered signed by their parents, that they will not indulge in ragging. That is why our college is ragging free zone.

Anti-Sexual Harassment

The Principal, the HoDs and the faculty members create awareness among the students about the inhumanness of the discrimination between the genders in the orientation programme conducted at the beginning of the academic year. Many meeting have been convened in the campus by women police advising the girl students to safe guard their safety.

Online and offline Mechanism followed by the College to Redress Grievance

Based on the directions of the UGC, the AICTE and the Anna University, the Grievances Redressal Cell is established in order to deal with the grievances related to students and faculty members and to ensure the redressal of grievances amicably in a time bound manner.

1. The online Grievance Redressal mechanism can be able to receive and dispose of the grievances online. The Flex board is fixed near the office with the committee members list, contact numbers and email-ids of members indicating to which email Id the grievances are to lodged and the committee members particulars are displayed in the website **https://www.psvcet.ac.in/the-grievance-redressal-cell/** in order to utilize affected person for remedy.

2. The Faculty members from departments, who are members of this cell, meet periodically and provide solutions to problems related to the girl students and women employee. The committee invites suggestions from employees for improving the working environment and resolving issues if any. Any grievances/sexual harassment related specific issues are addressed through professional counselling. If required, parents are called and counselled confidentially. The students approach the Cell to voice their grievances regarding academic and non-academic matters. The cell redresses the grievances at individual and class level and grievances of common interest. Students are encouraged to use the suggestion box placed on the campus to express constructive suggestions and grievances.

3. Suggestion Boxes are provided in every building and grievance records are placed at vantage points in the college (including the Library and Hostels) for the students/staff to point out their grievances. Complaints dropped in the Suggestion Box by the students and oral complaints are all redressed. All complaints are scrutinized by the management and the grievance redressal cell. HoD/ Principal/ Director regularly attends to these on daily basis. The college assures students that once a complaint is made, it will be treated with confidentiality.

4. Besides there is an exclusive mechanism address the issues relating to women and their grievances.

Action taken report

S.No.	Grievances	Action taken
1	Library hour to extended up to 7.00pm	Librarian is asked to function the library from 8.00am to 7.00pm.
2	A few staff members voice is not audible to the last bench	HoD's are requested to watch and find out reality in this issues and advised to improve their voice.
3	Gym machine is under repair	Physical Director is requested look into this and rectify it.
4.	Rash driving by the no.5 bus driver	Advised the bus driver to drive safely and carefully

10.1.4 Delegation of financial powers (10)   Institute Marks : 10.00

St.Joan's Educational Trust in the trust meeting conducted on 02.02.2016 passed a resolution authorizing the Chairman to delegate the financial power to the Principal, the HoD's, the Librarian, and the Physical Director. The Chairman has given them approval of financial power to spend for the instructional developmental of Institution.

The Management of our Institution has given financial powers to the Principal and the HoDs to meet out the expenditures arises now and then.

S.No.	Designation	Limit to Sanction (Rs.)
1	Principal	1,00,000/-
2	HoD	25,000/-
3	Librarian	5000/-
4	Physical Director	5000/-

10.1.5 Transparency and availability of correct/unambiguous information in public domain (5)   Institute Marks : 5.00

P.S.V College of Engineering and Technology provides all the in formations regarding the Institutions infrastructural and instructional facilities transparently in the college website: www.psvcet.ac.in to give all the information to the faculties, the students, the alumni, the parents and the public. The following information's have been displayed in the notice board,

- Institutional Vision and Mission
- Department Vision and Mission
- Academic Calendar
- Course Outcomes, Program Outcomes, Program Specific Outcomes and Program Educational Objectives
- Faculty Information
- Entrepreneurship Development Cell
- Communication Skill Development Cell
- Facilities created
    - Computer Centre
    - Hostel
    - Canteen
    - Multi-Gym
    - Sports & Games
    - Transport
    - Library and Internet
    - Yoga Centre
    - Smart Class Room
- Examination Cell
- NIRF
- Placement
- Professional Bodies
- Clubs and Activities
- NSS & YRC
- Womens Empowerment Cell
- Grievance Redressal
- Governing Council Composition and their Minutes
- IQAC Composition and their Minutes
- Audited Statements
- Rules and Regulations

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 2023-24

Total Income 42420000				Actual expenditure(till…): 40859000			Total No. Of Students 1515
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
22253000	15622000	0	4545000	40859000	0	0	26969.64

Table 2 - CFYm1 2022-23

Total Income 71650000				Actual expenditure(till…): 67565000			Total No. Of Students 1291
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
37385000	27165000	0	7100000	67565000	0	0	52335.40

Table 3 - CFYm2 2021-22

Total Income 61755000				Actual expenditure(till…): 56534000			Total No. Of Students 1074
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
34905000	18795000	0	8055000	56534000	0	0	52638.73

Table 4 - CFYm3 2020-21

Total Income 40540000				Actual expenditure(till…): 39909000			Total No. Of Students 635
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
11590000	26410000	0	2540000	39909000	0	0	62848.82

Items	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	Budgeted in 2020-21	Actual Expenses in 2020-21 till
Infrastructure Built-Up	5000000	4200000	6100000	5726000	8500000	7933000	5750000	5656000
Library	600000	575000	1000000	980000	850000	751000	700000	676000
Laboratory equipment	2800000	2761000	2750000	2691000	600000	500000	855000	830000
Laboratory consumables	300000	225000	564000	524000	750000	700000	337000	328000
Teaching and non-teaching staff salary	18100000	18000000	31500000	31051000	30000000	29160000	21000000	20886000
Maintenance and spares	400000	350000	1017000	1003000	750000	702000	600000	599000
R&D	500000	425000	732000	721000	650000	600000	390000	361000
Training and Travel	70000	69000	125000	111000	125000	99000	105000	97000
Department Activities and software	2000000	1949000	1402000	1330000	1300000	1127000	1003000	928000
AICTE, Affiliation, Students Book Note	12650000	12305000	23675000	23428000	15300000	14962000	9800000	9548000
Total	**42420000**	**40859000**	**68865000**	**67565000**	**58825000**	**56534000**	**40540000**	**39909000**

10.2.1 Adequacy of budget allocation (10)   Institute Marks : 10.00

The Buget process is initiated every year by collecting the requirements from

- Heads of Departments
- Heads of all Functional Units
- Estate Maintenance Office

Budget requirements are presented by the Principal for approval in the Governing Body Meeting.

The sanctioned items/services are procured/availed by rising intend for the items then and there with the approval of the Principal. In this process, it is ensured that the approved budget is adequate for the financial year. Any unforeseen expenditure to be incurred over and above the budget is met with the approval from the Management.

10.2.2 Utilization of allocated funds (15)   Institute Marks : 15.00

A. Budget utilization for three years

Year	2023-2024	2022-2023	2021- 2022	2020- 2021
Budget Allocated in Rupees	42420000	68865000	58825000	40540000
Utilized Amount in Rupees	40859000	67565000	56534000	39909000
Percentage of Utilization	**96%**	**98%**	**96%**	**98%**

10.2.3 Availability of the audited statements on the institute's website (5)   Institute Marks : 5.00

The audit statement of the academic years are available in the college website: www.psvcet.ac.in for public information

www.psvcet.ac.in/aso

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 2023-24

935000		Actual expenditure (till…): 826000		Total No. Of Students 200
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
0	935000	0	826000	4130

Table 2 :: CFYm1 2022-23

710000		Actual expenditure (till…): 671000		Total No. Of Students 182
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
0	710000	0	671000	3686.81

Table 3 :: CFYm2 2021-22

565000		Actual expenditure (till…): 485000		Total No. Of Students 158
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
0	565000	0	485000	3069.62

Table 4 :: CFYm3 2020-21

580000		Actual expenditure (till…): 50000		Total No. Of Students 120
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
0	580000	0	50000	416.67

Items	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	Budgeted in 2020-21	Actual Expenses in 2020-21 till
Laboratory equipment	350000	320000	280000	260000	110000	100000	100000	90000
Software	250000	240000	185000	175000	170000	125000	200000	150000
Laboratory consumable	100000	60000	105000	101000	95000	75000	90000	80000
Maintenance and spares	80000	70000	15000	15000	50000	50000	135000	125000
R & D	120000	101000	95000	90000	100000	95000	25000	25000
Training and Travel	15000	15000	15000	15000	15000	15000	15000	15000
Sationaries and Consumables	20000	20000	15000	15000	25000	25000	15000	15000
Total	**935000**	**826000**	**710000**	**671000**	**565000**	**485000**	**580000**	**500000**

10.3.1 Adequacy of budget allocation (10)   Institute Marks : 10.00

Head of Department collects the requirements from the academic and non-academic faculty and calls for the quotations for procuring the lab equipments from the vendors.

HOD prepares the budget for the Department and submits the same to the Principal.

Principal forwards the Department Budget to the Governing Body for discussion and approval.

Finally Governing Body approves the budget.

In this process, it is ensured that the approved budget is adequate for the financial year. Any unforeseen expenditure to be incurred over and above the budget is met with the approval from the Management.

10.3.2 Utilization of allocated funds (20)   Institute Marks : 20.00

Budget utilization for three years

Year	2023-2024	2022-2023	2021- 2022	2020- 2021
Budget Allocated in Lakhs	9.35	7.1	5.65	5.80
Utilized Amount in Lakhs	8.26	6.71	4.85	5.0
Percentage of Utilization	**88%**	**95%**	**86%**	**86%**

10.4 Library and Internet (20)

Total Marks 20.00

Table No.10.4.1(1): Overall library resources details (Academic year wise)

Particulars	Academic Year					
	2023-2024		2022-2023		2021-2022	
Books	Titles	Volumes	Titles	Volumes	Titles	Volumes
Added books	230	1248	191	1400	202	1362
Total	8225	29529	7995	28281	7804	26881
Printed journals	147		123		169	
Magazines	14		15		14	
Subscribed e-journals	i) DELNET ii) J-Gate iii) NDL iv) SWAYAM		i) DELNET ii) NDL iii) SWAYAM		i) DELNET ii) NDL iii) SWAYAM	

Table No.10.4.1(2): Journals(Academic Year : 2023- 2024)

Sl. No.	Departments	No. of Journals
1	Civil engineering	24
2	Computer science and engineering	24
3	Electrical and electronics engineering	12
4	Electronics and communication engineering	24
5	Mechanical engineering	12
6	Information technology	12
7	Humanities and science	3
8	Master of Business Administration	12
9	Artificial Intelligence and Data Science	12
10	Biomedical Engineering	12
	Total	**147**

Table No.10.4.1(3a): Learning Resources (Academic Year : 2023- 2024)

Sl.No.	Learning Resource	Count
1	Magazines	14
2	Back volumes	799
3	News Paper	4

Table No.10.4.1(3b): Resources and Digital Library

Digital library services	Yes
Internet	Yes (100Mbps 1:1)
Total number of computers for public access	30
CD's	160
Availability of e-books	Yes (DELNET, NDL)
Availability of exclusive server	Yes
Availability of Internet/Intranet	Internet (100Mbps)
Availability of Reading Room	Yes
Digital Library provides e-journals access for students and faculty members	J-Gate (https://jgateplus.com/search/login/ (https://jgateplus.com/search/login/)) DELNET (https://discovery1.delnet.in (https://discovery1.delnet.in/)) National Digital Library of India (https://ndl.iitkgp.ac.in (https://ndl.iitkgp.ac.in/)) Swayamprabha (https://swayamprabha.gov.in/index.php/higheredu# (https://swayamprabha.gov.in/index.php/higheredu))
Video Courses	NPTEL Courses, NDL

Number of users per Day	110
Students and faculty members can access the e-journals/e-books using internet of library	

Table No.10.4.1(4): General Information of Library

Library Area	821.40 Sq.m
No. of seats in reading space	75
Number of users per day	110
Library Timing	Working Day : 9 am to 6 pm
	Holiday: 9 am to 1 pm
Bar-coding facility	Yes

Accessibility to Students:

- Printed journals, magazines, Learning materials, reference books, books for competitive examinations and CD's are provided.
- Central computing LAN, internet and digital library facilities are also available.
- OPAC
- E-journal access
- AutoLib
- NPTEL Video access
- News paper
- Lending
- Reprography
- Back volumes
- Book bank
- Question bank
- Current Awareness Services
- Internet access
- Lending

Supports to students for self-learning activities:

- NPTEL Videos
- E-journals access
- E-Books access
- National Digital Library resource access
- Online courses

Book Bank Facility for Students

Those students belonging to SC/ST and economic poor background students are eligible to borrow three books from book bank section and they can keep them for a semester

Library Automation Software

Library materials and services are automated with AutoLib Integrated Library Automation Software. All the transactions are fully computerized. The bar-coded ID and Scanner are used for charging and discharging the books and OPAC facilities also available.

Federated searching tools to search articles in multiple databases

Yes, the library has a large and constantly growing collection of online resources such as NPTEL, e-journals, e-books. These e-resources are accessible anywhere in the campus at any time. We are using campus wide unlimited access.

Information Literacy Trainings:

Every year literacy orientation program is conducted to the fresher's. Organized workshop on Awareness about NDL(National Digital Library).

Library committees:

The library committee is responsible for advising, developing and monitoring policies on information storage and retrieval and other library issues within the institute. The committee provides an opportunity in service provision. The committee members are listed in below table

Table No.10.4.1(6): Library committee

Sl.No.	Library committee members	Designation	Position in the Committee
1.	Dr. P. Lawrence	Chairperson	Principal
2.	Mr. M. Janagan	Convener	Librarian
3.	Mr. S. Shanmugam	Member	AP/ECE
4.	Mr. C. Prakash Narayanan	Member	AP/CSE
5.	Mrs. T. Jhansi Rani	Member	AP/IT
6.	Dr. C. Bhuvaneshwari	Member	AP/EEE
7.	Mr. R. Ravichandiran	Member	AP/MECH
8.	Mrs. S. Kokila	Member	AP/CIVIL
9.	Ms. S. Sowmiya	Member	AP/AI&DS

10.	Mrs. R. Vetriselvi	Member	AP/BME
11.	Ms. S. Sheashayani	Student / ECE	Student Member
12.	Ms. M. YuvaSree	Student / CSE	Student Member
13.	MR. M. Vijay	Student / CSE	Student Member
14.	Ms. L. Sharmila	Student / IT	Student Member
15.	Mr. M. Abishek	Student / IT	Student Member
16.	Mr. S. Pradeep Kumar	Student / MECH	Student Member
17.	Ms. C. Gopika	Student / AI&DS	Student Member
18.	Ms. R. Subalakshmi	Student / CIVIL	Student Member

Fund utilization Procedures for Books, Journals and E-journals

- HOD/Department In-charge/Librarian and library committee finalizes the books, journals and e-journals to be purchased.
- Quotation is requested from the required vendor.
- The vendors send the quotation through sealed cover or email to the librarian.
- After receiving the quotation, it is forwarded to the purchase committee for further processing.
- After discussing with the library committee, librarian communicates with the vendor for negotiation.
- After negotiation, Final purchase order is prepared by librarian with terms and conditions.
- Librarian follows the vendor to ensure timely delivery and informs the same to the library committee.
- Once delivered the condition of the books and journals are verified by the librarian.
- If any damage is found in the delivered books and journals, it is informed to the respective vendor for replacement.
- The details of the purchased books and journals are entered in respective library accession register and stock register.
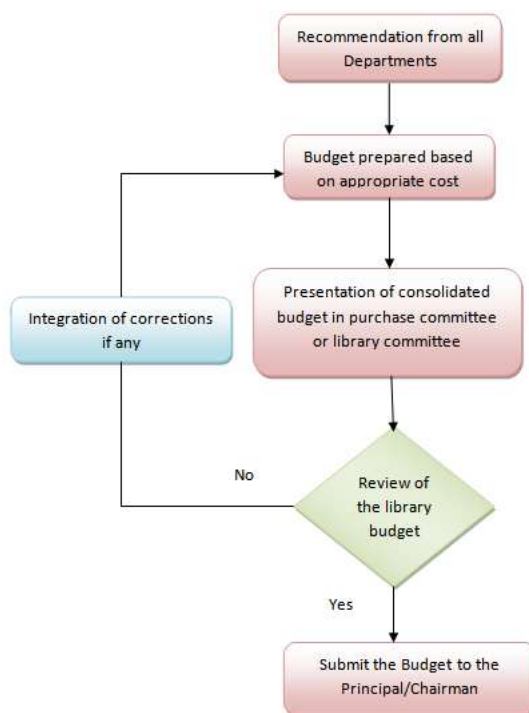- There after the final payment approval is released.

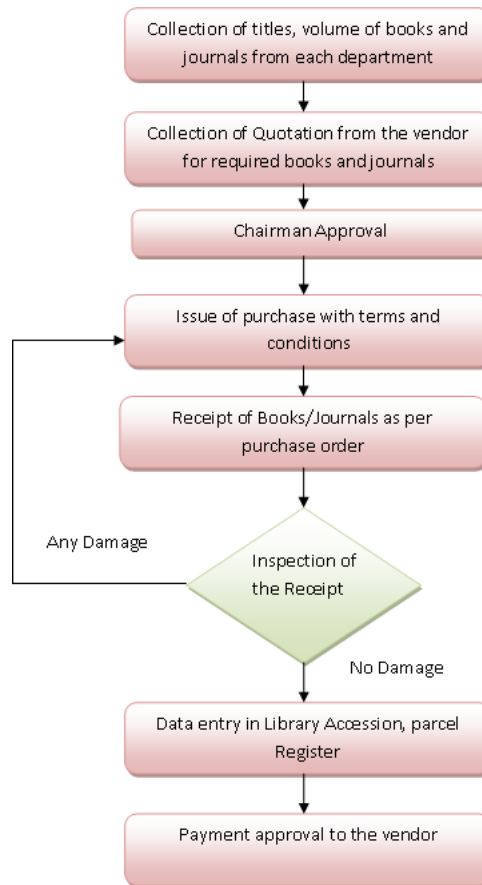**Figure No.10.4.1(1): shows the Library Budget Preparation and Approval Process by the Institution**

Figure No.10.4.1(2): Shows the Library purchase procedure followed in our Institution

Best Practices in PSVCET Library:

- Library Orientation Programmes for all Ist Year students.
- Computerisation for library automation software
- Supporting faculty members and student's research and projects.
- Conduct workshop for students and faculty members
- Getting feedback from students and taking necessary actions

Figure No.10.4.1(3): A One Day Workshop on Awareness about NDL (National Digital Library)
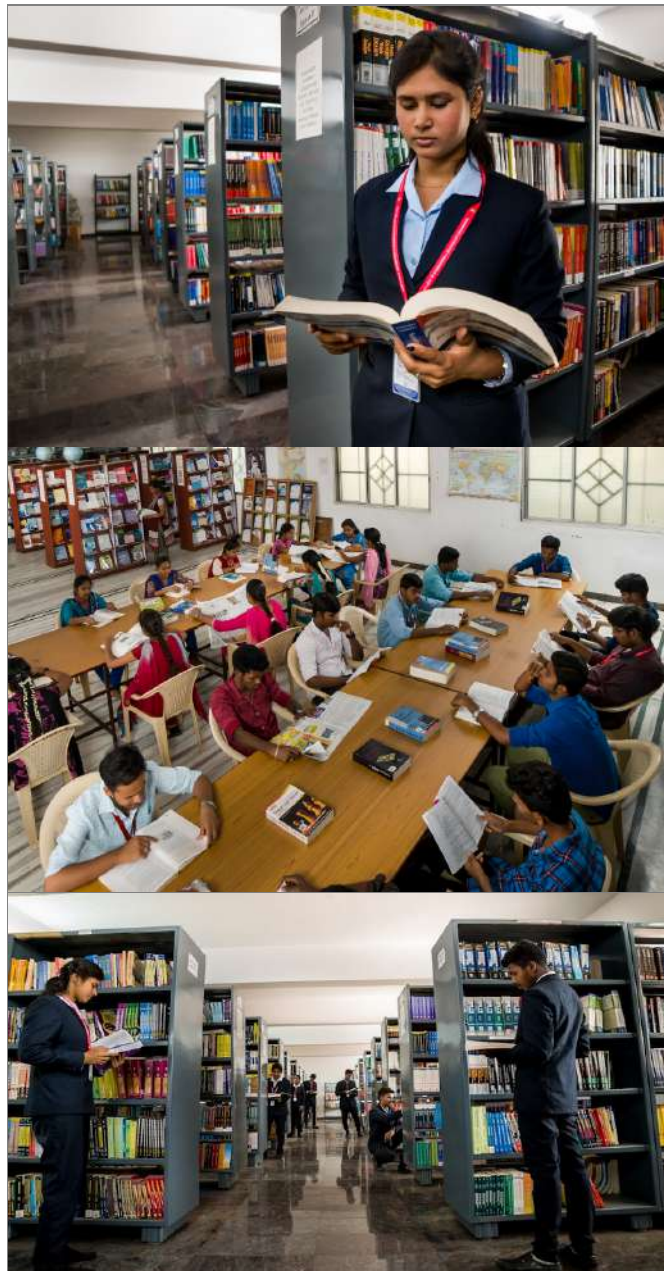

Figure No.10.4.1(4): Internal View of Library

10.4.2 Internet (10)   Institute Marks : 10.00

Name of the Internet provider	Airways Communication
Available band width	100 Mbps
WiFi availability	Campus is enabled with WiFi
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	Firewall Installed

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	To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.
PSO2	To apply software engineering principles and practices for developing quality software for scientific and business applications.
PSO3	To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

Declaration

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

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

Head of the Institute
Name : LAWRENCE.P
Designation : PRINCIPAL
Signature :

Seal of The Institution :

Dr. P. LAWRENCE, M.E., Ph.D.
PRINCIPAL
P.S.V COLLEGE OF ENGINEERING
& TECHNOLOGY
MITTAPALLI, BALINAYANAPALLI Po.
KRISHNAGIRI-DT, 635 108
TAMILNADU.

Place : MITTAPALLI, KRISHNAGIRI
Date : 07-01-2024 12:19:14