DMI COLLEGE OF ENGINEERING

Computer Science and Engineering

Part A : Institutional Information

1   Name and Address of the Institution

DMI COLLEGE OF ENGINEERING,
DMI COLLEGE OF ENGINEERING MEVALURKUPPAM B VILLAGE NAZARETHPET POST PALANCHOOR KANCHIPURAM DISTRICT

2   Name and Address of Affiliating University

3   Year of establishment of the Institution:

2001

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
LOYOLA INSTITUTE OF TECHNOLOGY	2003	B.E/B.TECH/MBA	PALANCHUR
DMI COLLEGE OF EDUCATION	2007	B.Ed	PALANCHUR
ST.JOSEPH RESIDENTIAL SCHOOL	1994	CBSE	SRI PERUMBUDUR
ST.JOSEPH INTERNATIONAL SCHOO	2015	CBSE	KODIKOTTAI
LOYOLA ACADEMY M.H.S.S	2011	MATRIC	TAMBARAM
ST.JOSEPH INTERNATIONAL SCHOOL	2015	CBSE	ARALVOYMOZHI
ST.JOSEPH INTERNATIONAL SCHOOL	2015	CBSE	SALEM
DMI.ST.JOSEPH GOBAL SCHOOL	2016	CBSE	YAHAPURAM
DMI.ST.JOSEPH GOBAL SCHOOL	2016	CBSE	THENKASI
DMI.ST.JOSEPH GOBAL SCHOOL	2017	CBSE	POLIVAKKAM
DMI.ST.JOSEPH GOBAL SCHOOL	2017	CBSE	KEEZHITHANUR
DMI.ST.JOSEPH GOBAL SCHOOL	2020	CBSE	KARAIKAL
LOYOLA INTERNATIONAL SCHOOL	2021	CBSE	PALANCHUR

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	2001	2001	60	Yes	120	Granted accreditation for 3 years for the period (specify period)	2022	2025	Yes	4
M.E. Computer Science and Engineering	PG	2007	2007	24	Yes	18	Not eligible for accreditation	--	--	No	2

8   Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Information Technology
2	Under Graduate	Engineering & Technology	Mechanical Engineering
3	Under Graduate	Engineering & Technology	Computer Science and Engineering
4	Under Graduate	Engineering & Technology	ELECTRONICS AND COMMUNICATION ENGINEERING

9   Total number of employees in the institution:

A. Regular* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	42	42	36	36	31	31
Faculty in Engineering (Female)	45	45	45	45	46	46
Faculty in Maths, Science & Humanities (Male)	9	9	10	10	12	12
Faculty in Maths, Science & Humanities (FeMale)	14	14	18	18	17	17
Non-teaching staff (Male)	12	12	13	13	13	13
Non-teaching staff (FeMale)	9	9	9	9	10	10

B. Contractual* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	0	0	0	0	1
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (FeMale)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (FeMale)	0	0	0	0	0	0

10   Total number of Engineering Students:

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

Engineering and Technology- UG Shift-1

Items	2024-25	2023-24	2022-23
Total no. of Boys	895	850	823
Total no. of Girls	517	443	412
Total	1412	1293	1235

Engineering and Technology- PG Shift-1

Items	2024-25	2023-24	2022-23
Total no. of Boys	11	8	6
Total no. of Girls	6	3	13
Total	17	11	19

Engineering and Technology- MBA Shift-1

Items	2024-25	2023-24	2022-23
Total no. of Boys	39	50	61
Total no. of Girls	42	64	52
Total	81	114	113

11   Vision of the Institution:

VISION OF THE INSTITUTE

To become an internationally reputed institution by producing competent professionals with exemplary skills and ethical values.

12   Mission of the Institution:

MISSION OF THE INSTITUTE

IM 1: To achieve higher level technological and professional excellence.

IM 2: To impart quality and holistic professional education.

IM 3: To train professionals to be entrepreneurs and employment generators.

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

Head of the Institution	
Name	Dr SUJATHA JAMUNA ANAND
Designation	PRINCIPAL
Mobile No.	9444405820
Email ID	principal@dmice.ac.in

☑ **NBA Coordinator, If Designated**

Name	Dr.R SENTHIL RAMA
Designation	ASSOCIATE PROFESSOR
Mobile No.	9042948009
Email ID	iqac@dmice.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	100.03
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	168.60
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	43.10
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	**1000**	**912**

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	**VISION OF THE INSTITUTE** To become an internationally reputed institution by producing competent professionals with exemplary skills and ethical values.
Mission of the institute	**MISSION OF THE INSTITUTE** **IM 1:** To achieve higher level technological and professional excellence. **IM 2:** To impart quality and holistic professional education. **IM 3:** To train professionals to be entrepreneurs and employment generators.
Vision of the Department	To produce competent young computer engineers and entrepreneurs with ethical values, for making nation bloom into a hub of excellence.
Mission of the Department	<table><tr><th>Mission No.</th><th>Mission Statements</th></tr><tr><td>M1</td><td>To create updated technocrats for the ever-growing industry by cultivating mathematical foundations and computer concepts.</td></tr><tr><td>M2</td><td>To facilitate the students to elicit more creativity by using modern tools and technologies to become a successful entrepreneur and researcher.</td></tr><tr><td>M3</td><td>To inculcate the strength of ethical standards contributing to the benefit of the society.</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	Core Competency with Employability Skills: To offer students a solid establishment in mathematical, logical and engineering basics necessary to plan, solve and analyze engineering problems and to prepare them for employability opportunities.
PEO2	Promote Higher Education and R & D: To prepare graduates to contribute to the development of the next generation of information technology through research and lifelong learning.
PEO3	Inculcating Entrepreneurial Skills: To prepare the students to be a successful team player and raise them as effective entrepreneurs in social and industrial environment.
PEO4	Ethical Values: To inculcate ethical values in students on both professional and personal practices.

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

PEO No.	Program Educational Objectives Statements
PEO1	Core Competency with Employability Skills: To offer students a solid establishment in mathematical, logical and engineering basics necessary to plan, solve and analyze engineering problems and to prepare them for employability opportunities.
PEO2	Promote Higher Education and R & D: To prepare graduates to contribute to the development of the next generation of information technology through research and lifelong learning.

Institute Marks : 10.00

Publication and dissemination of Vision, Mission and PEO's

- The College Website www.dmice.ac.in (http://www.dmice.ac.in/)
- E-Mail Communication
- FeedBack Forms
- College Notice Board
- Placement Office
- Principal Room
- Department Notice Board
- Department Corridor
- Department Library
- HOD Room
- Staff Room
- Class Room
- Department Laboratory
- Department News Letter
- Department Magazine
- Social Media
- Department Web page
- Academic Calendar
- Laboratory Manuals
- Faculty Course files
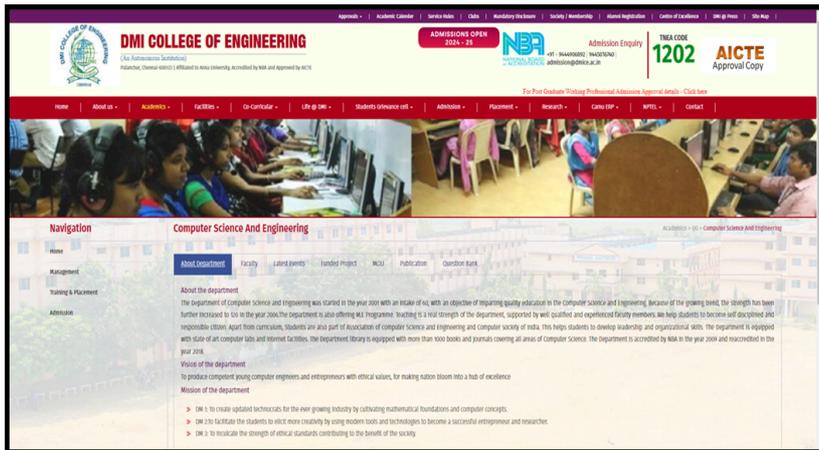- Guest lecturers, seminars.

Figure 1.1. Dissemination of Vision, Mission and PEOs in Department Library Classroom and Website.

Process of Dissemination among Stakeholders:

The stake holders of the program are listed in the Table 1.1. The Stakeholders focus on producing competent professionals, fostering excellence in computer engineering, and emphasizing continuous learning and communication skills to prepare graduates for success in diverse environments. Table 1.2 depicts the committees and activities for promoting awareness of Vision and Mission with Stakeholders.

Table 1.1 - Stake holders of the program

S. No	Stake Holders	Description
1	Faculty	The knowledge and expertise of the faculty are used to improve program quality by giving predictive inputs and enable the reduction of gap between programme and industry expectations.
2	Students	• The students are the immediate beneficiary who plays the most prominent role in the programme. • The feedback given by the students is considered to aid innovative teaching and learning methodologies.
3	Alumni	• Alumni are the long term stake holders of the institution. • They indicate the gap between the abilities of the graduates and expected skills of the industry and research organization.
4	Employers	• Employers are the major opportunity provider for our graduates. • They can define the expected proficiencies of the graduates through their feedback about the graduates who have taken up job, higher studies or research. • Employer feedback are also received during on campus drive and HR meet.
5	Parents	• The feedback from the parents is considered solely to prepare their ward to become a successful graduate.
6	Members of Professional bodies/Academic Peers	• Academic peers can give input to improve the teaching Learning Process.
7	Management	• The management supports the complete system by providing a conducive environment so that the needs/ demands of each stakeholder, mission and vision of the department can be achieved.

Table 1.2 - Committees and Activities for promoting Awareness of Vision and Mission with Stakeholders

S. No	Committee Activities	Stakeholders	Duration
1	**Department Advisory Committee (DAC)**	Faculty, Students, Alumni, Employers, Parents, Members of Professional bodies/Academic Peers, Management	Once in a Year
2	**Parent- Teacher Association**	Faculty, Parents	Once per Semester
3	**Alumni Meet**	Faculty, Alumni	Annually
4	**Industry Interaction**	Employers, Faculty, Students	Adequate
5	**Induction Program for Fresher**	Students	At the beginning of the Academic Year
6	**Faculty Orientation Program**	Faculty	At the beginning of the Academic Year
7	**Benchmark Meeting**	Faculty	Periodically

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

Institute Marks : 25.00

According to the curriculum prescribed by the university, institution vision and mission, societal needs, industrial thirst, faculty competency, Program Outcome (PO) and the available resources the Vision, Mission were established. The processes for the establishment of Vision and Mission are as follows:

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

Step 1: Vision and Mission of the institute are taken as basis.

Step 2: Vision and Mission of the department are defined by making interaction with various Stake-holders during Program Assessment Committee(PAC) and reviewed by Department Advisory Committee(DAC) Meeting.

Step 3: The Vision and Mission are approved by Internal Quality Assessment Cell (IQAC).

Step 4: The finalized form of Vision and Mission are disseminated in various forums.

Step 5: Mission are periodically reviewed by DAC members.
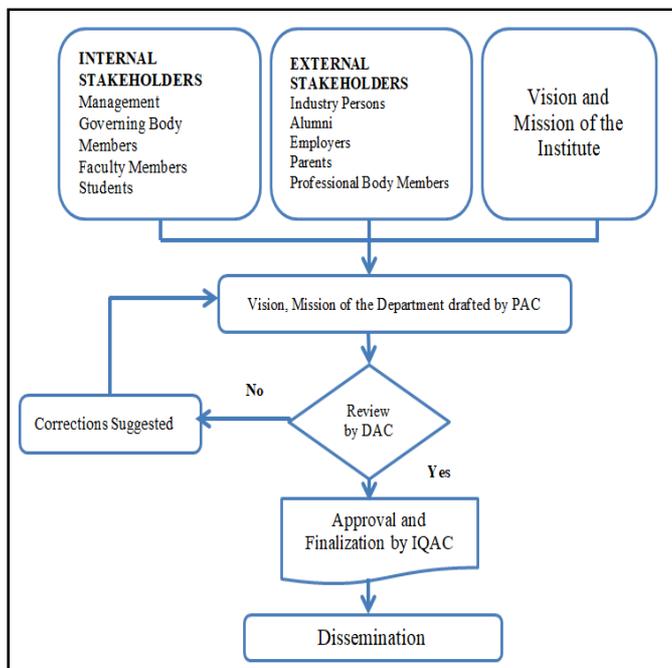
Figure 1.2 - Process of defining Vision and Mission

B. Description of process involved in defining the PEOs of the program.

The program educational objectives (PEOs) were formulated / reviewed through a consultative process among faculty members, alumni representatives, Industry experts, Training experts and Departmental Academic Advisory Committee. The PEOs are established through the following steps:

Step 1: Vision and Mission of the Department are taken as basis.

Step 2: PEOs of the department are drafted by PAC through the discussions with various Stake-holders.

Step 3: Drafted PEOs are reviewed by DAC and approved by IQAC.

Step 4: The finalized form of PEOs are disseminated in various forums.

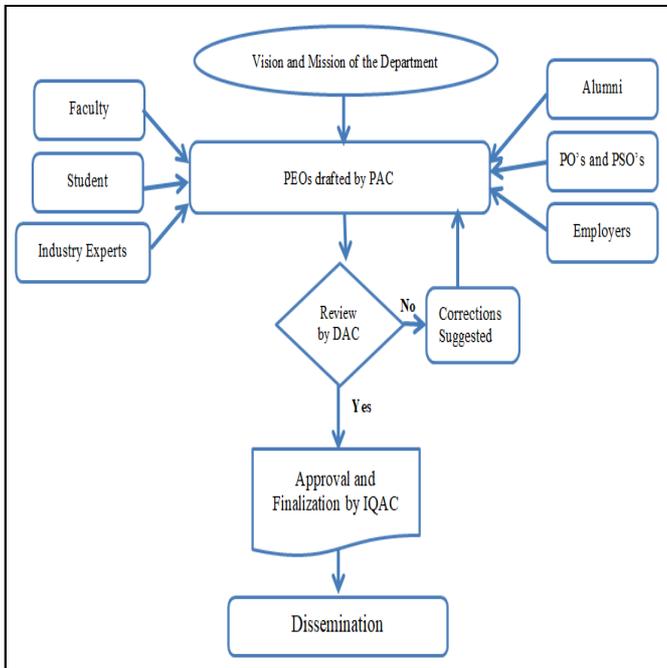**Step 5:** PEOs are periodically reviewed by DAC members.

Figure 1.3 - Process of defining the PEOs

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

Institute Marks : 15.00

The program educational objectives are designed to produce graduates who will be well educated in the fundamental concepts of mathematical, Computer engineering principles, and moreover, will be able to continue professional development throughout their life. Due to, economic globalization and interdisciplinary teaming, the communication skills are becoming important increasing qualitative parameter, as such we prepare graduates to function responsibly in diverse environment, and prepare them to be successful graduates to face the today's job market. From the above mapping, we have inferred that the defined Program Educational Objectives are consistently connected with all the mission statements developed by the department.

Table 1.3 - Correlation parameter of consistency matrix

CONSISTENCY	RELATIONSHIP	JUSTIFICATION
PEO-I VS DM-1	3	Sound fundamental knowledge in Computer Engineering substantially improves quality of technical education.
PEO-I VS DM-2	3	The fundamental knowledge helps at some extent in developing of professional potential in terms of sharing the knowledge and Dissemination.
PEO-I VS DM-3	2	Fundamental knowledge of analyzing the problems helps to compete in today's market and lifelong learning.
PEO-II VS DM-1	3	Quality technical education in the field of Computer Science and engineering provides the huge opportunities in multi-disciplinary projects.
PEO-II VS DM-2	3	Professional potential creates the more opportunities substantially to work as a part of teams of multi-disciplinary projects and Discoveries.
PEO-II VS DM-3	2	Competency level and lifelong learning emphasize opportunities to work with multi-disciplinary projects and discoveries.
PEO-III VS DM-1	2	Quality technical education in the field of Computer engineering will influence moderately on promoting awareness of lifelong Learning.
PEO-III VS DM-2	3	Life-long learning and codes of professional practice strongly relates with professional Potential.
PEO-III VS DM-3	3	Awareness of life-long learning and codes of professional practice helps to compete strongly in today's market.
PEO-IV VS DM-1	2	Quality of technical education shows significant improvement in successful careers of the students.
PEO-IV VS DM-2	2	Successful career of the student depends on the professional potential in terms of Knowledge.
PEO-IV VS DM-3	3	Competency skill of the students strongly relates with meeting the demands in the market.

PEO Statements	M1	M2	M3
Core Competency with Employability Skills: To offer students a solid establishment in mathematical, logical and engineering basics necessary to plan, solve and analyze engineering problems and to prepare them for employability opportunities.	3	3	2
Promote Higher Education and R & D: To prepare graduates to contribute to the development of the next generation of information technology through research and lifelong learning.	3	3	2
Inculcating Entrepreneurial Skills: To prepare the students to be a successful team player and raise them as effective entrepreneurs in social and industrial environment.	2	3	3
Ethical Values: To inculcate ethical values in students on both professional and personal practices.	2	2	3

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (120)

Total Marks 120.00

2.1 Program Curriculum (20)

Total Marks 20.00

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

Institute Marks : 10.00

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

The DMI College of Engineering is affiliated under Anna University, Chennai. So the programmed curriculum is as per the scheme and syllabus of affiliated university. The curriculum comprises of General, Basic Sciences and Professional Subjects related to Computer Science and Engineering. The department takes proactive measures to bridge any gaps identified in the curriculum provided by the affiliated university concerning POs (Program Outcomes) and PSOs (Program Specific Outcomes), ensuring the necessary knowledge is effectively imparted. The four additional components that complement the core curriculum are,

1. **Bridge Courses:** These are entry-level courses designed for first-year students to help them transition smoothly into the academic program.
2. **Content beyond Syllabus:** Additional theoretical topics, Laboratory experiments and Case studies are given to extend the understanding of a particular concept beyond the boundaries of the syllabus.
3. **Value-added course:** This involves Workshops, value-added courses offered through the institutions Centre of Excellence and MOOCs Courses.
4. **Other Activities:** These include Seminars, Guest Lectures and Industrial Visits for students to gain practical exposure and industry insights.
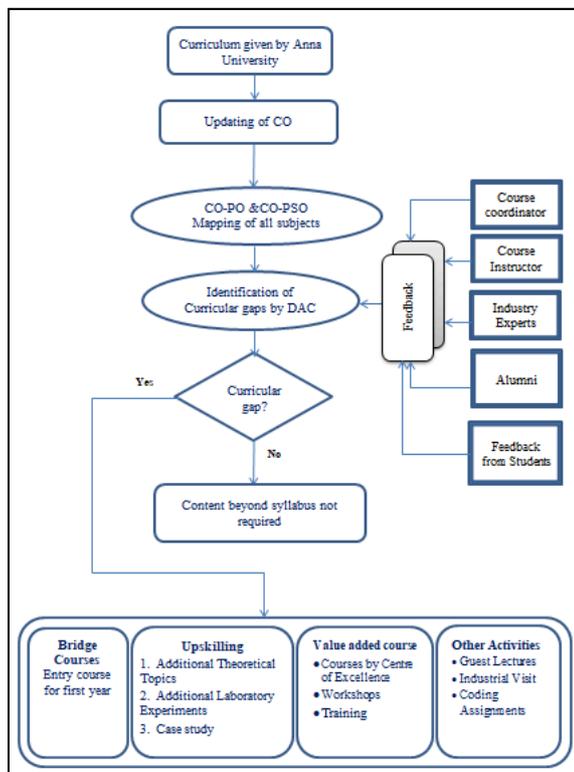
Figure 2.1- Process of Identifying Curriculum Gap and the Action taken

COMPONENTS OF CURRICULUM

Regulation 2021

Components	Credits	Percentage
Humanities and Social Science	12	7.4
Basic Sciences	25	15.4
Engineering Sciences	18	11.1
Professional Core	61	37.6
Professional Electives	18	11.1
Open Electives	12	7.4
Employability Enhancement Courses	16	10
Total	162	100

Regulation 2017

Components	Credits	Percentage
Humanities and Social Science	14	7.6
Basic Sciences	31	16.8
Engineering Sciences	23	12.5
Professional Core	82	44.5

Professional Electives	15	8.1
Open Elective	6	3.3
Employability Enhancement Courses	14	7.6
Total	185	100

B) Curricular gaps for the attainment of defined POs & PSOs

Table 2.1 and 2.2 depicts the curricular gaps identified in Anna University Curriculum according to Regulation 2021 and Regulation 2017 respectively.

Table 2.1 - Curricular gaps for Regulation 2021

S.NO	SEM	SUBJECT	GAPS IDENTIFIED	RELAVANCE TO POs AND PSOs
1	I	Problem Solving and Python Programming	Objected Oriented Programming concepts and web frameworks should be introduced in alignment with industry practices.	PO: 1,2,3,5 and PSO: 3
2	IV	Artificial Intelligence and Machine Learning	Missing discussion on modern AI problem-solving frameworks in Neural Networks.	PO: 1,2,3,4,5 and PSO: 3
3	V	Cryptography and Cyber Security	Limited knowledge on practical implementation of cryptography algorithms and cyber security tools	PO: 1,2,3,4,5 and PSO: 3
4	V	Augmented Reality and Virtual Reality	Need for hands-on access to emerging wearable devices, along with the essential development platforms.	PO: 1,2,3,5 and PSO: 3
5	VI	Embedded Systems and IoT	Need for collaborative exploration of Machine Learning techniques and applications, like IoT devices with ML	PO: 1,2,3,4,5,6,7 and PSO: 2,3
6	VI	UI and UX Design	The curriculum does not address current trends like designing for voice UI (VUI) and AI-driven designs.	PO: 1,2,3,5 and PSO: 3

Table 2.2 - Curricular gaps for Regulation 2017

S.NO	SEM	SUBJECT	GAPS IDENTIFIED	RELAVANCE TO POs AND PSOs
1	I	Problem Solving and Python Programming	Lack of practical exposure on Data Science concepts	PO: 1,2,3,5 and PSO: 3
2	VI	Artificial Intelligence	Need of collaborative exploration of Machine Learning techniques and applications	PO: 1,2,3,4,5 and PSO: 2,3
3	VII	Cloud Computing	Lack of exposure to real-world cloud network configurations and management	PO: 1,2,3,5 and PSO: 3
4	IV	Operating Systems Laboratory	Basic concepts of Shell Programming was identified as a gap	PO: 1,2,3 and PSO: 2
5	VI	Mobile Application Development Laboratory	The curriculum does not include cross-platform frameworks, which would allow students to develop apps for multiple platforms using a single codebase.	PO: 1,2,3,4,5,6,7 and PSO: 2,3
6	VI	Computer Networks	The curriculum does not mention the use of hardware-based network monitoring tools like wireshark, which are critical in understanding real-time network performance.	PO: 1,2,3,5 and PSO: 3

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

Institute Marks : 10.00

A. Steps taken to get identified gaps included in the curriculum:

The department has initiated the following measures to bridge the identified curricular gaps.

- **Industry-Academia Collaboration:** We have established partnerships with leading companies in the field to co-design and co-teach courses that address current industry needs, ensuring our curriculum stays relevant.

  1. **Guest lecturers:** More Experts from industry and academia are invited to deliver lectures on the latest trends and thrust areas.
  2. **Technical talk:** Students are kept updated about the advances in technologies through technical seminars.
  3. **Workshops:** The department encourages the students to participate in hands-on workshops, thereby enhancing their application skills.
  4. **Industrial visits:** Visits to industries of repute are organized to keep the students abreast with practical knowledge.

- **NPTEL video lectures:** Faculty members and students are encouraged to take NPTEL courses.
- **University consideration:** Communication letter is sent to Anna university authorities to take appropriate step in the process of addressing the identified curricular gaps. This letter serves as a formal channel to convey our departments observations, recommendations, and suggestions for curricular modifications and updates.
- **Alumni Engagement:** We actively involve our successful alumni in curriculum review meetings, leveraging their industry experience to identify and bridge curricular gaps.

2023-24

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Lack of exposure to real-world cloud network configurations and management	Conducted one month Certificate course on Cloud	07/02/2024	ICT Academy & Paypal India	100	PO: 1,2,3,12 PSO: 1,2,3
2	Missing discussion on modern AI problem-solving frameworks in Neural Networks.	Conducted Webinar on "Neural Networks"	07/06/2024	Mrs.J.Savija, Assistant Professor, Velammal Engineering College	85	PO: 1,2,3,12 PSO: 1,2,3
3	Limited knowledge on practical implementation of cryptography algorithms and cyber security tools.	Conducted Seminar on "Introduction to Cyber Security"	25/05/2024	Mr.Sandiyo Chrristan, (Alumni) Application Security Engineer, Avasoft, Chennai	86	PO: 1,2,3,5,6,7,12 PSO: 1,2,3
4	Lack of exposure to real-world cloud network configurations and management.	Conducted Webinar on "Microsoft Azure"	13/04/2024	Mr.Varun Rajan, Principal Architect, LTIMINDTREE, Bangalore	89	PO: 1,2,3,6,7,12 PSO: 1,2,3
5	The curriculum does not include cross-platform frameworks, which would allow students to develop apps for multiple platforms using a single codebase.	Conducted Seminar on "Full Stack Development"	23/02/2024	Mr R.David Samuel, (Alumni), Senior Systems Engineer, Infosys, Chennai	95	PO: 1,2,3,5 6,7,12 PSO: 1,2,3
6	The curriculum does not address current trends like designing for voice UI (VUI) and AI-driven designs.	Conducted 2 days Workshop on "UI&UX Design"	08/11/2023	Anipix Academy, Chennai	85	PO: 1,2,3,4,5,6,9,11,12 PSO: 1,2,3
7	Need for hands-on access to emerging wearable devices, along with the essential development platforms.	Conducted 2 days Workshop on "Augmented Reality and Virtual Reality"	17/10/2023	Mr. Gokula Krishnan, Game Developer, Scopik Edutech Pvt Ltd, Chennai	89	PO: 1,2,3,5 6,7,10,11,12 PSO: 1,2,3
8	Need for collaborative exploration of Machine Learning techniques and applications, like IoT devices with ML.	Conducted Seminar on "AI in Drone Technologies"	05/09/2023	Mr. Jehoshaphat, (Alumni), CEO, Insysness Technologies Pvt Ltd, Chennai	85	PO: 1,2,3,5,12 PSO: 1,2,3
9	Limited knowledge on practical implementation of cryptography algorithms and cyber security tools.	Conducted Seminar on "Cyber Security tools"	25/08/2023	Ms. Shobana M, Technical Head, NIIT Ltd, Chennai	92	PO: 1,2,3,12 PSO: 1,2,3

2022-23

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	The curriculum does not address current trends like designing for voice UI (VUI) and AI-driven designs.	6 month Certificate Course on "Google UX Design"	01/06/2022	Courera (Google Certification course)	86	PO: 1,2,3,4,56,7,11,12 PSO: 1,2,3
2	Need for collaborative exploration of Machine Learning techniques and applications, like IoT devices with ML	Conducted 2 Days Workshop on "Internet of Things"	16/02/2023	Mr. Mohanasankar, Mr. Jeyaraj, Developer, Pantech Solutions, Chennai	89	PO: 1,2,3,4,56,7,11,12 PSO: 1,2,3
3	Objected Oriented Programming concepts and web frameworks should be introduced in alignment with industry practices.	Conducted 2 days Workshop on "Python Web Application Framework"	14/11/2022	Dr. Nagaraju, Assistant Professor, Department of CSE, NIT Nagaland	90	PO: 1,2,3,5,6.7,11,12 PSO: 1,2,3
4	Need for hands-on access to emerging wearable devices, along with the essential development platforms.	Conducted 2 days Workshop on "Augmented Reality and Virtual Reality"	28/09/2022	Mr. Ramesh Kumar, Developer, ARK Info Solutions, Bangalore	95	PO: 1,2,3,4,5,6,7,11,12 PSO: 1,2,3
5	Need for hands-on access to emerging wearable devices, along with the essential development platforms.	Conducted 2 days Workshop on "Augmented Reality and Virtual Reality"	05/08/2022	Dr. B. Sathyabama, Professor and Head, Department of CSE, Sona College of Engineering, Ms. T.K Revathi, Research scholar, Department of CSE, Sona College of Engineering	95	PO: 1,2,3,4,5,6,7,11,12 PSO: 1,2,3
6	Need for hands-on access to emerging wearable devices, along with the essential development platforms.	Conducted 2 days Workshop on "Augmented Reality and Virtual Reality"	10/06/2022	Mr. Rahul, Developer, Fusion VR, Chennai	89	PO: 1,2,3,4,5,6,7,11,12 PSO: 1,2,3
7	Need of collaborative exploration of Machine Learning techniques and applications	Conducted Seminar on "Machine Learning"	06/02/2023	Ms. Ganga, Developer, Retech Solutions, Chennai	86	PO: 1,2,3,12 PSO: 1,2,3
8	The curriculum does not include cross-platform frameworks, which would allow students to develop apps for multiple platforms using a single codebase.	Conducted Seminar on "Trending Technology in the IT Industry"	29/10/2022	Mr. G. Ulaganathan, Lead- Technical Training, One Data Solutions, Chennai	89	PO: 1,2,3,12 PSO: 1,2,3

2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Data Science concepts should be introduced in alignment with industry standards.	Conducted 2 days Workshop on "Machine Learning"	30/05/2022	Mr.J.Saravanakumar, Director, Futuro Focus, Chennai	50	PO: 1,2,3,5,6,7,11,12 PSO: 1,2,3
2	The curriculum does not include cross-platform frameworks, which would allow students to develop apps for multiple platforms using a single codebase.	Conducted Workshop on "Full Stack Development"	22/10/2021	Ms.R. Kiruthika Software Developer, Uniq Technologies, Chennai	80	PO: 1,2,3, 5,12 PSO: 1,2,3
3	The curriculum does not mention the use of hardware-based network monitoring tools like wireshark, which are critical in understanding real-time network performance.	Conducted Seminar on "Computer Hardware And Networking"	10/05/2022	Mr. Kannan, Dean Academic & Mr. M. Sureshkumar, Security Professional, Beeja Academy, Chennai	78	PO: 1,2,3,5,12 PSO: 1,2,3
4	Need of collaborative exploration of Machine Learning techniques and applications	Conducted Webinar on "Roadway For Machine Learning"	12/04/2022	Mr. Saravanakumar, Director, Futuro Focus, Chennai	78	PO: 1,2,3,5,12 PSO: 1,2,3
5	Lack of practical exposure on Data Science concepts	Conducted Seminar on "Data Science Using Python"	19/03/2022	Mr. R. Kiruthika, Software Developer, Uniq Technologies, Chennai	72	PO: 1,2,3,5,12 PSO: 1,2,3
6	Need of collaborative exploration of Machine Learning techniques and applications	Conducted Webinar on "Machine Learning With Python Programming"	08/10/2021	Ms. F. Valli, Tech Mentor and Programming Trainer, NIIT Chennai	86	PO: 1,2,5,12 PSO: 1,2,3
7	Lack of practical exposure on Data Science concepts	Conducted Webinar on "Current Trends and Its Application Using Machine Learning"	12/06/2021	Dr. J. Arulvelan, HOD of Data Science, NIT Nagaland	85	PO: 1,2,3,5, 12 PSO: 1,2,3
8	Objected Oriented Programming concepts and web frameworks should be introduced in alignment with industry practices.	Conducted Webinar on "Python Web Application Framework"	01/11/2021	Mr. R. Saravana Srinivasan, Project Lead, TCS, Chennai	80	PO: 1,2,3,5,6.7,11,12 PSO: 1,2,3

2.2 Teaching - Learning Processes (100)   Total Marks 100.00

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

Institute Marks : 25.00

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

Institute Marks : 25.00

A) Adherence to Academic calendar

The academic calendar is our educational roadmap, meticulously crafted to align with Anna Universitys timeline. This comprehensive document outlines all key events like class start dates, exam periods, workshops, seminars, and holidays. (We distribute it to every student on the first day of the odd semester / It is displayed on the Notice Board to ensure every individual of the department has the clear view of the Academic year ahead). This early communication helps students plan effectively, balancing study time, project work, and personal commitments. The calendar also guides faculty in pacing their teaching and scheduling assessments. Important events such as orientation programs, cultural festivals, sports events, and guest lectures are typically included in the academic calendar. Adhering to these dates ensures that students and faculty can participate and make the most of these co-curricular and extracurricular activities. Figure 2.2 illustrate the process of preparing Academic Calendar.
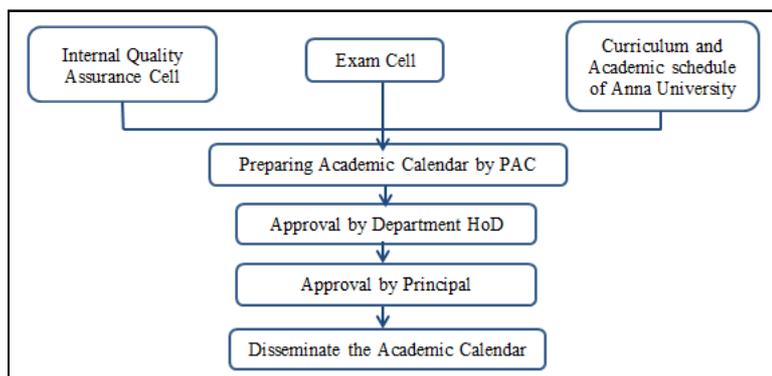

Fig 2.2 - Process of preparing Academic Calendar

B) Use of various instructional methods and pedagogical initiatives

We have fundamentally transformed our teaching-learning process to embrace a dynamic, student-centric approach. Our educational methodology goes beyond traditional classroom instruction to create an engaging, interactive learning environment that prepares students for real-world challenges. Our educational framework integrates three key dimensions of learning:

Experiential Learning

- **Laboratory Experiments**
- **In-plant Training**
- **Industrial Visit**
- **Project work**

Participatory Learning:

- **Seminars**
- **Conferences**
- **Symposium**
- **Role play**
- **Debates**
- **Technical Club Activities**
- **NPTEL**
- **Flipped Learning**

Problem Solving Methods

- **MCQs**
- **Hackathons**
- **Case Study**

Online Courses

- **NPTEL Videos**
- **Karma**
- **Courserra**

Experiential Learning

1. Laboratory Experiments:

Besides the regular laboratory coursework, our institution conducts extra experiments to provide students with practical knowledge beyond the standard curriculum. These project-oriented experiments help students to develop a deeper understanding of the subject matter and its real-world applications. A sample laboratory experiment details are given below.

CS3491 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (R-2021)

Syllabus:

UNIT I   PROBLEM SOLVING

Introduction to AI - AI Applications - Problem solving agents – search algorithms – uninformed search strategies – Heuristic search strategies – Local search and optimization problems – adversarial search – constraint satisfaction problems (CSP).

UNIT II   PROBABILISTIC REASONING

Acting under uncertainty – Bayesian inference – naïve bayes models. Probabilistic reasoning – Bayesian networks – exact inference in BN – approximate inference in BN – causal networks.

UNIT III   SUPERVISED LEARNING

Introduction to machine learning – Linear Regression Models: Least squares, single & multiple variables, Bayesian linear regression, gradient descent, Linear Classification Models: Discriminant function – Probabilistic discriminative model - Logistic regression, Probabilistic generative model – Naive Bayes, Maximum margin classifier – Support vector machine, Decision Tree, Random forests.

UNIT IV   ENSEMBLE TECHNIQUES AND UNSUPERVISED LEARNING

Combining multiple learners: Model combination schemes, Voting, Ensemble Learning - bagging, boosting, stacking, Unsupervised learning: K-means, Instance Based Learning: KNN, Gaussian mixture models and Expectation maximization

UNIT V   NEURAL NETWORKS

Perceptron - Multilayer perceptron, activation functions, network training – gradient descent Optimization – stochastic gradient descent, error back propagation, from shallow networks to deep networks –Unit saturation (aka the vanishing gradient problem) – Re LU, hyper parameter tuning, batch normalization, regularization, dropout

Table: 2.3 – Sample experiment - Beyond the Syllabus

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING – CS3491	
Title	Object Detection
Domain	Artificial Intelligence
Language	PYTHON
Algorithm	YOLO
Description	Object detection is used to detect objects in images and video at 45 to 60 frames per second.

2. Internship

Our institution offers internships and in-plant training to provide students with practical knowledge and real-world work experience. We collaborate with industry leaders such as Capgemini, Flextronics Technologies Pvt. Ltd., Madras Radiators and Pressings Limited, and others to offer opportunities to our students.

Table 2.4 - Summer Internship Program for the Academic Year 2023-24

CLASS	NO. OF STUDENTS PARTICIPATED
II CSE	44
III CSE	90
IV CSE	76

Table 2.5 - Notable Industry

S.No	Notable Compaines
1	Re Tech
2	AK Infopark
3	DLK career Development
4	Mirror Box Design Lab
5	progronz technology
6	pantech
7	Dexterity Edtech
8	shiash info tech
9	Mallikarjuna Infosys
10	Global Technologies
11	Zeedup

3. In-plant Training:

In-plant training is a powerful form of Experiential Learning that takes our students out of the classroom and places them directly on operational tech facilities. In-plant training immerses students in the physical spaces where technology meets data processing, or industrial control. These in-plant experiences uniquely blend software with physical systems, showing students how code translates into tangible, industrial outcomes. A sample of inplant training details are given in table 2.6

Table 2.6 - Sample In-Plant Training Details for Academic Year 2022-2023

S. No	Register No.	Students Name	Company Name	Duration (From-To)	Specialization
1	210519104095	SHRUTHI J	AVASOFT	01.12.2022 to 01.02.2023	Big Data Analytics

2	210519104074	PREETHI SALO	JOY TECHNOLOGIE	12.10.2022 to 31.12.2022	Digital Marketing
3	210519104040	JERRY HANOCK	UNLIMITED INNOVATION	01.02.2023 to 31.05.2023	Machine Learning
4	210519104061	MOHAMMED AFTHAF M	UNLIMITED INNOVATION	01.02.2023 to 31.05.2023	Machine Learning
5	210519104097	SIVARANJANI	JOY TECHNOLOGIE	12.10.2022 to 31.12.2022	Digital Marketing
6	210519104086	SANDHYA S	AVASOFT	01.12.2022 to 01.02.2023	Cloud
7	210519104005	ABINESH R	AVASOFT	01.12.2022 to 01.02.2023	Big Data Analytics
8	210519104078	RAYMOND RAJ	AVASOFT	01.12.2022 to 01.02.2023	Cloud
9	210519104087	SANDIYO CHRISTAN A	AVASOFT	01.12.2022 to 01.02.2023	Data Science
10	210519104101	STALIN SACRATES	AVASOFT	01.12.2022 to 01.02.2023	Cloud
11	210519104067	NIKITTA JOSHIE	TVM INFOTECH PVT LTD	20.03.2023 to 20.06.2023	Cloud
12	210519104044	JOE NEWMAN	CLIQ SOLUTION	17.03.2023 to 17.06.2023	Data Science
13	210519104093	SENBAGA VALLI MADHUMITHA R	TVM INFOTECH	20.03.2023 to 20.06.2023	Cloud
14	210519104069	PAVATHARAN	TVM INFOTECH	20.03.2023 to 20.06.2023	Cloud

4. Industrial Visit:

Industrial visits are a key component of our Experiential Learning strategy, offering students a first-hand glimpse into the tech industrys inner workings. The Department plan and organize industrial visits or field visits for students to gain practical exposure in their core field of study. These visits may include industries such as manufacturing, technology, or any other relevant industry related to the student's area of study. A sample list of Industrial visits conducted for students are listed in Table 2.7.

Table 2.7 - Industrial Visit details during Academic Year 2023-24

S.NO	TRIP TYPE	DATE	PLACE
1	Industrial Visit	22.02.2024	BSNL-Rajiv Gandhi Memorial Telecom Training Center (RGMTTC)
2	Industrial Visit	02.09.2023	Network Geek, Vadapalani, Chennai
3	Educational Tour	30.10.2023 to 1.11.2023	Specturm Softtech solutions Pvt. Ltd., Cochin
4	Industrial Visit	28.11.2023	IIT Madras Research Park (IITMRP), Chennai.

5. Project work:

Students are involved in real-time and societal projects that aim to solve practical problems. Some notable project titles include developing a Self-charging EV car battery by using solar and mechanical energy, Facial Detection and Recognition Alert System Using Machine Learning, and an IOT-based Covid-19 scanner. A sample list of Real-time Societal Project works done by students are listed in the Table 2.8.

Table 2.8 - List of Real time - Societal Projects during Academic Year 2023-24

S.NO	TITLE	Team Members
1.	Message Encryption and Decryption	1. Sandiyo Christaine 2. Stalin Sacretes

2.	Library Management System	1. Vetriselvan 2. Sharan
3.	Agri Tamil Chatbot	1. Amritha MErin Sunny 2. Joshna N 3. Harshini
4.	Conversational tamil chatbot For Transport	1. Princy 2. Srimathi
5	Traffic Signal Monitoring	1. Vignesh 2. Venkate

Participatory Learning

The faculty members make learning more interactive with students by motivating participation actively in the learning process. The institution adopts many methods for participatory learning actively like:

1. Seminars:

Seminars in our department are vibrant hubs of Participatory Learning. Here, students become knowledge creators and sharers. In-depth exploration cements their understanding far better than surface-level reading. Through engaging seminars, learning becomes a collaborative, student-driven process. Participants dont just absorb information; they question, discuss, and shape it—a participatory approach that deepens understanding and nurtures critical thinking essential for future tech leaders.

2. Conferences:

In our participatory learning model conferences, students actively participate and present their research papers. Students showcase their work, fielding questions from industry experts. This direct interaction hones their ability to articulate complex ideas and defend their work skills crucial in the tech world. A sample of student participaton in conferences are listed in Table 2.9.

Table 2.9 - List of Students Published paper in conferences during the Academic Year 2023-24

S.NO	NAME OF THE STUDENT	TITLE OF THE PAPER
1.	Alan John Kirubakaran D. Anderson D.S. Jabez Livingston A.	Stock Market Predictions and Employee Trade of Simulation
2.	Princy V. Srimathi M. Soundarya M.	Conversational Tamil Chatbot using NLTK and RASA Framework
3.	Ausnath A. Akshaya J. Anitha K.	Deep Learning Techniques based Plant Disease
4.	Mohan Kumar K. Santhosh B. Yogesh B.	Design Trade Off for Data Deduplication with Ensuring Data Security
5.	Kishore D. Jayaprakash P. Arvindh R.	Authentication of Patient Identity and Treatment in Healthcare using Enciperment
6.	Antony Loyola Jert Kalyana Sundaram Kamesh V.	Enhancing the Resolution of Hyper Spectral Remote Sensing Data using Augmentation Techniques
7.	Sandhiya S.V. Shalini B.	Designing Cloaking Wall Model with Leakage-Suppressed and Lightweight Access Control for Cloud Data Storage
8.	Juliet J. Bharathi Keerthika	Anomaly Detection Techniques for Fraudulent Activity Identification in Large Scale Transaction Databases
9.	Samuel Ezhil Prabhakaran J Tharun S. Vitrag Baria P.	Enhancing Deepfake Detection for Improved Accuracy in a Multimodal Approach

10.	Mick Nithin S. Pio Wilson M. Shenile A.	Integrated LSTM-SVM Model for Enhanced Stock Prediction and Sentiment Analysis
11.	Yovan Avinash Y.	Enhancing Images from Text using LCM Model for both Synthetic and Real Images
12.	Nithya Priya J. Sindhu S. Varsha M.	Cryptocurrency Price Prediction using Linear Regression and SVM
13.	Suresh R. Vignesh A. Yugendran S.	Real Time Sign Language Translation System Using Machine Learning
14.	Joshna N. Swetha R.	Development of Optimized Algorithm to Analyse the Underwater Images using Machine Learning
15.	Shanmugam M. Haishon S. Nirmal Kumar M.	Detection of Cyber Attacks using Machine Learning Algorithms Adaboost, Extra Tree, Random Forest
16.	Madhan M. Pathmanaban D. Rahul V.	Secure Data Transmission in Cloud Computing using Identity Access management
17.	Sangameswaran R. Ravivarman R.	Fraud Detection for Banking System using Machine Learning
18.	Amos Prakash K. Dinesh E. Dhinakaran V.	Intelligent Secure Access System with Facial Recognition using Deep Learning
19.	Boovaragan B. Kelvin Sam S. Logesh A.	Patient Risk Level Prediction using Random Forest
20.	Mohamed Thouzeef Sai Ganesh	Adaptive Security Measures for Ensuring Human Safety
21.	Sankari S. Sneka S.	Emotional Acoustics: A Deep Learning Insights into Speech Analysis
22.	Sheeba S. Rathisree D.	A Machine Learning Model to Predict and Prevent Brain Stroke using Random Forest Algorithm
23.	Suresh C. Sarath Kumar R. Vasanth Kumar L.	Forensic Face Sketch Construction and Recognition
24.	Ebenezer Paul Rahul Antony L. Suni Kumar S.	On-board Detection and Localization of UAVS Yolo V8 Algorithm

3. Symposium:

The annual "Technical Symposium" epitomizes student-led learning. Entirely organized by students, it features workshops, competitions, and discussions on emerging trends. This ownership fosters leadership, event management skills, and a deeper engagement with techs societal impact. Students are also encouraged to participate in symposium organized in other colleges also. A sample of list of student participation in other colleges for symposium are depicted in Table 2.10.

Table 2.10 List of Students Participated in other colleges for Symposium during Academic Year 2023-24

S. NO.	NAME OF THE STUDENT	EVENT NAME	REMARK
1	Madhan Kumar A	Break the Query / SIMATS	First Prize
2	Sam Richard M	Technical Connection / SIMATS	Second Prize
3	Vignesh M	Technical Connection / SIMATS	Second Prize
4	Madhan Kumar A	Technical Connection / SIMATS	Second Prize

5	Saran P	Technical Connection / SIMATS	Third Prize
6	Mahesh Krishna G	Technical Connection / SIMATS	Third Prize
7	Ruban Lordhu	Paper Presentation / SIMATS	Participated
8	Philip Ajay Kumar	Paper Presentation / SIMATS	Participated
9	Vignesh	Paper Presentation / SIMATS	Participated
10	Lenin	Paper Presentation / St. Joseph College of Engineering	Participated
11	Arun Raj	Paper Presentation / St. Joseph College of Engineering	Participated
12	Janesh	Paper Presentation / St. Joseph College of Engineering	Participated
13	Jananisree	Paper Presentation / Saveetha School of Engineering	Participated
14	Claflin	Paper Presentation / Saveetha School of Engineering	Participated
15	Badrinath	Paper Presentation / Saveetha School of Engineering	Participated
16	Agnal Smith	Paper Presentation / Saveetha School of Engineering	Participated

4. Role play:

Role play is incorporated in participatory learning that enables the students to get a visual impact of the concepts. This improves the understanding ability of slow learner students also. Students are made to enact the concepts pertaining to topics which are confusing or difficult to understand

5. Debates:

Structured debates spark lively participation. Technical topics see students diving deep into research, arguing passionately. These debates teach critical thinking, persuasive communication, and the importance of evidence-based arguments in tech discourse.

6. Technical Club activities:

Our clubs are participatory learning hubs. The Coding club hosts coding classes and quizzes where members collectively organize and participate to conduct and solve challenging problems. The SWAT club enables the students to update themselves with recent technologies. Such peer-driven activities foster a community of continuous, shared learning.

7. NPTEL:

While NPTEL courses are online, we make them highly participatory. Students form study groups around courses like "Big Data Analytics." They meet weekly to discuss lecture points and collaboratively solve assignments.. For instance, a group taking the big data course collectively enhanced their assignment, applying techniques to analyse our citys public transport data, making learning both interactive and locally relevant. A sample list of NPTEL courses completed by students are listed in Table 2.11.

Table 2.11 - NPTEL course completed by Students during Academic Year 2023-24

SL.NO	COURSE NAME	COURSE DURATION	STUDENT COUNT	CLASS
1	Python for Data Science	4 Weeks	23	III & IV Year
2	Foundation of Cloud Edge IoT ML	8 Weeks	56	II Year
3	Blockchain and Its Applications	12 Weeks	23	III Year
4	Big Data Computing	8 Week	38	III Year
5	Demystifying networking	4 Weeks	19	III Year
6	Software Testing	4 Weeks	1	IV Year

8. Flipped Learning:

The institution uses Flipped Learning, a student-centered approach that involves technology- based instructional content outside the classroom, to promote active learning and engage students in interactive discussions, problem-solving, and application of concepts during class time.

Problem Solving Methods

The problem-solving methodologies, including complex thinking, design thinking, and analysis, help students understand situations and come up with alternatives. They also aid in the development of student's critical thinking skills. Some of the tools and methodologies used by the institution include:

1. MCQ:

Multiple-choice tests are conducted frequently to assess students knowledge and understanding of logical thinking and analytical skills. MCQs are transformed from simple recall tests into problem-solving exercises. Students must quickly analyze the situation, apply the concepts, and deduce the most probable issue. This approach teaches rapid problem assessment and decision-making skills critical in various roles.

2. Hackathons :

Students are encouraged to participate in Hackathons where they experience working under pressure, learn to decompose complex problems, prototype rapidly, and pivot strategies—mirroring the fast-paced problem-solving demanded in tech start-ups. The students have showcased their ability by winning prizes.

3. Case Study:

Real-world case studies are conducted that replace theoretical lectures. Case studies teach root cause analysis, system thinking, and the critical importance of rigorous testing especially when lives are at stake.

C) Methodologies to support weak students and encourage bright students

Mentoring and counselling system

The department places a strong emphasis on mentoring and counselling to support students overall development and well-being. It enables Monitoring Student Regularity and Discipline, Strengthening Teacher-Student Relationships, Addressing Student Concerns and Enhancing Well-being and Career Guidance and Pathway Planning.

The Mentoring schedule involves the following:

- The Mentors meet the students associated with them once in every week.
- The Parents/Guardians of poor attendee/performance students are called to meet the mentors and corrective and preventive measures are implemented for further improvement.
- Each mentor maintains the entire student Information, which is examined by the HOD and others concerned when necessary.
- Periodic meetings are conducted by the Principal with HODs to review the punctuality and regularity of students.
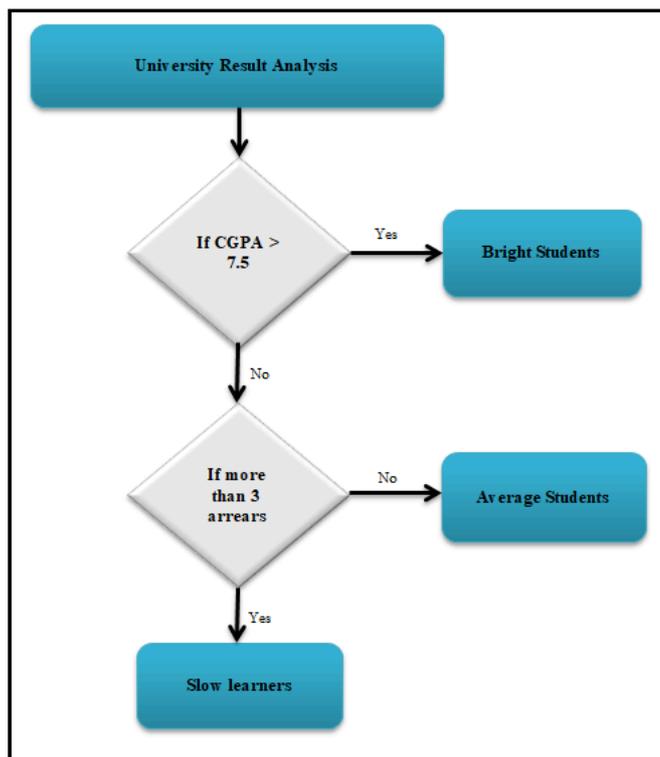
Fig 2.3 - Identification of Slow learners and Bright students

Guidelines to identify weak students:

The mentors regularly conduct meetings regarding progress of their mentees and are responsible to identify students who scored less than 50% marks in their internals and having arrears in the end semester examination. Under the HOD direction, the student's mentors evaluates the progress card of those students who score below 50% marks in two or more subject, having arrears in University examination and below 75% attendance is considered as academically weak students and same is also intimated to their parents. Table 2.12 a depicts the guidelines for identifying weak students and the action taken for the weak students..

Table 2.12 a. Action taken for weak Students:

IDENTIFICATION CRITERIA	ACTIONS TAKEN
Students fail in previous semester exams	- Special Coaching classes are arranged by course faculty. - Periodic counselling is given to the students having backlog subjects by mentors.
Students scoring less than 50% of marks in Internal Assessment	- Mentors follow their progress regularly advising students about attending classes, making up for classes missed, and getting additional help. - Conduct special session for students.
Students weak in programming skill	- Hands-on sessions are organized. - Provide platform for peer learning by means of student clubs.

Impact of Weak students Analysis:

The analysis of weak students performance has led to significant improvements in our educational approach. Firstly, weve implemented targeted remedial programs that address specific skill gaps identified through the analysis. As a result we have achieved increase in pass rates among previously struggling students. Secondly, the insights gained have prompted a revision of our teaching methodologies, incorporating more interactive and diverse learning techniques, which has improved overall student engagement and comprehension across all academic

levels. Lastly, this analysis has fostered a more proactive mentoring system, where at-risk students are identified early and provided with personalized support, leading to reduction in dropout rates and a noticeable boost in student confidence and academic performance.

Guidelines to identify bright students:

Bright students are encouraged to participate in various intercollege events (Conference, Symposium, Project Exhibition and various workshops). They are also encouraged to implement the Mini Projects and participate in various events at the National level. These students are encouraged to prepare for competitive exams like GATE, GRE, TOEFL and civil service examinations. Table 2.12 b depicts the guidelines for identifying Bright students and action taken to improve their quality.

Table 2.12 b. Action Taken for Bright Students

IDENTIFICATION CRITERIA	ACTIONS TAKEN
Students having potential of securing University ranks	Distribution of Gold medals and cash prize.
Students securing more than 7.5 CGPA in their Semester exams	Mementos are also distributed to motivate them to continue their Excellency in academics.
Top two students of each class	Awarded with mementos

Impact of Bright students Analysis:

The analysis of bright students performance has significantly enhanced our placement outcomes. Our top-performing students have secured prestigious positions in leading multinational corporations and innovative start-ups. Our analysis of bright students performance has opened up exceptional internship opportunities at industry-leading companies. These internships have resulted in pre-placement offers, giving our bright students a significant advantage in launching their careers at prestigious firms even before graduation.

D) Quality of classroom teaching

The following innovative teaching methods are adopted by the faculty:

- Computers are used for teaching purposes and internet facility is available to students and faculty.
- Faculty members use the sources like National Programme on Technology Enhanced Learning (NPTEL), internet sources for effective teaching.
- Smart Board, LCDs etc. are used for teaching purposes.
- Well-structured lesson plans are prepared / revised for all theory and practical courses on a period to period basis, scrutinized by HODs and made available in the website for student's access.

HOD will regularly monitor the class room teaching and submit the report to the Quality Assurance Cell. Necessary actions will be taken based on the reports.

E) Conduct of Experiments:

Students carry out the lab experiments along with the content beyond syllabus. All laboratory have excellent facilities, both hardware and software based. For the experiments detailed instruction manuals are provided. The observations are checked and verified by faculty and record books are maintained systematically. Two faculty members and one instructor are assigned for each practical class.

- Lab manuals are distributed to students before the start of the semester
- The students are instructed to complete the observation before the lab session.
- After the completion of each lab experiments the faculty verifies the result and the printout of the experiments will be filed up.
- Model practical examinations will be conducted regularly before the university examination.
- Additional experiments are conducted to meet requirements for content beyond syllabus.

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

Institute Marks : 20.00

Our college conducts two Internal Assessment Test (IAT-I & IAT-II) and MODEL EXAM. IAT – I covers Unit-I & II. IAT – II covers Unit-III & IV. All the five units (Unit-I, II, III, IV, V) are covered in MODEL EXAM. The duration of the test is three hours and question paper is set to make the student to learn time management. The internal test consists of 100 Marks of subjective questions.

Initiatives:

- The exam cell or examination committee is responsible for preparing the exam schedule for internal assessments and semester-end examinations.
- The schedule is prepared well in advance to allow sufficient time for students and faculty to plan and prepare.
- The exam schedule is carefully coordinated with the overall academic calendar to ensure that it does not conflict with other important events, activities or holidays.
- Once the exam schedule is finalized, it is widely communicated to all students, faculty, and administrative staff through circular, ensuring that everyone is aware of the exam dates and timings.

A) Process for internal semester question paper setting and evaluation and effective process implementation:

The process for conducting Internal Assessment Tests (IATs) involves the following steps:

1. Internal semester Question Paper Setting:

- Course in-charges are responsible for preparing the internal semester question papers for their respective subjects and multiple question papers are collected from the course instructors and best among them is selected by the COE.
- A comprehensive question bank is maintained for each subject, serving as a reference for selecting questions.
- While setting the question paper, all previous university exam papers for the subject are thoroughly reviewed and taken into consideration. This ensures that the question paper aligns with the universitys exam pattern and covers relevant topics and concepts.
- Questions are designed based on course Outcome and Blooms Taxonomy levels, ranging from lower-order thinking skills to higher-order cognitive skills. This includes questions that assess abilities such as analyzing problems, implementing modern tools, and formulating problems.
- Questions are prepared with varying levels of difficulty, ranging from straightforward to challenging. This approach ensures that the question paper accurately assesses students understanding and abilities across different proficiency levels.

2. Evaluation:

- Exam Cell will conduct the exams and answer scripts are evaluated by the Concern course In-charges. Department Exam coordinator will consolidate the marks after two days of the exam.
- For any genuine reasons, if a student was unable to perform well in the given internal assessment tests, improvement test is given to him/her. If a candidate remains absent for all the tests conducted, the Internal assessment marks are marked as "Absent" in the result.
- Students' Progress report will be send to their parents

3. Effective Process implementation:

- Department categorize the students such as bright, average and slow learners based on their marks.
- Effective and special coaching class will be conducted for the slow learners by the subject experts.

B) Process to ensure questions from outcomes/learning levels perspective:

The effectiveness of the question paper in evaluating the attainment of course and program outcomes depends on several factors, including the alignment of questions with Course Outcomes (COs) and Revised Blooms Taxonomy (RBT) levels, comprehensive content coverage, well-designed and unambiguous questions, a clear marking scheme and rubrics, appropriate weightage and distribution of marks across COs and RBT levels, and a robust moderation and review process involving subject matter experts. The effectiveness of the question paper in evaluating the attainment of course and program outcomes depends on several factors:

1. **Course Outcomes (COs):** The question paper should be designed to assess the specific course outcomes defined for the subject, ensuring that the questions align with the intended learning objectives.
2. **Program Outcomes (POs):** The questions should be framed in a way that contributes to the evaluation of the program outcomes, which are the broader skills and competencies that students are expected to develop through the program.
3. **Mapping of COs with POs:** The alignment between course outcomes and program outcomes should be established, ensuring that the questions in the question paper are mapped to the relevant COs and POs.
4. **Quality of Questions**: The quality of questions in the internal assessment is crucial for achieving the desired outcomes. The questions should be designed to assess various levels of cognitive abilities, such as knowledge, comprehension, application, analysis, synthesis, and evaluation.

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

The Internal Assessment (IA) tests are conducted based on the syllabus covered by the faculty. The question papers for these tests are prepared with the following considerations:

1. **Question Mapping:** Each question in the test should be mapped to the corresponding COs it intends to assess. This mapping should be clearly documented, indicating which COs are being evaluated by each question.
2. **Content Coverage:** The test questions should collectively cover all the essential topics and concepts related to the COs. A content mapping matrix can be created to ensure that the entire COs is adequately represented in the test.
3. **Question Paper Analysis:** After the test, a detailed analysis of the question paper can be conducted to determine the extent to which each CO was assessed. This analysis can involve examining the distribution of marks across different COs, the cognitive levels of the questions, and the performance of students in questions related to each CO.
4. **Student Performance Analysis:** The performance of students in questions related to specific COs can be analyzed to identify areas where students struggled or excelled. This information can provide insights into the effectiveness of teaching and learning processes in relation to the attainment of COs.
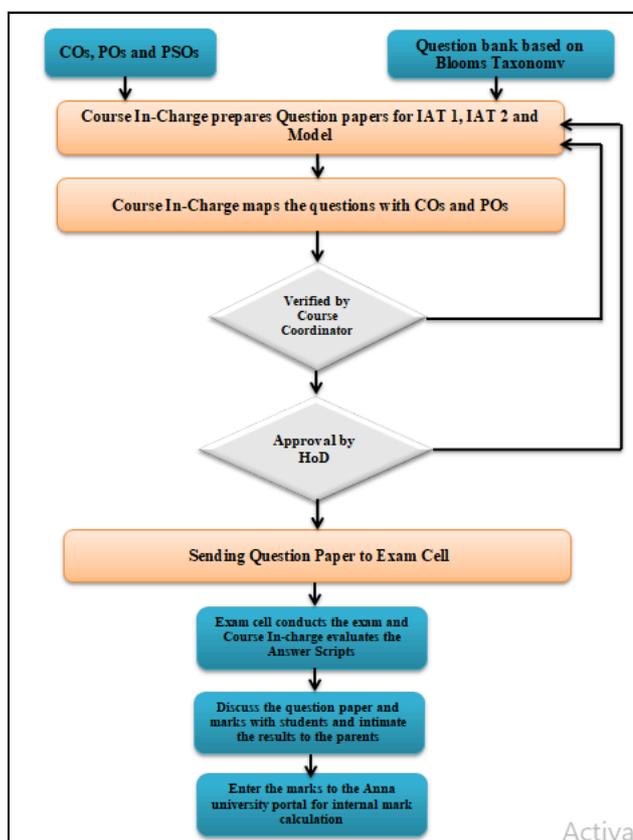
Fig 2.4: Internal Test Evaluation

D. Quality of Assignment and its relevance to CO's

Assignments play a crucial role in the continuous assessment process, enabling students to apply and analyze the acquired knowledge, thereby enhancing their learning experience. After the completion of every unit assignment questions will be given to students, and student has to write it & submit within a week and each question is mapped with COs .So the students will be able to understand course outcome of particular subject.

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

A) Identification of projects and allocation methodology to Faculty Members

The final year project is a crucial component of a students academic journey, spanning an entire semester. The process begins with an orientation session conducted by the project coordinator, designed to clarify expectations and guide students through the upcoming endeavor. Students are encouraged to select topics that not only align with their personal interests but also resonate with the departments mission, vision, and program outcomes. To ensure relevance and depth, students are directed to consult reputed journals for identifying potential problem statements. The faculty then analyzes these chosen topics in light of their own areas of expertise, facilitating an appropriate matching of students to supervisors. Under the guidance of their allocated supervisors, students embark on a comprehensive journey that includes conducting a thorough literature survey, formally articulating the problem statement, and implementing solutions. Throughout this process, progress is meticulously monitored by both the supervisor and an advisory committee, ensuring steady advancement and quality output. The project is strategically designed to foster practical skills, enhance knowledge of industry-relevant tools and techniques, and develop the ability to address real-world challenges. Moreover, it serves as a platform for students to forge connections with society and hone their teamwork abilities, preparing them for the collaborative nature of professional environments. Ultimately, the final year project stands as a capstone experience, bridging academic learning with practical application and personal growth.

Step by step procedure for team and guide allotment:

- Project team size should not exceed 3.
- Project coordinator collects the teams ideas and domains
- Department Academic and Assessment committee will allot the guides based on their domain specialisations.
- Regularly conducting 3 reviews to assess the projects with panel members

Students regularly present their project progress to a review committee during each implementation stage. These review meetings serve as critical checkpoints where the committee evaluates the work completed. Following each presentation, students receive detailed feedback on their performance that guides the students for improving the quality of their work. By incorporating the committees suggestions, students can refine their projects, address any weaknesses, and enhance the overall standard of their work.

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

The projects are mapped with POs and PSOs and the attainments are assessed based on the following:

- Depth in fundamentals
- Clarity in problem analysis
- Methodology adopted
- Modern tool usage
- Impact on societal needs as useful products/processes
- Future scope of the work
- Novelty of work
- Team work
- Presentation and documentation
- Cost effectiveness and project management

A sample of Students Projects with relevance to POs and PSOs are listed in Table 2.13

Table 2.13 – Relevance of POs and PSOs with student's Projects for Academic Year 2023-24

Batch No	Register No	Name of the Student	Project Title	RELEVENCE WITH PO AND PSO
1	210520104009	AMLE ANGELIN D	ONLINE SHOPPING USING WEB DEVELOPMENT	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104018	AROKIA ROMERO PRINCY P		
	210520104042	JOSHNA AGNES J		
2	210520104003	ADITHAN S	CONVOLUTIONAL NEURAL NETWORKS	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104007	ALPHONSE A		
	210520104022	BEZELIAL CLEMENT A		
3	210520104005	AKSHAYA J	DIAGNOSIS OF ALZIEMIER STAGES BY USING CNN ARCHITECTURE	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104014	ANITHA K		
	210520104021	AUSNATH A		
4	210520104006	ALAN JOHN KIRUBAKARAN D	STOCK PRICE PREDICTIONS AND DEMAND REPORT	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104037	JABEZ LIVINGSTON A		
	210520104013	ANDERSON A S		
5	210520104008	AMIRSUFREN S	SMART SURVEILLANCE FOR SAFE ROAD	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104027	DHAVASEELAN R		
	210520104031	EVZEN ROY E		
6	210520104011	AMRUTHA MERIN SUNNY	LOAN APPRAICER PREDICTION	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104020	ASHIKA RAJ		
	210520104036	HARSHINI N		
7	210520104012	ANBARASAN N	AUTOMATED DOOR LOCKING SYSTEM USING IOT	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104026	DEVARAJ S		
	210520104040	JEELANI Y		

8	210520104010	AMOS PRAKASH K	INTELLIGENT SECURE ACCESS SYSTEM WITH FACIAL RECOGNITION	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104028	DHINAKARAN V		
	210520104029	DINESH E		
9	210520104016	ANTONY LAYOLA JERT	ENHANCING THE RESOLUTION OF HYPERSPECTRAL REMOTE SENSING DATA USING DATA AUGMENTATION TECHNIQUES	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104045	KALYANA SUNDARAM		
	210520104046	KAMESH V		
10	210520104019	ARVINDH R	CREATING ELECTRIC VEHICLE WEBSITE	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104039	JAYAPRAKASH P		
	210520104050	KISHORE D		
11	210520104023	BHARATHI M	FRAUD TRANSACTION MANAGEMENT	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104043	JULIET J		
	210520104048	KEERTHIKA P		
12	210520104024	BOOVARAGAN B	ICU PATIENT RISK LEVEL MONITORING SYSTEM USING ARTIFICIAL INTELLIGENCE	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104049	KELVINSAM S		
	210520104051	LOGESH A		
13	210520104015	ANTO V	KEY AGGREGATING CRYPTO SYSTEM FOR SCALABLE DATA SHARING IN CLOUD STORAGE	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104034	HARIKA K		
	210520104044	KALEESWARI K		
14	210520104041	JOSHNA N	STRESS PREDICTION ANALYSIS USING MACHINE LEARNING	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104089	SWETHA R (B -Section)		
15	210520104060	NIRMALKUMAR.M	DETECTION OF CYBER ATTACKS USING MACHINE LEARNING ALGORITHMS ADABOOST, EXTRA TREE AND RANDOM FOREST	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104033	HAIHSON.S		
	210520104080	SHANMUGAM.M		
16	210520104063	PIO WILSON.M	A STOCK PRICE PREDICTION MODEL BASED ON INVENTOR SENTIMENT AND OPTIMIZED DEEP LEARNING	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104055	MICK NITHIN.S		
	210520104082	SHENILE.A		
17	210520104074	SAMUEL EZHIL PRABHAKARAN.J	ENHANCING DEEP FAKE DETECTION FOR IMPROVED ACCURACY IN A MULTIMODAL APPROACH	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104090	THARUN S		
	210520104097	VITRAG BARIA		
18	210520104302	SUNIL KUMAR.S	ANGULAR FEATURES - BASED HUMAN ACTION RECOGNITION SYSTEM FOR A REAL APPLICATION WITH SUBTLE UNIT ACTIONS	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104067	RAHUL ANTONY.L		
	210520104301	EBENEZER PAUL SAMUEL		
19	210520104078	SARATH KUMAR R	ONLINE BOOK STORE USING CLOUD COMPUTING (AWS)	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104093	VASANTHAKUMAR L		
	210520104303	SURESH.C		
20	210520104065	PRINCY V	MILK QUALITY PREDICTION	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104085	SOUNDARIYA M		
	210520104086	SRIMATHI M		

21	210520104076	SANKARI S	EMOTIONAL ACOUSTICS:A DEEP LEARNING INSIGHTS INTO SPEECH ANALYSIS	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104084	SNEKA K		
22	210520104068	RATHISREE D	A MACHINE LEARNING MODEL FOR PREDICTING AND PREVENTING BRAIN STROKE USING XG BOOST ALGORITHM	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104081	SHEEBA S		
23	210520104092	VARSHA.M	ON THE GO REMOTE PRINTING APPLICATION USING MERN STACK	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104083	SINDHU.S		
	210520104061	NITHYA PRIYA .J		
24	210520104064	PRAISY M	EMAIL SYSTEM FOR VISUALLY IMPAIRED	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104091	VAISHNAVI M		
25	210520104075	SANDHIYA SV	DESIGNING CLOAKING WALL MODEL WITH LIGHT WEIGHT AND LEAKAGE SUPPRESSED ACCESS CONTROL FOR CLOUD DATA STORAGE	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104079	SHALINI B		
26	210520104501	SANGAMESWARAN R	FRAUD DETECTION FOR BANKING SYSTEM USING MACHINE LEARNING	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104070	RAVIVARMAN R		
27	210520104099	YOVAN AVINASH Y	ANDROID VEHICLE BREAKDOWN MECHANIC FINDER	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
28	210520104077	SANTHOSH.B	DESIGN TRADE OFF FOR DATA DEDUPLICATION WITH ENSURING DATA SECURITY	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104098	YOGESH.B		
	210520104058	MOHANKUMAR.K		
29	210520104072	SAI GANESH	CLOUD LOAD BALANCING TASK SCHEDULING	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104056	MOHANMED THOUZEEF		
30	210520104066	RAHUL .V	SECURE DATA TRANSMISSION IN CLOUD COMPUTING USING IDENTITY ACCESS MANAGEMENT	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104053	MATHAN.M		
	210520104062	PATHMANABAN.D		
31	210520104094	VIGNESH.A	SIGN LANGUAGE TRANSLATION SYSTEM USING MACHINE LEARNING	PO 1,2,3,4,5,6,7,8,9,10,11 12, PSO 1,2,3
	210520104100	YUGENDRAN.S		
	210520104088	SURESH.R		

C) Process for monitoring and evaluation

- Project reviews are conducted four times in a semester by a team of faculty members.
- Project students should meet their respective guide periodically and asked to explain their progress they have done in their project.
- Team should submit project progress report to project coordinator during the review.

General Instruction:

- All the students must provide the project batch details and title on or before the specified date
- Maximum 3 members are allowed in a batch
- Change of Project / Team members will not be entertained once the project is confirmed.
- Meet the internal guide and get the approval before each review date; otherwise you   will not be allowed to attend the review.
- Maintain formal dress code (neatly shaved, shoes, id & tie is mandatory, no casual outfit) at the time of project review.
- Internal Mark is awarded based on review performance.
- Prepare PPT presentation and update the project file for each review.
- All the team members must present for each review. Attendance is compulsory.
- Each batch should publish at least one technical paper in a Journal or International Conference before Review-III
- Hard copy of the Project Report should be submitted during Review-III
- Suggestions are given and documented in the project evaluation sheet by faculty members.
- Project guide takes care of compliance of suggestions.

Evaluation

- As per project review reports internal evaluation is done.
- At the end of semester a report is submitted by the students. Midterm evaluation is done based on presentation and midterm report submission.
- Final evaluation is based on presentation, report submitted, examination and demonstration.

- The ethical values are imbibed through proper referencing. The project is evaluated by Project Coordination committee which consists of subject expert within the department and an expert from outside the college. All the POs and PSO's are attained.

REVIEW – I:

Project file and PPT presentation should include:

- Objective
- Abstract
- Literature survey (minimum 5 Papers)
- Existing/proposed system
- System architecture
- Conclusion
- Reference

REVIEW – II:

Project file and PPT presentation should include:

- Objective
- Abstract
- Literature review (minimum 5 Papers)
- Existing/proposed system
- System architecture
- Module Description (algorithm/flow chart/use case diagram)
- Implementation of minimum 60% of the project
- Conclusion
- Reference

REVIEW – III:

Project file and PPT presentation should include:

- Objective
- Abstract
- Literature review (minimum 5 Papers)
- Existing/proposed system
- System architecture
- Module Description (algorithm/flow chart/use case diagram)
- Implementation of full project (source code/demo)
- Conclusion
- Reference

PROJECT MARKS SPLIT UP:

Table 2.14 a - Project Evaluation Rubrics (R2017)

REVIEW1	REVIEW2	REVIEW3	END SEMESTER EXAMINATION				
			THESIS SUBMISSION (30)		VIVA-VOCE (50)		
			Internal	External	Internal	External	Supervisor
5	7.5	7.5	15	15	15	20	15

Table 2.14 b - Project Evaluation Rubrics (R2021)

REVIEW1	REVIEW2	REVIEW3	END SEMESTER EXAMINATION				
			PROJECT REPORT		VIVA-VOCE EXAMINATION		
			Internal	External	Internal	External	Supervisor
10	15	15	10	10	10	20	10

D) Process to assess individual and team performance

- Project reviews are conducted once in every month by the team of their respective guide, a professor cadre faculty, an Associative professor and an Assistant professor.
- The project review should be given by all the project team members according to the division of project.
- Each student in the project team is assessed to their skill set to deliver their work, explain the concept and way to make project assess team to understand their work.
- Each individual and team performance is purely based on this project presentation and the viva voce and progress work they show to their guide.

E) Quality of completed projects/working prototypes

Final project demo for the working prototype and the report are evaluated by the project review committee members.

- Project expo is conducted to evaluate the quality of projects. Best projects are awarded with cash prize. Final project demo for the working prototype and the report are evaluated by a team of their respective guide, a professor cadre faculty, an Associate professor and an Assistant professor.
- The projects are evaluated and are awarded assessment marks for maximum 100 and are graded according to the project contribution towards attainment of PO's and PSO's.

Quality of the students projects are evaluated based on the following rubrics:

- Environmental Sustainability
- Safety Practices
- Ethical and social impact on communities
- Operational Expenses

A sample of best project are listed in Table 2.15.

Table 2.15 - List of Best Projects of Academic Year 2023-24

S.NO	PROJECT TITLE	NAME OF THE TEAM MEMBERS
1	Advancing Small-Scale Farming Through AI- Enabled Agricultural Bot: A Tamil Chat Bot Approach	Amrutha Merin Sunny, Harshini, Joshna
2	Designing Cloaking Wall Model With Light Weight And Leakage Suppressed Access Control For Cloud Data Storage	Sandhiya S. V, Shalini B
3	Stress Prediction Analysis Using Machine Learning	Joshna N, Swetha R
4	Conversational Tamil Chatbot using NLTK and rasa framework	Princy V, Soundariya M, Srimathi M
5	Angular Features - Based Human Action Recognition System For A Real Application With Subtle Unit Actions	Sunil Kumar. S, Rahul Antony. L, Ebenezer Paul Samuel

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

All project batches published paper based on their project work. **Paper based on project is published in reputed conference/journals. A sample list of papers published is depicted in Table 2.16**

Table 2.16 - Research papers published by students

S.NO	Academic year	Number of Batches	No of Papers Published In Conference / Journals
1	2023-2024	32	31
2	2022-2023	39	35
3	2021-2022	19	19

2.2.4 Initiative related to industry interaction (15)

Institute Marks : 15.00

The Industry-Institute Interaction activities conducted throughout the four-year college/department program play a crucial role in preparing students for real-world challenges and enhancing their industry readiness. This formal platform facilitates a two-way exchange, enabling both students and faculty members to gain insights into industry expectations and align their skill sets accordingly. The gracious involvement of industry experts and department alumni significantly contributes to this process through expert talks, guest lectures, workshops, project guidance, and industrial training opportunities. These collaborative efforts equip students with the necessary knowledge and skills to meet the requirements of their future roles effectively.

A) Industry Sponsored Laboratories/Centre of Excellence

Industry-supported laboratories which is listed in Table 2.17, enhance the learning process by providing students and faculty members with a comprehensive understanding of industry best practices. These laboratories facilitate meaningful practical sessions by incorporating the development of functional prototype models that demonstrate core subject concepts. Additionally, collaboration with key industry partners who have established products in the market allows for the exploration of real-world industrial applications. This hands-on approach, combined with industry insights, enables students to gain practical experience and a deeper grasp of theoretical concepts, better preparing them for professional challenges.

Table 2.17 - Industry Supported laboratories

S.NO	INDUSTRY NAME	COLLABORATION DETAILS	AREAS IN WHICH STUDENTS' ARE ENHANCED LEARNING
1	ARK SOLUTIONS	Centre of Excellence	Augumented Reality /Virtual Reality
2	HI-TECH ELECTRONICS	Centre of Excellence	Internet of Things
3	ICT ACADEMY	Centre of Excellence	Cloud Computing
4	NATIONAL CYBER SECURITY STANDARDS	Research Centre	CyberSecurity and Digital Forencics

The department has signed MOU with the organizations. These industry-supported laboratories, facilitated through MoUs, enable the department to leverage the expertise, resources, and practical knowledge of industry partners. Such collaborations can enhance the practical training and skill development of students, exposing them to industry-relevant techniques, tools, and methodologies. Additionally, certified courses offered through these partnerships can potentially provide students with valuable certifications or credentials recognized by the industry, improving their employability and career prospects. Table 2.18 lists the organizations with which MoU signed by the department.

Table 2.18 - MoU details

Sl. NO	Date	Name of Organisation	Type of MoU
1	02-07-2024	M/s. Yardstick Digital Solutions	Training, Certified Courses
2	06-03-2024	Anipix Animation Academy	Training, Certified Courses
3	06-04-2022	Futuro Focus	Training, Certified Courses
4	07-12-2021	ARK Info Solutions Private Limited	Training, Certified Courses

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

The department often collaborates with industry partners to ensure that academic programs and regular courses offered to students are aligned with industry needs and standards. This industry involvement can take several forms:

1. Course design: Subject matter experts from various industries contribute to the design and development of specific courses. They provide insights into the latest trends, technologies, and best practices, helping to shape the course content and ensure its practical relevance. A sample of Value added coursses conducted for students is listed in the Table 2.19 a.

Table 2.19 a - Details of courses delivered by Industry during Academic Year 2023-24

S.NO	PERIODS	COURSE NAME	ORGANIZATION	USERS
1	140 hours	Certificate course on Cloud	ICT Academy & Paypal India	IV Year
2	45 Periods	DevOps	Tamil Nadu Skill Development Corporation	IV Year
3	45 Periods	Project Based Experiential Learning Program	Tamil Nadu Skill Development Corporation	III Year
4	45 Periods	Microsoft Essentials	Tamil Nadu Skill Development Corporation	II Year
5	45 Periods	Cyber Security	Tamil Nadu Skill Development Corporation	III Year

2. Seminars and workshops: Industry professionals are invited to deliver seminars, webinars, workshops, or participate in panel discussions as part of regular courses. This exposure allows students to learn directly from experienced professionals, gain insights into real-world challenges, and understand the practical applications of the course material. A sample of Seminars and workshop details conducted for students are depicted in Table 2.19 b.

Table 2.19 b - Seminars and Workshops details during Academic Year 2023-24

S.NO	TYPE	TOPIC	DATE	RESOURCE PERSON
1	Workshop	Augmented Reality and Virtual Reality	17/10/2023 & 18/10/2023	Mr. Gokula Krishnan Game Developer, Scopik Edutech Pvt Ltd, Chennai
2	Workshop	UI / UX Design	8/11/2023 & 9/11/2023	Anipix Animation Academy, Chennai

3	Webinar	Microsoft Azure	13/04/2024	Mr. Varun Rajan Principal Architect LTIMindTree, Banglore
4	Seminar	IoT Applications in Embedded System	08/03/2024	Dr. Senthil Kumar A Prof, Department of ECE, Kings Engg College
5	Seminar	Higher Education Opportunities	10/08/2023	Mr.Bhaskar, Assistant Manager, 2IIM, Chennai
6	Seminar	Cyber Security"	25/08/2023	Ms.M.Shobana, Technical Head, NIIT Ltd, Chennai
7	Seminar	Artificial intelligence in Drone Technology	05/09/2023	Mr. Jehoshaphat (Alumni) Chennai
8	Seminar	AR & VR	21/09/2023	Mr. Aravind, CEO, Vegas Brain Pvt. Ltd, Chennai
9	Seminar	DevOps Security	10/10/2023	Mr. Sridhar Padiyala Program Director, Wipro Technologies, Chennai

3. Project guidance: Companies may provide case studies, real-world problems, or project scenarios for students to work on as part of their coursework. Industry mentors or supervisors may guide students through these projects, offering valuable feedback and practical perspectives.

Table 2.19 c – Role of organizations in project phases

Sl. NO	DATE	NAME OF ORGANISATION	RELEVANCE TO PHASES OF PROJECTS
1	06-03-2024	Anipix Animation Academy	Design and Development
2	10-10-2023	Wipro Technologies	Networks and Cloud Tech
3	06-04-2022	Futuro Focus	Coding
4	07-12-2021	ARK Info Solutions Private Limited	Augumented Reality / Virtual Reality

Student's Feedback about Industry Interaction:

- Regularly soliciting feedback from students after each industry interaction program is crucial. This feedback helps identify students expectations and areas where they seek knowledge enhancement to improve their placement prospects.
- Industrial training for students should not be undervalued, as it significantly impacts their employability after graduation. While practical skills are essential for securing jobs, competencies can be further developed on the job. However, not all acquired skills add equal value to a students profile. The focus should be on identifying and acquiring the most relevant skills aligned with employers expectations, rather than accumulating a vast array of skills indiscriminately.

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

Institute Marks : 15.00

A) Industrial training/tours for students

Exposure to the actual industrial experience of experts allows students to shift their approach to problem-solving from a purely academic or theoretical mind-set to a more practical and application/product-oriented perspective. These interactions with industry professionals enhance students technical capabilities and provide them with a broader understanding of the specific roles and responsibilities within their chosen fields. Additionally, the industry visits organized by the department complement the course/curriculum knowledge with hands-on, direct exposure to real-world work environments. Through these experiences, students can identify gaps in their knowledge and better prepare themselves to face industry job interviews by their final year. The combined learnings from these interactions equip students with the necessary skills, mindset, and exposure to tackle practical challenges effectively and present themselves as well-rounded candidates for industry roles. A sample list of Industrial Visits conducted for the students is shown in Table 2.20.

Table 2.20 - Industrial Visit details during Academic Year 2023-24

S.NO	TRIP TYPE	DATE	PLACE
1	Industrial Visit	22.02.2024	BSNL-Rajiv Gandhi Memorial Telecom Training Center (RGMTTC)
2	Industrial Visit	02.09.2023	Network Geek, Vadapalani, Chennai
3	Educational Tour	30.10.2023 to 1.11.2023	Specturm Softtech solutions Pvt. Ltd., Cochin
4	Industrial Visit	28.11.2023	IIT Madras Research Park (IITMRP), Chennai.

B) Industrial / internship / summer training of more than two weeks and post training Assessment:

Industrial/internship/summer training programs that span more than two weeks typically involve a more comprehensive and immersive learning experience for students or trainees. These extended training programs often include a combination of theoretical knowledge, hands-on practical experience, and post-training assessments. A sample list of Internship Programs are displayed in Table 2.21.

Table 2.21 - Summer Internship Program for the Academic Year 2023-24

CLASS	NO. OF STUDENTS PARTICIPATED
II CSE	44
III CSE	90
IV CSE	76

C) Impact analysis of industrial training

Student industrial training and exposure to industry practices play a crucial role in enhancing employability and bridging the gap between academic learning and real-world requirements. By integrating theoretical knowledge with practical exposure, students can develop the essential skills, industry awareness, and professional readiness required to excel in their chosen careers and contribute effectively to their respective fields. The significance and benefits of industrial training for students are:

- Industrial training provides students with hands-on experience and opportunities to develop practical skills that are highly valued by employers.
- It helps students understand the professional landscape, industry trends, and the expectations of potential employers, better preparing them for their future careers.
- The successful industrial training experiences can enhance students job prospects and employability, as employer's value practical experience and industry-relevant skills.
- Through industrial training, students can gain exposure to cutting-edge technologies, tools, and techniques, ensuring they are up-to-date with industry standards and advancements.

A sample of Industry Interaction Initiatives and their impact analysis is listed in Table 2.22

Table 2.22. - Industry Interaction Initiatives and their impact analysis for the Academic Year 2023-24

SL.NO	INDUSTRY INTERACTION INITIATIVE	INDUSTRY INVOLVED	IMPACT ANALYSIS
1	Invited talks from industry experts	2IIM, Chennai - NIIT Ltd, Chennai - Vegas Brain Pvt. Ltd, Chennai - Wipro Technologies, Chennai - Wipro Technologies, Chennai - Beeja Academy, Chennai - Annalect India, Chennai - Technical Training One Data - Cybernaut, Chennai - Google India, Bangalore - Career Analyst and Trainer, Chennai - Insysness Technolgies Pvt. Ltd, Chennai	Awareness about current Industry needs and career guidance.
2	MoU's signed with industries	Signed MoU with industries	Internship opportunities, Placement opportunities, Faculty development program.
3	Industrial Visits	- BSNL - Rajiv Gandhi Memorial Telecome Training (RGMTTC) - IIT Madras Research Park (IITMRP) - Retech Solutions - Network Geek	Exposure of industrial practices to the students and staff

| 4 | Workshop conducted in Association with industries | • Scopik Edutech Pvt Ltd, Chennai
• Anipix Academy, Chennai
• Futuro Focus, Chennai
• Uniq Technologies, Chennai
• Fusion VR, Chennai | Exposure to modern tools and technologies to Students and faculty |

D) Student feedback on initiative

- Feedback from students was gathered regarding the initiatives taken by the department in organizing industry interactions, training programs, and industrial visits.
- Remedial actions will be implemented to ensure the effectiveness of the aforementioned activities, ensuring continuous improvement in their quality.
- The suggestions are considered in order to improve this process so that students get benefitted.
- The students suggestions regarding preferred types of industrial visits and lecture topics/courses aimed at enhancing their academic and co-curricular skills and knowledge will be considered. Appropriate corrective actions will be implemented to facilitate further improvements.

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	Mathematical Foundation of Algorithms: Demonstrate knowledge of Probability & Statistics, Discrete Mathematics, Data Structure and applications appropriate to Computer Science and Engineering.
PSO2	Essentials of Computer Science: Understand the dynamic concepts and methodology of computer systems, and to know the functionality of hardware and software characteristics of computer systems.
PSO3	Basics of Software Development: Analyze, Design, implement, Test, and evaluate computer system or algorithm to meet the industrial requirements and to solve a computational problem with ethical values.

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 :	2021-2022

Course Name	Statements
C2 03.1	Understand the abstract datatypes for linear Data structures
C2 03.2	Apply the different linear Data structures to problem solutions
C2 03.3	Implement the different Non-linear Data Structure operations
C2 03.4	Apply appropriate Graph Algorithms for Graph applications
C2 03.5	Analyze the various searching and sorting Algorithms

Course Name :		C2 15	Course Year :	2021-2022

Course Name	Statements
C2 15.1	Identify the key activities in managing a software project
C2 15.2	Compare different process models
C2 15.3	Perform requirements analysis and validation
C2 15.4	Apply systematic procedure for software design and deployment
C2 15.5	Compare and contrast the various testing and maintenance
C2 15.6	Manage project schedule, estimate project cost and effort required

Course Name :		C3 02	Course Year :	2022-2023

Course Name	Statements
C3 02.1	Understand the basic layers and its functions in computer networks.
C3 02.2	Evaluate the performance of a network.
C3 02.3	Understand the basics of how data flows from one node to another.
C3 02.4	Analyze and design routing algorithms.
C3 02.5	Design protocols for various functions in the network.
C3 02.6	Understand the working of various application layer protocols.

Course Name :		C3 11	Course Year :	2022-2023

Course Name	Statements
C3 11.1	Use appropriate search algorithms for any AI problem
C3 11.2	Represent a problem using first order and predicate logic
C3 11.3	Provide the apt agent strategy to solve a given problem
C3 11.4	Design software agents to solve a problem
C3 11.5	Design applications for NLP that use Artificial Intelligence.

Course Name :		C4 02	Course Year :	2023-2024

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 08	Course Year :	2023-2024

Course Name	Statements

C4	08.1	Understand different human values and stress management
C4	08.2	Summarize the Engineering ethics and its related theories
C4	08.3	Identify professional responsibilities and understand codes of ethics
C4	08.4	Analyze risk benefits and understand the rights for engineers
C4	08.5	Explain the concepts of ethics in the global context like engineers as expert witness and advisors

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	2	-	-	-	-	-	-	-	-	-
C203.2	3	3	2	-	-	-	-	-	-	-	-	-
C203.3	3	3	2	-	-	-	-	-	-	-	-	-
C203.4	3	3	2	-	-	-	-	-	-	-	-	-
C203.5	2	3	3	-	-	-	-	-	-	-	-	-
Average	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2 . course name : C215

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C215.1	3	3	2	-	-	-	-	1	-	-	2	1
C215.2	3	3	2	-	-	-	-	1	-	-	1	1
C215.3	3	3	2	-	-	2	2	1	-	-	2	2
C215.4	3	3	3	-	1	2	2	1	1	1	-	2
C215.5	3	3	2	-	1	1	1	1	-	-	-	2
C215.6	3	3	3	-	1	2	2	2	3	2	3	2
Average	3.00	3.00	3.00	0.00	1.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00

3 . course name : C302

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C302.1	3	3	2	-	-	-	-	-	-	-	-	-
C302.2	3	3	2	-	-	-	-	-	-	-	-	-
C302.3	3	3	2	-	-	-	-	-	-	-	-	-
C302.4	3	3	3	-	-	-	-	-	-	-	-	-
C302.5	3	3	3	-	-	-	-	-	-	-	-	-
C302.6	3	3	2	-	-	-	-	-	-	-	-	-
Average	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4 . course name : C311

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C311.1	3	2	2	2	-	-	-	-	-	-	-	2
C311.2	3	2	2	2	-	-	-	-	-	-	-	2
C311.3	3	2	2	2	-	-	-	-	-	-	-	2
C311.4	3	3	3	2	-	1	1	1	-	-	-	2
C311.5	3	3	3	2	-	1	1	1	-	-	-	2
Average	3.00	3.00	3.00	2.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	2.00

5 . course name : C402

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

6 . course name : C408

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C408.1	-	-	-	-	-	-	1	3	2	-	-	-
C408.2	-	-	-	-	-	-	1	3	2	-	-	-
C408.3	-	-	-	-	-	2	2	3	2	1	1	-
C408.4	-	-	-	-	-	1	2	3	2	1	1	-
C408.5	-	-	-	-	-	2	2	3	2	1	1	-
Average	0.00	0.00	0.00	0.00	0.00	1.00	2.00	3.00	2.00	1.00	1.00	0.00

1 . Course Name : C203

Course	PSO1	PSO2	PSO3
C203.1	3	2	1
C203.2	3	2	2
C203.3	3	2	2
C203.4	3	2	3
C203.5	3	2	2
Average	3.00	2.00	2.00

2 . Course Name : C215

Course	PSO1	PSO2	PSO3
C215.1	-	1	2
C215.2	-	1	2
C215.3	-	1	2
C215.4	-	-	3
C215.5	-	-	3
C215.6	-	-	3
Average	0.00	1.00	3.00

3 . Course Name : C302

Course	PSO1	PSO2	PSO3
C302.1	-	2	1
C302.2	-	2	1
C302.3	-	2	1
C302.4	-	1	3
C302.5	-	1	3
C302.6	-	2	1
Average	0.00	2.00	2.00

4 . Course Name : C311

Course	PSO1	PSO2	PSO3
C311.1	2	2	1
C311.2	1	2	1
C311.3	1	2	1
C311.4	-	2	3
C311.5	-	2	3
Average	1.00	2.00	2.00

5 . Course Name : C402

Course	PSO1	PSO2	PSO3
C402.1	-	1	-
C402.2	-	1	2
C402.3	-	1	2
C402.4	-	1	2
C402.5	-	1	-
Average	0.00	1.00	2.00

6 . Course Name : C408

Course	PSO1	PSO2	PSO3
C408.1	- ⌄	- ⌄	- ⌄
C408.2	- ⌄	- ⌄	- ⌄
C408.3	- ⌄	- ⌄	- ⌄
C408.4	- ⌄	- ⌄	- ⌄
C408.5	- ⌄	- ⌄	- ⌄
Average	0.00	0.00	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	0	0	2	2	3	0	1
C102	3	3	3	2	0	0	0	0	2	0	0	0
C103	3	2	2	0	0	0	0	0	0	0	0	0
C104	3	2	2	0	0	0	0	0	0	0	0	0
C105	3	3	3	0	0	0	0	0	0	0	0	0
C106	3	3	3	0	2	0	0	1	2	2	0	2
C107	3	3	3	0	2	0	0	1	2	2	0	2
C108	3	3	3	0	0	0	0	1	2	2	0	0
C110	0	0	0	0	0	0	0	2	2	3	0	1
C111	3	3	3	2	0	0	0	0	2	0	0	0
C112	3	2	2	0	0	0	0	0	0	0	0	0
C113	3	3	3	0	0	0	0	0	0	0	0	0
C114	3	2	2	0	0	3	3	2	0	0	0	1
C115	3	3	3	0	0	0	0	2	2	2	0	2
C116	3	3	3	1	1	2	2	2	2	2	0	2
C117	3	3	3	0	0	0	0	2	2	2	0	2
C201	3	3	3	2	0	0	0	0	2	0	0	0
C202	3	3	3	0	0	0	0	0	0	0	0	0
C203	3	3	3	0	0	0	0	0	0	0	0	0
C204	3	3	3	0	0	0	0	0	0	0	0	0
C205	3	3	3	0	0	0	0	0	0	0	0	0
C206	3	3	3	0	0	0	0	1	2	2	0	2
C207	3	3	3	0	1	1	1	1	2	2	0	2
C208	3	3	3	0	0	0	0	1	2	2	0	2
C209	0	0	0	0	0	0	0	1	3	3	0	2
C210	3	3	3	2	0	0	0	0	2	0	0	0
C211	3	3	3	0	0	0	0	0	0	0	0	0
C212	3	3	3	0	0	0	0	0	0	0	0	0
C213	3	3	3	2	0	0	0	0	3	3	0	3
C214	3	3	3	0	0	0	0	0	0	0	0	0
C215	3	3	3	0	1	2	2	2	1	1	2	2
C216	3	3	3	0	0	0	0	1	2	2	0	2
C217	3	3	3	0	0	0	0	1	2	2	0	2
C218	0	0	0	0	0	0	0	1	3	3	0	2
C301	3	3	3	2	0	0	0	0	2	0	0	0
C302	3	3	3	0	0	0	0	0	0	0	0	0

C303	3	3	3	0	0	0	0	0	0	0	0	0
C304	3	3	3	2	0	0	0	0	0	0	0	0
C305	3	3	3	0	2	2	2	0	0	0	0	0
C306	3	3	3	0	0	0	0	0	0	0	0	0
C307	3	3	3	0	0	0	0	1	2	2	0	2
C308	3	3	3	0	2	2	2	2	2	2	2	2
C309	3	3	3	0	0	0	0	1	2	2	0	2
C310	3	3	3	0	0	0	0	1	2	2	0	2
C311	3	3	3	2	0	1	1	1	0	0	0	2
C312	3	3	3	0	0	0	0	0	0	0	0	0
C313	3	3	3	0	0	0	0	1	2	2	0	2
C314	3	3	3	0	0	0	0	0	0	0	0	0
C316	3	3	3	0	2	0	0	1	2	2	0	2
C317	3	3	3	0	2	2	2	2	2	2	0	2
C318	3	3	3	3	3	3	3	3	3	3	3	3
C319	0	0	0	0	0	0	0	1	2	3	0	2
C401	3	2	2	0	0	0	0	0	0	0	3	0
C402	3	3	3	0	0	0	0	0	0	0	0	0
C403	3	3	3	0	0	0	0	0	0	0	0	0
C404	3	3	3	0	0	0	0	0	0	0	0	0
C405	3	2	2	0	0	0	0	0	0	0	0	0
C407	3	3	3	0	2	0	0	1	2	2	0	2
C408	3	3	3	0	2	0	0	1	2	2	0	2
C410	0	0	0	0	0	1	2	3	2	1	1	0
C411	3	3	3	0	0	2	2	2	0	0	0	0
C412	3	3	3	3	3	3	3	3	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	0	0
C102	3	1	0
C103	0	0	0
C104	0	0	0
C105	0	0	0
C106	0	0	0
C107	1	2	3
C108	0	0	0
C110	0	0	0
C111	3	1	2
C112	0	0	0
C113	1	0	0
C114	0	0	0
C115	1	2	3
C116	0	0	0
C117	1	2	3
C201	3	1	0
C202	1	2	1
C203	3	2	2

C204	1	2	3
C205	1	0	0
C206	2	2	3
C207	1	2	3
C208	1	2	2
C209	0	0	0
C210	3	1	0
C211	1	3	0
C212	0	1	2
C213	2	2	2
C214	1	3	0
C215	0	1	3
C216	0	2	3
C217	1	3	1
C218	0	0	0
C301	3	0	1
C302	0	2	2
C303	0	3	0
C304	2	2	0
C305	0	1	3
C306	0	0	0
C307	0	3	1
C308	0	1	3
C309	0	2	2
C310	0	1	3
C311	1	2	2
C312	0	2	2
C313	1	3	0
C314	0	2	0
C316	0	1	3
C317	0	2	2
C318	3	3	3
C319	0	0	0
C401	0	0	1
C402	0	1	2
C403	0	1	2
C404	0	1	2
C405	0	2	1
C407	0	1	2
C408	0	1	2
C410	0	0	0
C411	0	1	1
C412	3	3	3

3.2 Attainment of Course Outcomes (50)   Total Marks 50.00

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

Institute Marks : 10.00

A. List of assessment processes:

Designing the COs for the individual subject is the foremost process. These COs are mapped with POs and PSOs. At the end of the course, attainment levels are calculated for the COs, POs and PSOs and need to be evaluated whether it is attained or not.
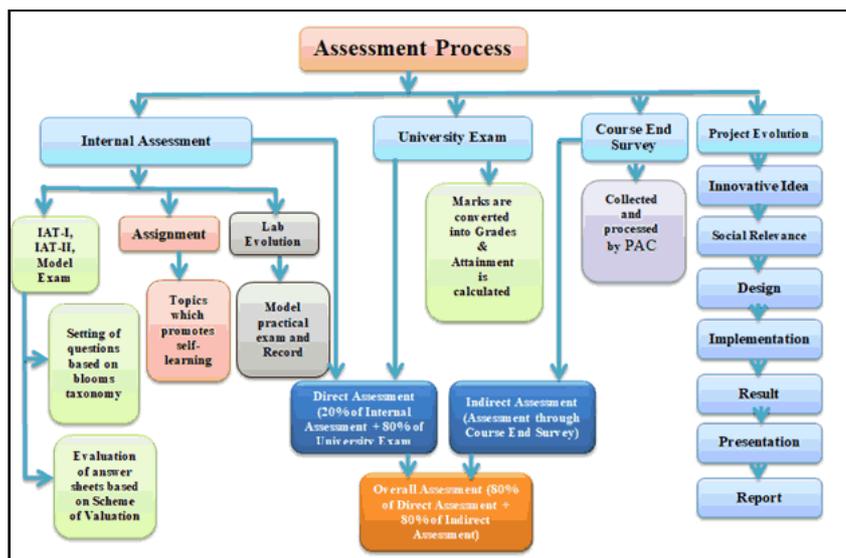

Fig: 3.1 - CO assessment prcess

Assessment Tools

Assessment Tools are categorized into direct and indirect methods. The CO, PO and PSO attainment is calculated based on the assessment process through assessment tools as shown in the figure 3.1. The direct assessment tools used to calculate the attainment of Course Outcomes are Internal Assessment Tests, Assignments and University Examination. 20% of weightage is given to Internal Assessment Tests and Assignments, 80% of weightage is given to University Examination. The indirect assessment tool used to calculate the attainment of Course end-survey. The Course End Survey consists of Questionnaires prepared with four scale range by focusing to evaluate the COs attainment of all courses in a semester.

Each CO is mapped with POs and the direct attainments of POs are calculated. The indirect assessment tools used to calculate the attainment of Program Outcomes are the Employer, Parent, Professional body activities and Graduate Exit Survey. For both PO and CO assessment, the weightage of direct assessment is 80% and indirect assessment is 20%.

Laboratory courses are assessed through the marks obtained by the students in the model examination, record book and university examination. Project courses are assessed through the marks obtained by the students in project reviews and project viva-voce examination. The project work is done as either single or a team of students not more than 3. A panel comprising of project coordinator, internal guide and a subject expert conducts the project review. Totally three reviews are conducted in regular intervals. At the end of the semester university conducts viva-voce examination. The attainment levels for recording the attainment of Course Outcomes are defined based on the average performance of students in each subject.

B. The quality of assessment process and tools used:

All the Internal Assessment marks will be uploaded in Anna University web portal and the internal marks will be awarded purely based on their marks in the internal assessment and the assignments. Therefore students are expected to take the tests seriously and perform well in the tests & examination. Parents are requested to have a close watch on their ward's performance.

Table 3.2 a - Internal Assessment process – Tools used

Test	Portion/Unit	Evaluation
Internal Assessment Test – I	UNIT 1&2	
Internal Assessment Test – II	UNIT 3&4	
Model Exam	All Units	**Evaluation within 3-5 days after the exam**
Assignment	2 per semester	
Model Practical Exam	All Experiments	

Table 3.2 b - Assessment process - Review

Assessment Tool	Assessment Frequency	Assessment Person	Assessment Review
Internal Assessment Test	Every Month	Faculty	IQAC
Assignment	2 Per Semester	Faculty	IQAC
Course End Survey	End of the Semester	Faculty and Student	IQAC
Projects	As per need	Faculty	IQAC
University Exam	End of the Semester	Faculty	IQAC

Attainment level:
Attainment level 1: 60% of students scoring more than 50 marks.
Attainment level 2: 70% of students scoring more than 50 marks.
Attainment level 3: 80% of students scoring more than 50 marks.

Table 3.2 c - Sample CO attainment

Attainment level of COs					
Assessment Type	CO 1	CO 2	CO 3	CO 4	CO 5
INTERNAL ASSESSMENT	3	3	2	3	2
UNIVERSITY EXAM	2	2	2	2	2
DIRECT ASSESSMENT	2.2	2.2	2.2	2.2	2.2
INDIRECT ASSESSMENT	2.6	2.6	2.5	2.7	2.6
OVERALL ASSESSMENT	2.3	2.3	2.1	2.3	2.1
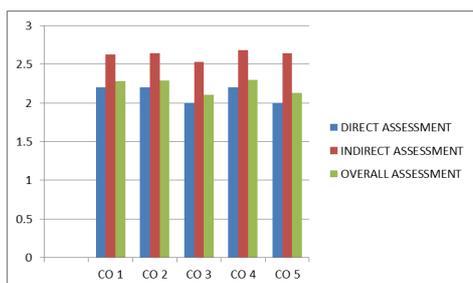
3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (40)

Institute Marks : 40.00

Sample Course Outcome attainment of 2020-24 Batch

Course Code	SEM	Subject	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
			Attainment Level					Attained Y/N				
MA8551		Discrete Mathematics	2.93	2.84	2.84	2.93	2.68	Y	Y	Y	Y	Y
CS8591		Digital Principles and System Design	2.84	2.68	2.68	2.93	-	Y	Y	Y	Y	-
EC8691		Data Structures	2.52	2.93	2.36	2.68	2.93	Y	Y	N	Y	Y
CS8501		Object Oriented Programming	2.84	2.93	2.68	2.93	2.36	Y	Y	Y	Y	N
CS8592	III	Communication Engineering	2.93	2.68	2.90	2.36	-	Y	Y	Y	N	-
OTL553		Data Structures Laboratory	3	3	3	3	-	Y	Y	Y	Y	-
EC8681		Object Oriented Programming Laboratory	3	3	3	3	-	Y	Y	Y	Y	-
CS8582		Digital Systems Laboratory	3	3	3	3	-	Y	Y	Y	Y	-
CS8581		Interpersonal Skills/Listening & Speaking	3	3	3	3	-	Y	Y	Y	Y	-

3.3 Attainment of Program Outcomes and Program Specific Outcomes (50)

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)

A) **PO Assessment Methodology and Tools**

Assessment Tools	Description	Assessment Frequency	Documentation of Maintenance
Direct Assessment Tools			
Course Evaluation			
Internal Test	IAT1,IAT2-100 marks Model-100 marks	3 Internal Assessment Test	Test papers are documented and marks are recorded. Internal test Question Paper and answer keys are maintained.
Assignment	2 Assignment	2 per semester	Sample assignment is documented
Anna University Exam	Anna University Question Paper	1 per semester	Result copy is documented
Lab Evaluation			
Internal Evaluation for Lab	Experiments. (Record/ Model Lab Exam)	1 – Model Exam	Record note for each student is maintained & sample record is documented.
Anna Univeristy Semester Lab	Anna University examination	1 per semester	Result copy is documented
Indirect Assessment Tools			
Graduate Exit survey	Immediately after the completion of course of study, the attainment of PO is analyzed by getting feedback from the students	Once in a year	Survey form is Documented
Parent Survey	For the attainment of PO the survey is taken from the parents during parent meet.	Once in a year	Survey form is Documented
Employers survey	Employer's survey is collected from the employers about the level to which Programme Outcomes are attained based on the performance and progress of graduated students from the department.	Once in a year	Survey form is Documented
Professional Body Activities survey	The survey is collected from the professional body activities survey who are involved in the growth of the institutions and who are visiting the institution frequently and who can be able to assess the students in line with POs.	After every activity	Survey form is Documented

B) **The Quality of Assessment Processes Used**

PO & PSO attainment process has been done by taking, direct and indirect assessment tools. In direct attainment marks obtained in IAT1, IAT2, Model, Assignment and Uni are taken into account. For indirect attainment surveys were taken from all the stakeholders. The process for attainment of each program outcome based on the assessment described as in figure below
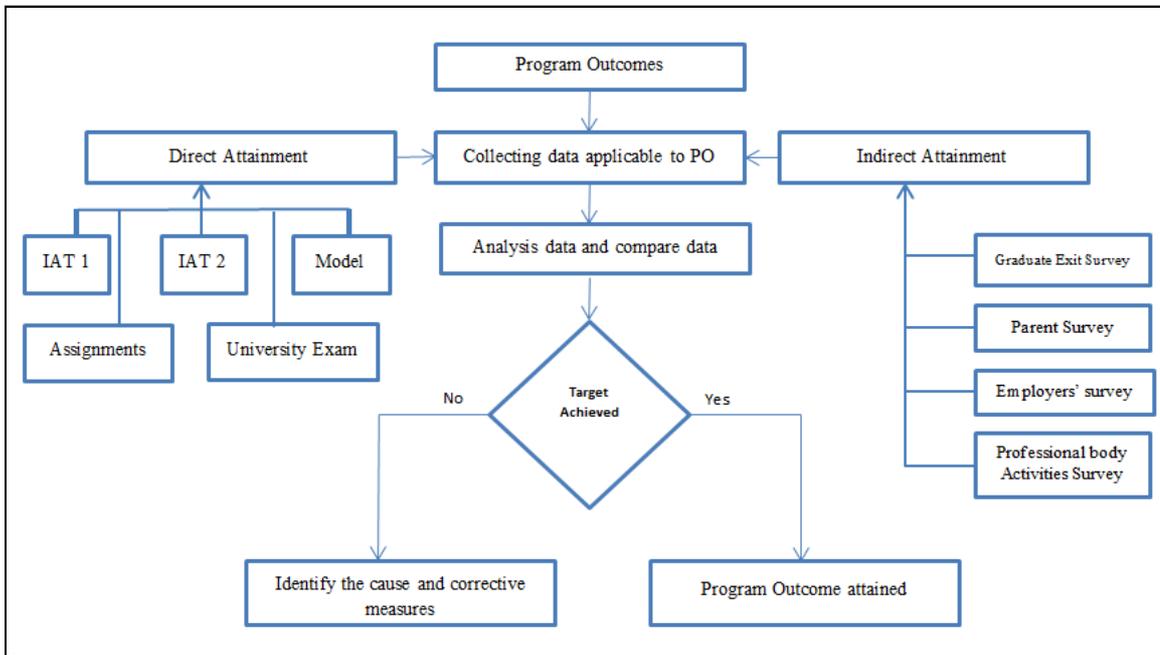
Fig 3.2: PO Attainment Process and Tools

Table 3.3 - Sample PO Attainment

Subject Code / Name : CS8691 Artificial Intelligence																												
	PO1		PO2		PO3		PO4		PO5		PO6		PO7		PO8		PO9		P10		P11		P12		PSO1	
Course Outcome	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	ACL	CL	AC
C311.1	2	1.52	2	1.52	2	1.52	2	1.52	-	-	1	0.76	-	-	1	0.76	-	-	-	-	-	-	1	0.76	1	0.
C311.2	3	2.29	3	2.29	2	1.53	1	0.76	-	-	-	-	1	0.76	1	0.76	-	-	-	-	-	-	1	0.76	-	-
C311.3	3	2.27	3	2.27	3	2.27	1	0.76	-	-	1	0.76	-	-	1	0.76	-	-	-	-	-	-	1	0.76	1	0.
C311.4	2	1.53	2	1.53	2	1.53	1	0.77	-	-	-	-	1	0.77	-	-	-	-	-	-	-	-	1	0.77	-	-
C311.5	2	1.52	2	1.52	2	1.52	2	1.52	-	-	1	0.76	1	0.76	1	0.76	-	-	-	-	-	-	2	1.52	1	0.
Total	12	9	12	9	11	8	7	5	-	-	3	2	3	2	4	3	-	-	-	-	-	-	6	5	3	2
Achieved Correlation value	76		76		76		76		-		76		76		76		-		-		-		76		76	
Mapping Level	3		3		3		2		-		1		1		1		-		-		-		2		1	
Attainment Level	2.28		2.28		2.28		1.52		-		0.76		0.76		0.76		-		-		-		1.52		0.76	
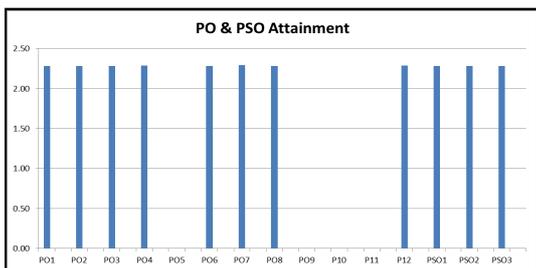
PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	0	0	0	0	0	0	0	3.00	3.00	3.00	0	3.00
C102	3.00	3.00	3.00	3.00	0	0	0	0	3.00	0	0	0
C103	3.00	3.00	3.00	0	0	0	0	0	0	0	0	0
C104	3.00	3.00	3.00	0	0	0	0	0	0	0	0	0
C105	3.00	3.00	3.00	0	0	0	0	0	0	0	0	0
C106	3.00	3.00	3.00	0	3.00	0	0	3.00	3.00	3.00	0	3.00
C107	3.00	3.00	3.00	0	3.00	0	0	3.00	3.00	3.00	0	3.00
C108	3.00	3.00	3.00	0	0	0	0	3.00	3.00	3.00	0	0
C110	0	0	0	0	0	0	0	3.00	3.00	3.00	0	3.00
C111	3.00	3.00	3.00	3.00	0	0	0	0	3.00	0	0	0
C112	3.00	3.00	3.00	0	0	0	0	0	0	0	0	0
C113	3.00	3.00	3.00	0	0	0	0	0	0	0	0	0
C114	3.00	3.00	3.00	0	0	3.00	3.00	3.00	0	0	0	3.00
C115	3.00	3.00	3.00	0	0	0	0	3.00	3.00	3.00	0	2.00
C116	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	0	3.00
C117	3.00	3.00	3.00	0	0	0	0	3.00	3.00	3.00	0	3.00
C201	2.93	2.92	2.92	2.93	0	0	0	0	2.93	0	0	0
C202	2.92	2.92	2.92	0	0	0	0	0	0	0	0	0
C203	2.93	2.92	2.92	0	0	0	0	0	0	0	0	0
C204	2.92	2.92	2.92	0	0	0	0	0	0	0	0	0
C205	2.93	2.92	2.92	0	0	0	0	0	0	0	0	0
C206	2.95	2.96	2.95	0	0	0	0	2.94	2.97	2.94	0	2.94
C207	2.94	2.93	2.85	0	2.91	3.00	3.00	3.00	2.94	2.96	0	2.97
C208	2.95	2.95	2.95	0	0	0	0	2.91	2.94	2.97	0	2.97
C209	0	0	0	0	0	0	0	2.91	2.95	2.95	0	2.96
C210	1.65	1.00	1.01	1.00	0	0	0	0	1.00	0	0	0
C211	1.64	1.65	1.64	0	0	0	0	0	0	0	0	0
C212	1.01	1.01	1.00	0	0	0	0	0	0	0	0	0
C213	2.28	2.29	2.28	2.28	0	0	0	0	2.28	2.28	0	2.28
C214	1.01	1.01	1.94	0	0	0	0	0	0	0	0	0
C215	1.00	1.01	1.00	0	0.99	1.00	1.00	1.00	0.99	0.99	1.00	1.00
C216	2.94	2.96	2.94	0	0	0	0	2.94	2.97	2.94	0	2.97
C217	2.94	2.94	2.94	0	0	0	0	2.91	2.97	2.94	0	2.94
C218	0	0	0	0	0	0	0	2.94	2.95	2.95	0	2.94
C301	1.00	1.00	2.97	1.00	0	0	0	0	1.00	0	0	0
C302	1.01	1.01	1.00	0	0	0	0	0	0	0	0	0
C303	1.64	1.65	1.65	0	0	0	0	0	0	0	0	0
C304	1.00	1.00	1.00	1.01	0	0	0	0	0	0	0	0
C305	1.00	1.01	1.01	0	1.01	1.01	2.97	0	0	0	0	0
C306	2.29	2.28	2.28	0	0	0	0	0	0	0	0	0
C307	2.94	2.95	2.93	0	0	0	0	2.91	1.50	2.89	0	2.95
C308	2.96	2.96	2.95	0	2.97	2.94	2.97	2.97	2.94	2.94	2.97	2.97
C309	2.95	2.95	2.95	0	0	0	0	3.00	2.95	2.95	0	2.95

C310	2.28	0.63	0.63	0	0	0	0	0.84	0.95	0.86	0	0.96
C311	2.28	2.28	2.28	2.28	0	2.28	2.28	2.28	0	0	0	2.28
C312	2.28	2.28	2.28	0	0	0	0	0	0	0	0	0
C313	1.08	1.08	1.08	0	0	0	0	2.94	1.08	1.05	0	0
C314	2.64	1.58	1.58	0	0	0	0	0	0	0	0	0
C316	2.94	2.93	2.94	0	2.94	0	0	2.94	2.97	2.94	0	2.94
C317	2.96	2.93	2.96	0	2.93	2.94	2.94	2.93	2.95	2.92	0	2.92
C318	2.94	2.96	2.96	2.96	2.94	2.96	2.94	2.96	2.96	2.96	2.94	2.94
C319	0	0	0	0	0	0	0	2.94	2.97	1.97	0	2.95
C401	2.29	2.28	2.28	0	0	0	0	0	0	0	2.28	0
C402	1.64	1.64	1.65	0	0	0	0	0	0	0	0	0
C403	2.29	2.28	2.28	0	0	0	0	0	0	0	0	0
C404	2.92	2.92	2.93	0	0	0	0	0	0	0	0	0
C405	1.64	1.00	1.64	0	0	0	0	0	0	0	0	0
C407	2.95	2.95	2.94	0	2.97	0	0	2.91	2.97	2.97	0	2.94
C408	2.95	2.95	2.95	0	3.00	0	0	2.91	2.97	2.97	0	2.94
C410	0	0	0	0	0	2.91	2.93	2.92	2.93	2.94	2.91	0
C411	2.92	2.92	2.92	0	0	2.93	2.93	2.93	0	0	0	0
C412	2.96	2.96	2.96	2.93	2.96	2.96	2.95	2.96	2.96	2.94	2.96	2.94
PO Attainment	2.50	2.47	2.52	2.38	2.67	2.59	2.71	2.78	2.63	2.70	2.53	2.74

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.48	2.41	2.47	2.31	2.66	2.58	2.74	2.81	2.63	2.71	2.51	2.75
InDirect Attainment	2.6	2.7	2.7	2.64	2.69	2.61	2.59	2.64	2.65	2.65	2.62	2.70

PSO Attainment

Course	PSO1	PSO2	PSO3
C101	0	0	0
C102	3.00	3.00	0
C103	0	0	0
C104	0	0	0
C105	0	0	0
C106	0	0	0
C107	3.00	3.00	3.00
C108	0	0	0
C110	0	0	0
C111	3.00	3.00	0
C112	0	0	0
C113	3.00	0	0
C114	0	0	0
C115	3.00	3.00	3.00
C116	0	0	0
C117	3.00	3.00	3.00
C201	2.92	2.91	0
C202	2.91	2.93	2.91
C203	2.93	2.93	2.93
C204	2.94	2.93	2.92
C205	2.91	0	0
C206	2.97	2.94	2.95
C207	2.91	2.97	2.95

C208	2.94	2.94	2.94
C209	0	0	0
C210	1.00	2.97	0
C211	1.65	1.65	0
C212	0	0.99	1.01
C213	2.28	2.28	2.28
C214	0.99	1.00	0
C215	0	0.02	1.00
C216	0	2.94	2.95
C217	2.91	1.97	3.00
C218	0	0	0
C301	1.00	0.99	0
C302	0	1.01	1.01
C303	0	2.97	0
C304	1.01	2.97	0
C305	0	2.97	1.01
C306	0	0	0
C307	0	2.96	2.91
C308	0	2.94	2.96
C309	0	2.97	2.97
C310	0	2.64	0.95
C311	2.28	1.83	1.83
C312	0	2.28	2.5
C313	1.08	1.08	0
C314	0	1.58	0
C316	0	3.00	2.95
C317	0	2.97	2.97
C318	2.96	2.95	2.96
C319	0	0	0
C401	0	0	2.28
C402	0	1.65	1.65
C403	0	2.28	2.28
C404	0	2.91	2.29
C405	0	1.13	0.99
C407	0	2.94	2.94
C408	0	2.94	2.96
C410	0	0	0
C411	0	2.91	2.91
C412	2.96	2.96	2.95
PSO Attainment	2.51	2.51	2.50

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	2.46	2.44	2.44
InDirect Attainment	2.73	2.79	2.73

4 STUDENTS' PERFORMANCE (150)　　　　　　　　　　　　　　　　　Total Marks 100.03

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23(CAYm2)	2021-22(CAYm3)	2020-21(CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
Sanctioned intake of the program(N)	120	120	120	120	120	120	120
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus No. of students migrated to this program (N1)	103	115	103	116	100	113	63
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	0	2	1	3	1	1
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	103	115	105	117	103	114	64

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester/ year of study (Without Backlog means no compartment or failures in any semester/ year of study)			
		I year	II year	III year	IV year
2024-25 (CAY)	103	0	0	0	0
2023-24 (CAYm1)	115	14	0	0	0
2022-23 (CAYm2)	103	31	13	0	0
2021-22 (CAYm3)	117	24	14	14	0
2020-21 (LYG)	103	88	14	9	9
2019-20 (LYGm1)	114	27	27	14	14
2018-19 (LYGm2)	64	4	4	4	4

Table 4.3

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2024-25 (CAY)	103	0	0	0	0
2023-24 (CAYm1)	115	108	0	0	0
2022-23 (CAYm2)	103	96	89	0	0
2021-22 (CAYm3)	117	109	99	98	0
2020-21 (LYG)	103	95	90	89	53
2019-20 (LYGm1)	114	109	108	106	70
2018-19 (LYGm2)	64	61	56	56	44

4.1 Enrolment Ratio (20)   Total Marks 18.00

                                                                                         Institute Marks : 18.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)	120	103	85.83
2023-24 (CAYm1)	120	115	95.83
2022-23 (CAYm2)	120	103	85.83

Average [(ER1 + ER2 + ER3) / 3] : 89.16

Assessment : 18.00

4.2 Success Rate in the stipulated period of the program (40)   Total Marks 11.30

4.2.1 Success rate without backlogs in any semester / year of study (25)   Institute Marks : 2.25

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)	Latest Year of Graduation minus 2 LYGm2 (2018-19)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	103.00	114.00	64.00
Y Number of students who have graduated without backlogs in the stipulated period	9.00	14.00	4.00
Success Index [SI = Y / X]	0.09	0.12	0.06

Average SI [(SI1 + SI2 + SI3) / 3] : 0.09

Assessment [25 * Average SI] : 2.25

4.2.2 Sucess rate in stipulated period (15)   Institute Marks : 9.05

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)	Latest Year of Graduation minus 2 LYGm2 (2018-19)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	103.00	114.00	64.00
Y Number of students who have graduated in the stipulated period	53.00	70.00	44.00
Success Index [SI = Y / X]	0.51	0.61	0.69

Average SI[(SI1 + SI2 + SI3) / 3]: 0.60

Assessment [15 * Average SI] : 9.05

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 8.13

Institute Marks : 8.13

Academic Performance	CAYm3 (2021-22)	LYG (2020-21)	LYGm1 (2019-20)
Mean of CGPA or mean percentage of all successful students(X)	7.17	5.22	4.19
Total number of successful students(Y)	98.00	89.00	106.00
Totalnumber of students appeared in the examination(Z)	99.00	90.00	108.00

Average API [(AP1 + AP2 + AP3)/3] : 5.42

Assessment [1.5 * AverageAPI] : 8.13

4.4 Academic Performance in Second Year (15)   Total Marks 7.80

Institute Marks : 7.80

Academic Performance	CAYm2 (2022-23)	CAYm3 (2021-22)	LYG (2020-21)
Mean of CGPA or mean percentage of all successful students(X)	6.82	6.18	4.19
Total number of successful students (Y)	89.00	99.00	90.00
Total number of students appeared in the examination (Z)	98.00	110.00	98.00
API [X * (Y/Z)]	6.19	5.56	3.85

Average API [(AP1 + AP2 + AP3)/3] : 5.20

Assessment [1.5 * AverageAPI] : 7.80

4.5 Placement, Higher Studies and Entrepreneurship (40)   Total Marks 34.80

Institute Marks : 34.80

Item	LYG (2020-21)	LYGm1 (2019-20)	LYGm2 (2018-19)
Total No of Final Year Students(N)	89.00	106.00	56.00
No of students placed in the companies or government sector(X)	77.00	82.00	49.00
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	4.00	1.00
No of students turned entrepreneur in engineering/technology (Z)	1.00	1.00	1.00
x + y + z =	78.00	87.00	51.00
Placement Index [(X+Y+Z)/N] :	0.88	0.82	0.91

Average Placement [(P1 + P2 + P3)/3] :   0.87

Assessment [40 * Average Placement] : 34.80

Program Name :
Assessment Year Name : CAYm1

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	HARIKA K	210520104034	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 031
2	AMLE ANGELIN	210520104009	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 032
3	AROKIA ROMERO PRINCY P	210520104018	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 033
4	DHINAKARAN V	210520104028	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 034
5	DHAVASEELAN R	210520104027	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 035
6	MICK NITHIN S	210520104055	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 036
7	ANTONY LAYOLA JERT M	210520104016	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 037
8	YOVAN AVINASH Y	210520104099	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 038
9	SAI GANESH	210520104072	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 039
10	JOSHNA N	210520104041	QUAPT TECHNOLOGIES PVT LTD	DMICE/2023-2024/CSE/OFFER 040
11	SWETHA RAVI	210520104089	QUAPT TECHNOLOGIES PVT LTD	DMICE/2023-2024/CSE/OFFER 041
12	EBENAZER PAUL SAMUEL	210520104301	M/s. MOVATE	DMICE/2023-2024/CSE/OFFER 042
13	KEERTHIKA P	210520104048	M/s ZINNOV	DMICE/2023-2024/CSE/OFFER 043
14	DEVARAJ S	210520104026	M/s ZINNOV	DMICE/2023-2024/CSE/OFFER 044
15	PRINCY V	210520104065	M/s ZINNOV	DMICE/2023-2024/CSE/OFFER 045
16	MOHAMED THOUZEEF	210520104056	SMARTED	DMICE/2023-2024/CSE/OFFER 046
17	YOGESH B	210520104098	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 047
18	SHANMUGAM M	210520104080	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 048
19	RAHUL V	210520104066	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 049
20	SUNIL KUMAR	210520104302	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 050
21	VITRAG BARIA P	210520104097	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 051
22	ANBARASAN N	210520104012	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 052
23	JEELANI Y	210520104040	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 053
24	THARUN S	210520104090	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 054
25	KISHORE D	210520104050	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 055
26	HAIHSON S	210520104033	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 056
27	VASANTHA KUMAR L	210520104093	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 057
28	ARVINDH R	210520104019	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 058
29	PATHMANABAN.D	210520104062	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 059
30	DINESH E	210520104029	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 060
31	NIRMALKUMAR.M	210520104060	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 061
32	SARATH KUMAR R	210520104078	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 062
33	SANGAMESWARAN R	210520104501	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 063
34	SURESH.C	210520104303	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 064
35	KALYANA SUNDARAM M	210520104045	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 065
36	KAMESH V	210520104046	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 066
37	LOGESH A	210520104051	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 067
38	MOHANKUMAR.K	210520104058	THINKSYNQ	DMICE/2023-2024/CSE/OFFER 068
39	JULIET J	210520104043	ACADEMOR	DMICE/2023-2024/CSE/OFFER 069
40	SANKARI S	210520104076	ACADEMOR	DMICE/2023-2024/CSE/OFFER 070
41	SHEEBA S	210520104081	ACADEMOR	DMICE/2023-2024/CSE/OFFER 071
42	JABEZ LIVINGSTON A	210520104037	ACADEMOR	DMICE/2023-2024/CSE/OFFER 072
43	RAHUL ANTONY L	210520104067	ACADEMOR	DMICE/2023-2024/CSE/OFFER 073
44	SRIMATHI M	210520104086	ACADEMOR	DMICE/2023-2024/CSE/OFFER 074
45	ALAN JOHN KIRUBAKARAN D	210520104006	ACADEMOR	DMICE/2023-2024/CSE/OFFER 075
46	AMRUTHA MERIN SUNNY	210520104011	ACADEMOR	DMICE/2023-2024/CSE/OFFER 076
47	NITHYA PRIYA J	210520104061	M/s TECHNOLOHIES GLOBAL PVT LTD	DMICE/2023-2024/CSE/OFFER 077
48	JAYAPRAKASH P	210520104039	EV CONNEX	DMICE/2023-2024/CSE/OFFER 001
49	SAMUEL EZHIL PRABHAKARAN J	210520104074	DP WORLD, DUBAI	DMICE/2023-2024/CSE/OFFER 002

50	SNEKA K	210520104084	FOXCONN	DMICE/2023-2024/CSE/OFFER 003
51	BHARATHI M	210520104023	FOXCONN	DMICE/2023-2024/CSE/OFFER 004
52	RATHISREE D	210520104068	FOXCONN	DMICE/2023-2024/CSE/OFFER 005
53	ANTO V	210520104015	FOXCONN	DMICE/2023-2024/CSE/OFFER 006
54	KALEESWARI K	210520104044	FOXCONN	DMICE/2023-2024/CSE/OFFER 007
55	VARSHA M	210520104092	FOXCONN	DMICE/2023-2024/CSE/OFFER 008
56	SINDHU S	210520104083	FOXCONN	DMICE/2023-2024/CSE/OFFER 009
57	PRAISY M	210520104064	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 010
58	ASHIKA RAJ	210520104020	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 011
59	SHALINI B	210520104079	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 012
60	SANDHIYA S V	210520104075	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 013
61	SANTHOSH B	210520104077	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 014
62	YUGENDRAN S	210520104100	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 015
63	EVZEN ROY E	210520104031	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 016
64	SURESH R	210520104088	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 017
65	AMOS PRAKASH	210520104010	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 018
66	AMIR SUFREN S	210520104008	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 019
67	SHENILE A	210520104082	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 020
68	SOUNDARIYA M	210520104085	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 021
69	VAISHNAVI M	210520104091	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 022
70	PIO WILSON	210520104063	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 023
71	JOSHNA AGNES J	210520104042	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 024
72	AUSNATH A	210520104021	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 025
73	HARSHINI N	210520104036	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 026
74	ANITHA K	210520104014	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 027
75	ANDERSON A S	210520104013	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 028
76	AKSHAYA J	210520104005	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 029
77	MATHAN. M	210520104053	Ms SKILL DHUNIA	DMICE/2023-2024/CSE/OFFER 030

Assessment Year Name : CAYm2

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ANBU RAJA R	210519104011	SUTHERLAND GLOBAL SERVICE	DMICE/2022-2023/CSE/OFFER 001
2	KARTHIGA.G	210519104048	SUTHERLAND GLOBAL SERVICE	DMICE/2022-2023/CSE/OFFER 002
3	KEVIN JOSE	210519104051	SUTHERLAND GLOBAL SERVICE	DMICE/2022-2023/CSE/OFFER 003
4	MANOJ KUMAR P	210519104057	SUTHERLAND GLOBAL SERVICE	DMICE/2022-2023/CSE/OFFER 004
5	REVATHI T.P	210519104080	SUTHERLAND GLOBAL SERVICE	DMICE/2022-2023/CSE/OFFER 005
6	SIVA SUBRAMANIYAN	210519104098	SUTHERLAND GLOBAL SERVICE	DMICE/2022-2023/CSE/OFFER 006
7	SNEHA.S	210519104099	SUTHERLAND GLOBAL SERVICE	DMICE/2022-2023/CSE/OFFER 007
8	ROMIL R	210519104081	SUTHERLAND GLOBAL SERVICE	DMICE/2022-2023/CSE/OFFER 008
9	ABINESH R	210519104005	AVASOFT	DMICE/2022-2023/CSE/OFFER 009
10	ASHLEY EBETHA J	210519104018	AVASOFT	DMICE/2022-2023/CSE/OFFER 010
11	DHARSHINI	210519104026	AVASOFT	DMICE/2022-2023/CSE/OFFER 011
12	SANDHYA S	210519104086	AVASOFT	DMICE/2022-2023/CSE/OFFER 012
13	SANDIYO CHRISTAN A	210519104087	AVASOFT	DMICE/2022-2023/CSE/OFFER 013
14	SHRUTHI J	210519104095	AVASOFT	DMICE/2022-2023/CSE/OFFER 014
15	SRISHHA D	210519104100	AVASOFT	DMICE/2022-2023/CSE/OFFER 015
16	STALIN SACRATES	210519104101	AVASOFT	DMICE/2022-2023/CSE/OFFER 016
17	MOHAMMED AFTHAF M	210519104061	UNLIMITED INNOVATIN	DMICE/2022-2023/CSE/OFFER 017
18	GAYATHRI M	210519104035	JOY TECHNOLOGIES	DMICE/2022-2023/CSE/OFFER 018
19	PREETHI SALO J	210519104074	JOY TECHNOLOGIES	DMICE/2022-2023/CSE/OFFER 019
20	SIVARANJANI E	210519104097	JOY TECHNOLOGIES	DMICE/2022-2023/CSE/OFFER 020
21	LAVANYA E	210519104052	TVM INFOTECH	DMICE/2022-2023/CSE/OFFER 021
22	NIKITTA JOSHIE J	210519104067	TVM INFOTECH	DMICE/2022-2023/CSE/OFFER 022
23	PAVATHARANI R	210519104069	TVM INFOTECH	DMICE/2022-2023/CSE/OFFER 023
24	SENBAGAVALLI	210519104093	TVM INFOTECH	DMICE/2022-2023/CSE/OFFER 024
25	SWETHA VARSHINI VENKATESAN	210519104105	TVM INFOTECH	DMICE/2022-2023/CSE/OFFER 025
26	AISHWARYA M	210519104007	LEADPRO	DMICE/2022-2023/CSE/OFFER 026
27	ANGEL PRINCY A	210519104012	LEADPRO	DMICE/2022-2023/CSE/OFFER 027
28	ANGEL SNEHA A	210518104006	LEADPRO	DMICE/2022-2023/CSE/OFFER 028
29	ANISHA S	210518104007	LEADPRO	DMICE/2022-2023/CSE/OFFER 029
30	ANITHA A	210519104013	LEADPRO	DMICE/2022-2023/CSE/OFFER 030
31	GOWTHAM T	210519104023	LEADPRO	DMICE/2022-2023/CSE/OFFER 031
32	HARINI S	210519104024	LEADPRO	DMICE/2022-2023/CSE/OFFER 032
33	JEVITHA R	210519104025	LEADPRO	DMICE/2022-2023/CSE/OFFER 033
34	JHANSI.S	210519104029	LEADPRO	DMICE/2022-2023/CSE/OFFER 034
35	KARTHICK V	210519104028	LEADPRO	DMICE/2022-2023/CSE/OFFER 035
36	KARTHIGA.G	210519104030	LEADPRO	DMICE/2022-2023/CSE/OFFER 036
37	KAVIYA S	210519104034	LEADPRO	DMICE/2022-2023/CSE/OFFER 037
38	KEVIN JOSE	210519104041	LEADPRO	DMICE/2022-2023/CSE/OFFER 038
39	LAVANYA E	210519104042	LEADPRO	DMICE/2022-2023/CSE/OFFER 039
40	MADIHA ZEHRA K	210519104056	LEADPRO	DMICE/2022-2023/CSE/OFFER 040
41	NAVEEN S	210519104065	LEADPRO	DMICE/2022-2023/CSE/OFFER 041
42	VIGNESH V	210518104059	LEADPRO	DMICE/2022-2023/CSE/OFFER 042
43	VINCENT LEO VIMAL M	210518104110	LEADPRO	DMICE/2022-2023/CSE/OFFER 043
44	PERIYA NAYAKI SUBHIKSHA P	210519104071	BOTREE	DMICE/2022-2023/CSE/OFFER 044
45	CHARLES	210518104013	BOTREE	DMICE/2022-2023/CSE/OFFER 045
46	BALA J	210519104021	BOTREE	DMICE/2022-2023/CSE/OFFER 046
47	JERRY HANOCK T	210519104040	BOTREE	DMICE/2022-2023/CSE/OFFER 047
48	AJAY A	210519104008	BOTREE	DMICE/2022-2023/CSE/OFFER 048
49	KARAN KUMAR S	210519104045	BOTREE	DMICE/2022-2023/CSE/OFFER 049

50	SURIYA R	210519104102	BOTREE	DMICE/2022-2023/CSE/OFFER 050
51	SALETH PRATHIKSHA P	210519104085	BOTREE	DMICE/2022-2023/CSE/OFFER 051
52	ASHWANTH P S	210519104019	QSPIDER	DMICE/2022-2023/CSE/OFFER 052
53	GOKUL .B	210519104036	QSPIDER	DMICE/2022-2023/CSE/OFFER 053
54	GOWTHAM K	210519104037	QSPIDER	DMICE/2022-2023/CSE/OFFER 054
55	KEERTHANA B	210519104050	QSPIDER	DMICE/2022-2023/CSE/OFFER 055
56	ABDUL RAHMAN V	210519104002	QSPIDER	DMICE/2022-2023/CSE/OFFER 056
57	MOUNIKA.R	210519104062	QSPIDER	DMICE/2022-2023/CSE/OFFER 057
58	MUTHU M	210519104064	QSPIDER	DMICE/2022-2023/CSE/OFFER 058
59	PAVITHRAN R	210519104070	QSPIDER	DMICE/2022-2023/CSE/OFFER 059
60	GOWTHAM T	210519104038	QSPIDER	DMICE/2022-2023/CSE/OFFER 060
61	KARTHICK V	210519104047	QSPIDER	DMICE/2022-2023/CSE/OFFER 061
62	MILAN BREUNO.D	210519104301	QSPIDER	DMICE/2022-2023/CSE/OFFER 062
63	RAYMOND RAJ M	210519104078	GODIGIT	DMICE/2022-2023/CSE/OFFER 063
64	FREDERICK LENIN D	210519104033	ASPIRE SYSTEMS	DMICE/2022-2023/CSE/OFFER 064
65	HARINI S	210519104039	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 065
66	KAVIYA S	210519104049	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 066
67	MADIHA ZEHRA K	210519104054	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 067
68	MAGESH B	210519104055	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 068
69	MUKESH KUMAR J	210519104063	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 069
70	PRAJITH.M	210519104072	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 070
71	PRIYADHARSHINI G	210519104075	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 071
72	SINDHU .M	210519104096	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 072
73	SURYA SIVARAJ .M	210519104104	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 073
74	VASIM E	210519104106	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 074
75	VISHWA S	210519104111	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 075
76	ADHITHYAN U	210519104006	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 076
77	DINESH KUMAR.S	210519104027	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 077
78	ARUN PANDI A	210519104016	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 078
79	ARUN KUMAR M	210519104015	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 079
80	AARY INFANT REWIN A	210519104001	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 080
81	BALA SUTHAKAR N	210519104022	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 081
82	FATHIMA AMANI M S	210519104032	THINKSYNQ SOLUTION PVT LTD	DMICE/2022-2023/CSE/OFFER 082

Assessment Year Name : CAYm3

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ANISH LOURDU A	210518104008	REDGRAPE	DMICE/2021-2022/CSE/OFFER 001
2	PEROSHIA U	210518104038	EXCELACOM TECHNOLOGIES PVT LTD	DMICE/2021-2022/CSE/OFFER 002
3	G SATHISH KUMAR	210518104050	UNLIMITED INNOVATION	DMICE/2021-2022/CSE/OFFER 003
4	SIMEON ELIAS DAVID	210518104052	UNLIMITED INNOVATION	DMICE/2021-2022/CSE/OFFER 004
5	DEVA RAJ	210518104018	REVATURE CONSULTANCY SERVICE PVT LTD	DMICE/2021-2022/CSE/OFFER 005
6	LOGANATHAN R	210518104032	CAPGEMINI	DMICE/2021-2022/CSE/OFFER 006
7	CHARULATHA S	210518104014	CSS CORP	DMICE/2021-2022/CSE/OFFER 007
8	DEBORAH CATHEARINE N V	210518104016	TEGIT	DMICE/2021-2022/CSE/OFFER 008
9	AMUTHAVALLI J	210518104005	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 009
10	ASWINI C	210518104010	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 010
11	EMMIMAL .J	210518104024	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 011
12	KEERTHANA.A	210518104030	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 012
13	PERUMAL V	210518104039	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 013
14	PRAVEEN KUMAR M	210518104040	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 014
15	A.RICKY BEVAN	210518104045	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 015
16	SAKTHIVEL M	210518104046	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 016
17	P.SANTHOSH	210518104049	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 017
18	S.YAKESH	210518104060	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 018
19	R.AVINASH	210518104501	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 019
20	M.TAMIL SELVAN	210518104701	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 020
21	NANDHAKUMAR M	210518104034	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 021
22	NISHANTH R	210518104035	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 022
23	ALFRED	21051810402400	CAMPUS CONNECTION	DMICE/2021-2022/CSE/OFFER 023
24	SIVA PERUMAN E	210518104055	QSPIDER	DMICE/2021-2022/CSE/OFFER 024
25	YOGESHWARAN C	210518104061	TCS	DMICE/2021-2022/CSE/OFFER 025
26	RAM PRASATH M	210518104043	SUTHERLAND GLOBAL SERVICES	DMICE/2021-2022/CSE/OFFER 026
27	SUGANTH R A	210518104056	SUTHERLAND GLOBAL SERVICES	DMICE/2021-2022/CSE/OFFER 027
28	REENA N V	210518104044	SUTHERLAND GLOBAL SERVICES	DMICE/2021-2022/CSE/OFFER 028
29	LAKSHMI M	210518104031	SUTHERLAND GLOBAL SERVICES	DMICE/2021-2022/CSE/OFFER 029
30	DEEPAK SOLOMON E	210518104017	SUTHERLAND GLOBAL SERVICES	DMICE/2021-2022/CSE/OFFER 030
31	SHIMONA GERMI A	210518104047	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 031
32	SINDHUJA S	210518104011	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 032
33	JOHN BRITTO	210518104019	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 033
34	AMUTHAVALLI J	210518104020	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 034
35	ASWINI C	210518104028	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 035
36	EMMIMAL .J	210518104033	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 036
37	KEERTHANA.A	210518104037	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 037
38	PERUMAL V	210518104042	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 038
39	PRAVEEN KUMAR M	210518104051	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 039
40	A.RICKY BEVAN	210518104053	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 040
41	SAKTHIVEL M	210518104301	M/s THINKSYNQ SOLUTION PVT LTD	DMICE/2021-2022/CSE/OFFER 041
42	JEROME SAMUEL J	210518104029	M/S AVASOFT	DMICE/2021-2022/CSE/OFFER 042
43	ELAKKIYA S	210518104023	M/S AVASOFT	DMICE/2021-2022/CSE/OFFER 043
44	BLESSY PRATHIMA P	210518104012	M/S AVASOFT	DMICE/2021-2022/CSE/OFFER 044
45	GANESH KUMAR P	210518104025	M/S AVASOFT	DMICE/2021-2022/CSE/OFFER 045
46	SAM SUNDAR B	210518104048	M/S AVASOFT	DMICE/2021-2022/CSE/OFFER 046
47	THIMOTHY IMMANUEL PHYAZ J	210518104058	M/S AVASOFT	DMICE/2021-2022/CSE/OFFER 047
48	YUGASHINI S	210518104062	M/S AVASOFT	DMICE/2021-2022/CSE/OFFER 048
49	DIVYA S	210518104021	TECHNOLOGIES GLOBAL PVT LTD	DMICE/2021-2022/CSE/OFFER 049

4.6 Professional Activities (20)   Total Marks 20.00

4.6.1 Professional socties/ chapters and organizing engineering events (5)   Institute Marks : 5.00

A) Availability & activities of professional societies/chapters

Table 4.1 - Professional societies/chapters

S.No	Name of Professional Society/Chapters
1	Computer Society of India-CSI
2	Indian Society for Technical Education – ISTE
3	ICT Academy
4	International Association of Engineers – IAENG
5	Computer Science teachers Association – CSTA
6	SAE INDIA

B) Activities of professional societies/chapters

Table 4.2 - Sample Activities of professional societies conducted during Academic Year 2023-24

S.No	Activities	Date	Resource person with Designation	Professional Body
1	Certificate course on Cloud	07.02.2024 to 11.03.2024	ICT Academy & Paypal India	ICT Academy
2	Conducted Webinar on "Neural Networks"	07.06.2024	Mrs.J.Savija, Assistant Professor, Velammal Engineering College	Computer Society of India-CSI
3	Conducted Seminar on "Introduction to Cyber Security"	25.05.2024	Mr.Sandiyo Chrristan, (Alumni) Application Security Engineer, Avasoft, Chennai	Computer Society of India-CSI
4	RASMET'24	25-04-2024 & 26-04-2024	International Conference by DMICE	SAE INDIA
5	Conducted Webinar on "Microsoft Azure"	13.04.2024	Mr.Varun Rajan, Principal Architect, LTIMINDTREE, Bangalore	Computer Society of India-CSI
6	Conducted Seminar on "Full Stack Development"	23/02/2024	Mr R.David Samuel, (Alumni), Senior Systems Engineer, Infosys, Chennai	Computer Society of India-CSI
7	Conducted Workshop on "UI&UX Design"	08/11/2023 & 09/11/2023	Anipix Academy, Chennai	Computer Society of India-CSI
8	Conducted Workshop on "Augmented Reality and Virtual Reality"	17/10/2023 & 18/10/2023	Mr. Gokula Krishnan, Game Developer, Scopik Edutech Pvt Ltd, Chennai	Computer Society of India-CSI
9	Technical Symposium	13-10-2023	DMICE Deparment of CSE	SAE INDIA
10	Conducted Seminar on "AI in Drone Technologies"	05/09/2023	Mr. Jehoshaphat, (Alumni), CEO, Insysness Technologies Pvt Ltd, Chennai	Computer Society of India-CSI
11	Conducted Seminar on "Cyber Security tools"	25/08/2023	Ms. Shobana M, Technical Head, NIIT Ltd, Chennai	Computer Society of India-CSI

4.6.2 Publication of technical magazines, newsletters, etc. (5)   Institute Marks : 5.00

Relevance of the Newsletter and Magazine

Newsletters and magazines hold significant relevance in engineering colleges, serving as vital tools for academic and professional growth. These publications provide a platform for students and faculty to showcase their research, projects, and innovations, fostering a culture of knowledge sharing and intellectual curiosity. Newsletters and magazines serve as effective marketing tools, attracting prospective students and industry partners by demonstrating the Department's commitment to excellence and innovation. Our newsletter, DMI CSE SPRING, and e-Magazine- init(), embody our departments core values by Embracing the present moment, striving for excellence in all endeavours, cultivating confidence and maintaining a forward-looking vision.

Fig 5.1 - Sample Newsletter

Table 4.3 – Newsletter Details

Sl.no	Magazines	Editors
1	2023-24	Faculty : Ms. R. Babija AP/CSE Student: R. Ruban Lurdu
2	2022-2023	Faculty : Ms. R. Babija AP/CSE Student: Jerry Hanock
3	2021-2022	Faculty : Mrs. P. Swarna Lakshmi AP/CSE Student: Gladrin

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

Institute Marks : 10.00

Events within the state, Outside state and Prize awarded for such events:

Table 4.4 - Sample Students Achievments

S.NO	STUDENT NAME	NAME OF THE EVENT	DATE	COLEGE NAME	REMARKS
		SYMPOSIUM			
1	Ranjith	Pick & Speak Computex'24	06-11-2024	Apollo Engineering College	3rd Place
		Detective Hunt	06-11-2024	Apollo Engineering College	2nd Place
		QUIZ	06-11-2024	Apollo Engineering College	Participated
2	Aishwaryaa.K	WISSENAIER'3 2024	27-08-2024	SIMATS	Participated
3	Belcia Inba Valar	WISSENAIER'3 2024	27-08-2024	SIMATS	Participated
4	N.Jeevitha	WISSENAIER'3 2024	27-08-2024	SIMATS	Participated
5	S.Sarath	FESTX'24	05-11-20224	Sai Ram Engineering College	Participated
6	Shan .V	Pick & Speak ,QUIZComputex'24	06-11-2024	Apollo Engineering College	Participated
7	C R Claflin	Paper Presented(Sustainxt summit24)	23-03-2024	Royal College of Engineering and Technology	Presented
8	V.Geethanjali	Paper Presented(Sustainxt summit24)	23-03-2024	Royal College of Engineering and Technology	Presented
9	Janani Sri G	Paper Presented(Sustainxt summit24)	23-03-2024	Royal College of Engineering and Technology	Presented
10	Venkatesh E	Debugging,Connexion	14-03-24 & 15-03-24	SIMATS	Participated
11	S.Sarath	Tech quiz Debugging,Connexion	14-03-24 & 15-03-24	SIMATS	Participated
12	K.Mathan Kumar	Debugging,Connexion	14-03-24 & 15-03-24	SIMATS	Participated
13	J.V.Jeshna	Sustainxt summit24	23-03-2024	Royal College of Engineering and Technology	Presented
14	G.Mahesh Krishna	TECHTROVE '24	14-02-2024	SIMATS	Participated
		Debugging	01-03-2024	SIMATS	3rd place
		Technical Connection	14-02-2024	SIMATS	3rd Place
15	S.Sai Rithika	,Connexion	14-03-24 & 15-03-24	SIMATS	Participated
16	M.Vignesh	Project Expo	01-03-2024	SIMATS	3rd place

S.No	Student Name	Event	Date	Venue	Remarks
17	S.Lenin Kumar	Power point presentation	22-09-2023	St.Joseph College of Engineering	Participated
		Non Technical (TECHMATRIX)	10-02-2024	Velammal Engineering College	Participated
		Non Technical-ENIGMA (TECHMATRIX)	10-02-2024	Velammal Engineering College	Participated
		Non Technical(TECH NEXUS'23)	29-09-2023	Kings Engineering College	Participated
18	Sam Richard A	TECHTROVE '24	14-02-2024	SIMATS	Participated
19	N.Reshma	(Paper Presentation)INKOGNITZ'2024	22-03-2024	JEPPPIAR Engineering College	Participated
		TECH IT OUT(INKOGNITZ'2024)	22-03-2024	JEPPPIAR Engineering College	Participated
20	Janani Sri.G	ENTHRAL 2K24	13-03-2024 & 14-03-2024	ALPHA College of Engineering	Participated
21	P.Oviya	(RHYTM RIDDLE)INKOGNITZ'2024	22-03-2024	JEPPPIAR Engineering College	Participated
22	Abarna.S	ENTHRAL 2K24	13-03-2024 & 14-03-2024	ALPHA College of Engineering	Participated
23	Shruthy.G	Non Technical (TECHMATRIX)-Treasure Hunt,Enigma	10-02-2024	Velammal Engineering College	Participated
		INMATRIX'24(Technical & Non Technical)	16-03-2024	Velammal Engineering College	Participated

Hackathon:

HACKATHON					
S.NO	**STUDENT NAME**	**NAME OF THE COURSE**	**DATE**	**VENUE NAME**	**REMARKS**
1	Mahesh Krishna G Shaik Hameed Basha D.Paul Zion	Hack - OWASP	14-04-2023 to 16-04-2023	Thapar Institute of Engineering & Technology Private university in Patiala, Punjab	Completed

S.NO	STUDENT NAME	NAME OF THE EVENT	DATE	VENUE NAME	REMARKS
		Bugbounty Hunting-(2022-2023)			
1	A.Sandiyo christian	Hack and Crashing FitBit	14-08-2022	GOOGLE VRP	$100
		Securing Google Assistant	Oct 2022-Feb 2023	GOOGLE VRP	$500
		Bugbounty Hunting-(2021-2022)			
2	A.Sandiyo christian	Hack and Securing YouTube Android application	07-09-2021	GOOGLE VRP	$1337
		Hack and Securing Google Maps	08-11-2021	GOOGLE VRP	$500

HACKATHON					

1	Kamesh N	Codeathon 2.0	22-03-2024 & 23-03-2024	Prathuysha Engineering College	Participated
2	G.Mahesh Krishna	Codeathon 2.0	22-03-2024 & 23-03-2024	Prathuysha Engineering College	2nd Place
3	Cyrus Adrien de Almeida	Codeathon 2.0	22-03-2024 & 23-03-2024	Prathuysha Engineering College	Participated
4	Sam Richard A	Codeathon 2.0	22-03-2024 & 23-03-2024	Prathuysha Engineering College	Participated
		Hacathon'24	16-04-2024 & 17-04-2024	Kings Engineering College	Participated
5	D.Bimakumari	HackFest 2023	06-07-2023	SSN College	Participated

Sports:

SPORTS					
1	R.Sarath Kumar	District level Marathon Competition	26-08-2023	District level Marathon	2nd place
		State Level Red run Marathon	23-09-2023	State Level Red run Marathon	Participated
2	Lino Frdrick J	Football	19-10-2023 & 20-10-2023	ANNA University Sports Board	1st place
3	V.Shan	Football	19-10-2023 & 20-10-2023	ANNA University Sports Board	1st place

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5 FACULTY INFORMATION AND CONTRIBUTIONS (200)   Total Marks 168.60

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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	Associa Type
Dr. M. A. Leo Vijilious	ABIPL4383N	ME/M. Tech and PhD	30/04/2013	Computer Science and Engineering	1	0		Professor	15/03/2017	15/03/2017	Regular
Dr. M. Suresh	AYHPS8541F	ME/M. Tech and PhD	30/05/2012	Computer Science and Engineering	1	0		Professor	03/12/2012	01/08/2001	Regular
Dr. D. R. Denslin Brabin	ANAPD6483D	ME/M. Tech and PhD	16/07/2018	Computer Science and Engineering	11	0		Professor	31/08/2021	31/08/2021	Regular
Dr. W. Agitha	NPQRA3562N	ME/M. Tech and PhD	28/08/2021	Computer Science and Engineering	6	0		Associate Professor	26/07/2024	03/07/2023	Regular
Dr. L. Jimson	ANNPJ2326C	ME/M. Tech and PhD	03/05/2024	Computer Science and Engineering	6	0	1	Assistant Professor		13/06/2014	Regular
Mrs. P. Swarna Lakshmi	FIQPS8309F	M.E/M.Tech	20/06/2012	Computer Science and Engineering	8	0		Assistant Professor		19/06/2013	Regular
Mr. D. Raj Thilak	BUFPR8733P	M.E/M.Tech	22/07/2011	Computer Science and Engineering	1	0		Assistant Professor		01/06/2018	Regular
Mr. G. Ariharan	BTIPA7102F	M.E/M.Tech	25/04/2012	Information Technology	0	0		Assistant Professor		19/11/2018	Regular
Ms. R. Indumathy	AGHPI2172E	M.E/M.Tech	14/08/2021	Computer Science and Engineering	6	0		Assistant Professor		23/08/2021	Regular
Mrs. V. Lavanya	AOFPL5777A	M.E/M.Tech	18/05/2015	Computer Science and Engineering	9	0		Assistant Professor		15/09/2021	Regular
Mrs. D. R. Angel Kiruba	DCAPD7823L	M.E/M.Tech	02/09/2016	Computer Science and Engineering	7	0		Assistant Professor		07/03/2022	Regular
Mrs. R. Lavanya	AEZPL4547E	M.E/M.Tech	29/05/2013	Computer Science and Engineering	9	0		Assistant Professor		20/07/2022	Regular
Mrs. G. Geetha	BUZPG2390H	M.E/M.Tech	07/09/2009	Computer Science and Engineering	5	0		Assistant Professor		27/07/2022	Regular
Mrs. S. Anusha Seles	BNZPA8764Q	M.E/M.Tech	01/08/2012	Wireless Technology	4	0		Assistant Professor		15/08/2022	Regular
Mrs. S. Saraswathy	FBTPS1936J	M.E/M.Tech	20/07/2015	Computer Science and Engineering	2	0		Assistant Professor		26/08/2022	Regular
Mrs. J. L. B. Sharmila	KTIPS6393P	M.E/M.Tech	02/08/2014	VLSI Design	8	0		Assistant Professor		26/08/2022	Regular
Mrs.S.P. Subha	CJHBS3658G	M.E/M.Tech	20/06/2015	Information Technology	0	0		Assistant Professor		05/05/2023	Regular
Ms. R. Babija	BLPPB5843R	M.E/M.Tech	15/09/2018	Communication Systems	1	0		Assistant Professor		03/07/2023	Regular
Mrs. S. Sulochana	EWKPS8976P	M.E/M.Tech	02/09/2016	Computer Science and Engineering	1	0		Assistant Professor		28/07/2023	Regular
Mrs. R. M. Anushia	ARJPA7467P	M.E/M.Tech	04/07/2008	Computer Science and Engineering	4	0		Assistant Professor		31/07/2023	Regular
Mr. V. Vijayakumar	ANRPV4782G	M.E/M.Tech	25/01/2010	Computer Science and Engineering	1	0		Assistant Professor		05/08/2023	Regular

Mrs.J.Mary Varsha	CJIPN1033Q	M.E/M.Tech	05/05/2012	Computer Science and Engineering	0	0		Assistant Professor		11/12/2023	Regular
Mrs. Hridya Venugopal	AGWPV7992C	M.E/M.Tech	21/07/2016	Data Security	0	0		Assistant Professor		03/01/2024	Regular
Ms. M. Sowmiya	RIUPS3035L	M.E/M.Tech	04/05/2023	Computer Science and Engineering	0	0		Assistant Professor		23/01/2024	Regular
Dr. K. Kalai Kumar	DNIPK0139N	ME/M. Tech and PhD	22/06/2020	Computer Science and Engineering	4	0		Associate Professor	08/03/2022	29/03/2021	Regular
Ms. A. Adlin Sylvia	BKEPA1318L	M.E/M.Tech	14/08/2021	Computer Science and Engineering	1	0		Assistant Professor		13/08/2021	Regular
Mrs. L. Jenitha Mary	AKHPJ5461F	M.E/M.Tech	19/08/2013	Computer Science and Engineering	5	0		Assistant Professor		11/01/2022	Regular
Mrs. J. Shakila	DFGPS5399G	M.E/M.Tech	15/05/2010	Computer Science and Engineering	3	0		Assistant Professor		10/03/2022	Regular
Mr. A. Anist	CDRPA3490A	M.E/M.Tech	13/05/2016	Embedded System Technology	2	0		Assistant Professor		22/08/2022	Regular
Dr. V. Ramachandran	ADJPR6889C	ME/M. Tech and PhD	25/05/1990	Computer Science and Engineering		0		Professor	16/09/2019	16/09/2019	Regular

5.1 Student-Faculty Ratio (20)   Total Marks 16.00

Institute Marks : 16.00

UG

No. of UG Programs in the Department 1

B.E. Computer Science and Engineering						
Year of Study	**CAY**		**CAYm1**		**CAYm2**	
	(2024-25)		**(2023-24)**		**(2022-23)**	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
2nd Year	120	0	120	2	120	1
3rd Year	120	2	120	1	120	3
4th Year	120	1	120	3	120	1
Sub-Total	**360**	**3**	**360**	**6**	**360**	**5**
Total	**363**		**366**		**365**	
Grand Total	363		366		365	

PG

No. of PG Programs in the Department 1

M.E. Computer Science and Engineering			
Year of Study	**CAY(2024-25)**	**CAYm1(2023-24)**	**CAYm2 (2022-23)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	18	18	18
2nd Year	18	18	18
Total	**36**	**36**	**36**
Grand Total	36	36	36

SFR

No. of UG Programs in the Department 1
No. of PG Programs in the Department 1

Description	CAY(2024-25)		CAYm1 (2023-24)		CAYm2 (2022-23)	
Total No. of Students in the Department(S)	399	**Sum total of all (UG+PG) students**	402	**Sum total of all (UG+PG) students**	401	**Sum total of all (UG+PG) students**
No. of Faculty in the Department(F)	23	**F1**	21	**F2**	21	**F3**
Student Faculty Ratio(SFR)	17.35	**SFR1=S1/F1**	19.14	**SFR2=S2/F2**	19.10	**SFR3=S3/F3**
Average SFR	18.53	**SFR=(SFR1+SFR2+SFR3)/3**				
F=Total Number of Faculty Members in the Department (excluding first year faculty)						

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

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

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

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

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2024-25)	23	0
CAYm1(2023-24)	21	0
CAYm2(2022-23)	21	0

Average SFR for three assessment years :   18.53

Assessment SFR :   16

5.2 Faculty Cadre Proportion (25)   Total Marks 25.00

Institute Marks : 25.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2024-25)	2.00	3.00	4.00	1.00	13.00	19.00
CAYm1(2023-24)	2.00	3.00	4.00	0.00	13.00	18.00
CAYm2(2022-23)	2.00	4.00	4.00	1.00	13.00	16.00
Average Numbers	2.00	3.33	4.00	0.67	13.00	17.67

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 12.5 :   25.00

5.3 Faculty Qualification (25)   Total Marks 14.60

Institute Marks : 14.60

	X	Y	F	FQ = 2.5 x [(10X + 4Y) / F)]
2024-25(CAY)	5	18	19.00	16.05
2023-24(CAYm1)	4	17	20.00	13.50
2022-23(CAYm2)	5	16	20.00	14.25

Average Assessment :   14.60

5.4 Faculty Retention (25)   Total Marks 15.00

Institute Marks : 15.00

Description	2023-24	2024-25
No of Faculty Retained	15	14
Total No of Faculty	20	20
% of Faculty Retained	75	70

Average :   72.00

Assessment Marks :   15.00

5.5 Innovations by the Faculty in Teaching and Learning (20)   Total Marks 20.00

Institute Marks : 20.00

Faculty innovations in teaching and learning are evaluated based on their impact on student learning improvement. This assessment includes, but is not limited to, the use of ICT, innovative instruction delivery and methods, creative assessment and evaluation techniques, and the development of inclusive classrooms. These initiatives are valued for their ability to create more effective, efficient, and engaging educational experiences for students.

A. **The work must be made available on Institute Website**

The colleges website https://dmice.ac.in/, along with its dedicated computer science department page https://dmice.ac.in/computer-science-and-engineering/, serves as a comprehensive resource for students and other users. By providing easy access to both academic and non-academic information, this online platform promotes transparency in all college activities and events. The various academic details included involves video lectures, roleplay , flipped learning etc.

Video Lectures

A sample list of faculty names with the video lecture topics along with the subject is depicted in Table 5.1

Table 5.1 – Details of video lectures by faculty members

S.NO	SUBJECT	TOPIC	FACULTY HANDLED
1	Algorithms	Minimum Spanning Tree	Dr.D.R.Denslin Brabin
2	Introduction to Operating Systems	Bankers Algorithm	Mrs.G.Geetha
3	Theory of Computation	Finite Automata	Mrs.R.M.Anushiya
4	Artificial Intelligence & Machine Learning	Artificial Intelligence	Mrs.V.Lavanya
5	Database Management Systems	Characteristics of DBMS	Dr.W.Agitha
6	Artificial Intelligence & Machine Learning	Artificial Intelligence	Mrs.S.Anusha Seles
7	Database Management Systems	DBMS	Mrs.S.Sulochana
8	Cryptocurrency &Blockchain Technologies	Ethereum	Mrs.P.Swarnalakshmi
9	Object Oriented Software Engineering	Software Engineering	Mrs.R.Lavanya
10	Storage Technologies	Cloud Computing	Mr.L.Jimson
11	UI&UX Design	UI UX	Ms.R.Indumathy
12	Network Security	Network Security	Mrs.D.R.Angel Kiruba
13	Cryptocurrency &Blockchain Technologies	Hyperledger	Mrs.HridyaVenugopal
14	Object Oriented Software Engineering	Waterfall model	Mrs.J.L.B.Sharmila
15	Storage Technologies	Storage Infrastructure	Mrs.S.Sulochana
16	UI&UX Design	Machine learning	Mr.S.Vignesh
17	Green Computing	Grid framework	Mrs.J.L.B.Sharmila
18	Professional Ethics in Engineering	Inquiries	Mr.L.Jimson
19	Foundation of Data Science	Numpy basics	Mrs.R.Anusha Seles
20	Data Structures	Stack	Mr.Vijayakumar
21	Object Oriented Programming	Inheritance	Mrs.S.Sulochana
22	Computer Networks	OSI layer	Mrs.P.Swarna Lakshmi
23	Compiler Design	Phases of compiler	Ms.V.Lavanya
24	Cryptography and Cyber Security	Basics of cryptography	Mrs.R.Lavanya
25	Distributed Computing	Cloud Computing	Mr.L.Jimson
26	Augmented Reality / Virtual Reality	AR VR	Mrs.P.Swarnalakshmi
27	Big Data Analytics	Hadoop	Dr.W.Agitha
28	Cryptography and Network Security	Network Security	Mrs.D.R.AngelKiruba
29	Cloud Computing	Cloud Computing	Mr.L.Jimson
30	Systems Engineering	Markov chain	Mrs.J.L.B.Sharmila
31	Human Computer Interaction	Memory	Mrs.R.M.Anushia

Role Play

Table 5.2 gives a sample list of role play conducted for the students by the faculty.

Table 5.2 – Details of role play conducted by faculty members

S.NO	SUBJECT	TOPIC	FACULTY HANDLED
1	Algorithms	Graph	Mr. V. Vijayakumar
2	Cryptocurrency &Blockchain Technologies	Consensus Mechanism	Ms. Hridya Venugopal
3	Storage Technologies	Cloud	Mr.L.Jimson
4	Network Security	Network Security	Mrs.D.R.Angel Kiruba

5	Object Oriented Software Engineering	Spiral Model	Mrs.J.L.B.Sharmila
6	Storage Technologies	Infrastructure	Mrs.S.Sulochana
7	Data Structures	Stack	Mr.Vijayakumar
8	Object Oriented Programming	Inheritance	Mrs.S.Sulochana
9	Computer Networks	Topologies	Mrs.P.Swarnalakshmi
10	Compiler Design	Phases of compiler	Ms.V.Lavanya

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

The department enhances students technical knowledge through technical clubs like SWAT and Coding Club. These clubs encourage students to undertake technical projects, which are then further developed by subsequent batches. This approach not only motivates students but also creates a continuous learning cycle, focusing specifically on improving their technical capabilities through hands-on experience and peer-to-peer knowledge transfer.

Technical Club Activities

Name: SWAT (Students Working on Advanced Technologies)

SWAT (Student Working on Advance Technology) Club is constituted to make students aware about the latest computer technologies .The club members learn various advanced IT related technologies. A sample list of projects completed under SWAT is listed in table 5.3

Table 5.3– List of Projects completed under SWAT Club

SI.NO	Project Title
1	CHATBOT - TENSORFLOW, REVIT SCRIPT
2	AI FOR MEDICINE
3	BLOCKCHAIN USING JAVASCRIPT
4	MULTIPLAYER RUMMY ALGORITHM
5	E-COMMERCE WEBSITE
6	ONLINE ATTENDANCE CALCULATOR

Ongoing Projects in SWAT

Table 5.4– List of ongoing Projects under SWAT Club

SI.NO	Project Title
1	GITHUB REPOSITORY CREATION & PROJECT SUBMISSION
2	IMAGE CLASSIFIER
3	SELLING ORGANIC SEED ONLINE

Name: Coding Club

Table 5.5– List of events conducted under Coding Club

SI.NO	Events
1	DEBUGGING
2	PYTHON QUIZ
3	BASIC LINUX TERMINAL COMMAMDS

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

DMI College of Engineering adopts student-centric methods to make teaching-learning more effective. Traditional teaching, along with ICT-enabled facilities, creates more innovative and creative ways of disseminating, sharing, and imparting knowledge to develop students skills. ICT-enabled teaching includes Wi-Fi-enabled classrooms with projectors, smart classrooms, e-learning, etc. The institution adopts modern pedagogy to enhance the teaching-learning process. Online classes, webinars, and seminars are conducted through Google Classroom. E-materials are posted which are accessible to the students to gather a priori knowledge about the topic of discussion. ICT tools used in the teaching-learning process include:

- Smart classrooms
- Video conferencing/virtual classrooms
- Google Classroom, Google Meet, Zoom
- MOOCs (Online courses)
- CAMU (Learning Management System)
- Digital library resources

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

Institute Marks : 15.00

Name of the faculty	Max 5 Per Faculty		
	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
DR.V.RAMACHANDRAN	0.00	0.00	0.00
Dr. M. A. LEO VIJILIOUS	0.00	0.00	0.00
Dr. M. SURESH	0.00	0.00	0.00
Dr. D. R .DENSLIN BRABIN	5.00	5.00	0.00
Dr. K. KALAI KUMAR	0.00	5.00	5.00
Mrs. M. SUMATHI	0.00	0.00	0.00
Mrs. P. SWARNA LAKSHMI	5.00	5.00	5.00
Mr. L. JIMSON	0.00	5.00	5.00
Mr. G.ARIHARAN	0.00	0.00	0.00
Mrs.I. JAYASHREE	0.00	0.00	0.00
MS. V. LAVANYA	5.00	5.00	5.00
Mrs.D.R.ANGEL KIRUBA	5.00	5.00	0.00
Mrs.J.SHAKILA	0.00	5.00	0.00
Ms. R. INDUMATHY	5.00	5.00	5.00
Mrs.L.JENITHA MARY	0.00	5.00	5.00
Mrs. G.GEETHA	0.00	5.00	5.00
Mrs. R. LAVANYA	5.00	5.00	0.00
Mrs.ANUSHA SELES	5.00	0.00	0.00
Mrs. S.SARASWATHY	0.00	5.00	0.00
Mrs. J.L.B.SHARMILA	5.00	5.00	0.00
Ms. ADLYN SYLVIA	0.00	0.00	5.00
Mr. C S SOMU	0.00	0.00	5.00
MRS.R.M.ANUSHIYA	5.00	0.00	0.00
MRS.S.SULOCHANA	5.00	0.00	0.00
MS. R. BABIJA	5.00	0.00	0.00
DR.W.AGITHA	5.00	0.00	0.00
MR. V. VIJAYAKUMAR	0.00	0.00	0.00
MRS. HRIDYA VENUGOPAL	5.00	0.00	0.00
MS. M. SOWMIYA	5.00	0.00	0.00
Mrs.S.P.Subha	5.00	0.00	0.00
MS.J.MARY VARSHA	0.00	0.00	0.00
Mr. J. CYPTO	0.00	0.00	5.00
Mr. D. RAJ THILAK	0.00	0.00	5.00
Sum	75.00	65.00	55.00

RF = Number of Faculty required to comply with 20:1 Student Faculty Ratioas per 5.1	19.95	20.10	20.05
Assessment [3*(Sum / 0.5RF)]	22.56	19.40	16.46

Average assessment over 3 years: 19.47

5.7 Research and Development (30)   Total Marks 23.00

5.7.1 Academic Research (10)

Institute Marks : 10.00

5.7.1 Academic Research (10)

Institute Marks : 10.00

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

Journals:

Table 5.6 – Sample publications details for AY 2023-2024

S. No	Faculty Name	Type	Publication	Title	Details
1	Dr. D.R. Denslin Brabin	Journal	ICTACT Journal on Soft Computing (UGC CARE list)	Whale Swarm Optimization Based Anfis For Prediction In Forecasting Application	Vol: 14, ISSUE 03, 2024
2	Dr. D.R. Denslin Brabin	Journal	International Journal Of Intelligent Systems and Applications in Engineering (Scopus)	Deep Learning Algorithm Using Densenet to Enable Big Data Analytics in Large WiFi Systems	12(7s), 326–331, 2024
3	Dr. D.R. Denslin Brabin	Journal	Computing (SCI)	Secure privacy-enhanced fast authentication and key management for IoMT - enabled smart healthcare systems	https://doi.org/10.1007/s00607-024-01291-0
4	Dr.L.Jimson	Journal	International Research Journal of Modernization in Engineering Technology and Science	Effective, Simplified and Pro-active Approach for VM Monitoring	Vol. 05, Issue 05, 2023
5	Dr.L.Jimson	Journal	International Research Journal of Modernization in Engineering Technology and Science	Analysis of stroke prediction and Interpretation using ML	Vol. 05, Issue 05, 2023
6	Dr.L.Jimson	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Real time secure Clickbait and biometric ATM user Authentication and Multiple bank transaction system	Vol. 12, Issue 5, 2023
7	Dr.L.Jimson	Journal	International Journal of Intelligent Systems and Applications in Engineering (Scopus)	Automatic Identification of Person Hurricane Damage using a Transfer Learning Approach with satellite image	Vol. 12, Issue 16, 2024
8	Dr.L.Jimson	Journal	Journal of Electrical system (Scopus)	Enhanced Brain Tumor Analysis Integrating Resnet 50 with convolutional Block Attention Models for Advanced Insights	Vol. 20, Issue 6, 2024
9	Mrs .P. Swarna Lakshmi	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Fetal Health Classification Using Ml	Vol. 12, Issue 5 , 2023
10	Mrs. P. Swarna Lakshmi	Journal	International Research Journal of Modernization in Engineering Technology and Science	Comparative study based classification and prediction technique for DDOS Attacks	Vol. 05, Issue 05, 2023
11	Ms. R. Indumathy	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Data Loss Prevention System using Location Defined Network	Vol. 12, Issue 4, 2023
12	Ms. R. Indumathy	Journal	International Research Journal of Modernization in Engineering Technology and Science	Diabetes Prediction using Data Science Techniques	Vol. 05, Issue 05, 2023
13	Ms.R.Indumathy	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Controlling The Access of Home Appliance Using Augmented Reality And IoT	Vol.12, Issue 5 , 2023
14	Ms. Lavanya.V	Journal	International Journal of Advanced Research in Computer and Communication Engineering	A secure user authentication scheme for IOT enable devices	Vol. 12, Issue 5 , 2023
15	Ms. Lavanya.V	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Nutrition Analysis using Machine Learning Techniques	Vol. 12, Issue 5, 2023
16	Ms. Lavanya.V	Journal	International Journal Advanced Research in Computer and Communication Engineering	Prediction of Cardio Vascular Disease and Their Cause Using ML	Volume 12, Issue 5, 2023
17	Mrs.D.R.Angel Kiruba	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Block chain Inspired RFID Based Information architecture for food supply chain	Vol.12, Issue 5 , 2023
18	Mrs.D.R.Angel Kiruba	Journal	International Research Journal of Modernization in Engineering Technology and Science	Prognosis of network attacks using supervised machine learning	Vol. 05, Issue 05, 2023
19	Mrs.Geetha	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Driving performance analysis and risk detection using deep learning	Vol.12, Issue 23, 2023
20	Mrs.Geetha	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Counterfeit Detection in National Identity Cards using Image Steganography	Vol. 12, Issue 5, 2023
21	Mrs.R.Lavanya	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Prediction of cirrhosis (liver failure) disease using ML	Vol. 12, Issue 54, 2023
22	Mrs.R.Lavanya	Journal	Iconic Research and Engineering Journals	Developing an Alerting Application for Covid 19 Containment zone	Vol. 6, Issue 11, 2023
23	Mrs.Sharmila	Journal	International Research Journal of Modernization in Engineering Technology and Science	Cryptocurrency price prediction based on tweets using Deep Learning	Vol. 05, Issue 05, 2023
24	Mrs.Sharmila	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Medicinal Plants Identification using Convolution Neural Network	Vol. 12, Issue 5, 2023

25	Mrs.Sharmila	Journal	International Journal of Advanced Research in Computer and Communication Engineering	Fog store disaster backup as a service for Cloud server	Vol. 12, Issue 5, 2023
26	Mrs.S.Anusha Seles	Journal	International Research Journal of Modernization in Engineering Technology and Science	Modern workspace based policy management with AI based records management	Vol. 05, Issue 05, 2023
27	Mrs.S.Anusha Seles	Journal	International Research Journal of Modernization in Engineering Technology and Science	Bone fracture detection system using CNN	Vol. 05, Issue 05, 2023
28	Dr. D. Ravikumar	Journal	J Opt (SCI)	Transmitting patient's health care information using LEDs in hospitals through VLC technology	https://doi.org/10.1007/s12596-023-01650-8 (https://doi.org/10.1007/s12596-023-01650-8)
29	Mrs. D. R. Angel Kiruba	Journal	International Journal of Intelligent Systems and Applications in Engineering (Scopus)	Automatic Identification of Person Hurricane Damage using a Transfer Learning Approach with satellite image	Vol. 12, Issue 16, 2024
30	Mrs. D. R. Angel Kiruba	Journal	Journal of Electrical system (Scopus)	Detection of Covid-19 Cases from Chest X-Ray Images using CNN	Vol. 20, Issue 6, 2024
31	Mrs. J. L. B. Sharmila	Journal	Journal of Electrical system (Scopus)	Enhanced Brain Tumor Analysis "Integrating Resnet 50 with convolutional Block Attention Models for Advanced Insights	Vol. 20, Issue 6, 2024
32	Dr. W. Agitha	Journal	International Journal	Enhancing Vehicular network with Deep Radial Basis Function For Intelligent Traffic Management	Vol 15, Issue 1, 2024

Table 5.7 – Sample list of Patent publicshed during AY 2023-24

S.NO	FACULTY NAME	TITLE
1	Dr. Denslin Brabin D.R.	IoT Based LPG Gas Stand with gas level Indicator
2	Dr. Denslin Brabin D.R.	Virtual Reality Classroom Simulation Device for Teacher Training
3	Mrs. Swarna Lakshmi P, Mrs. Angel Kiruba D R, Mrs. J. L. B Sharmila	Automated Harpoon phishing system employing CNN Based Image Processing
4	Mrs. Lavanya R, Ms Indumathy R, Mrs Lavanya V, Mrs Geetha G, Mrs Babija R	Elephant Intrusion Monitoring and alarm system employing CNN based Image processing
5	Ms Indumathy R	Iot Based Wrist Band for Womens Security
6	Mrs. Anushia R.M	A Remote-Controlled Surface Water Cleaning Apparatus

Table 5.8 – Sample books and book chapters publication details

S. No	Faculty Name	Type	Title	Publications
1	Dr. D.R.Denslin Brabin	Book	Data Structures and Algorithms	Sruthi Publishers
2	Dr. D.R.Denslin Brabin	Book Chapter	Artificial Intelligence in Orthopaedic Implant Model Classification	IGI Global Chapter
3	Dr. D.R.Denslin Brabin	Book	Fundamental concepts of Mobile computing	ACES Publishers
4	Dr. D.R.Denslin Brabin	Book	Data Base Management Systems	Shan Lax Publications

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

Table 5.9 - Detail of faculty member awarded PhD

S. NO	Name of the Faculty	Year of Awarding Ph.D	University
1	Dr. L. Jimson	2023-24	Anna University

Table 5.10 - Detail of faculty members recognised as Anna University Supervisors

S. NO	Name of the Faculty	Supervisor ID
1	Dr. M. A. Leo Vijilious	2840168
2	Dr. D R. Denslin Brabin	4140151
3	Dr. K. Kalai Kumar	4140089

5.7.2 Sponsored Research (5)   Institute Marks : 2.00

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount
Human Assistant System using Gen AI	3 Years	Object Automation System Solutions	900000.00
			Total Amount(X): 900000.00

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount

Cumulative Amount(X + Y + Z) =

5.7.3 Development Activities (10)   Institute Marks : 10.00

A. **Product Development**

CHATBOT- TENSORFLOW, REVIT SCRIPT

The CHATBOT- TENSORFLOW, REVIT SCRIPTmake the employees of the organisation tostick to the orders of the supervisors and to check the ability and statics. This system is similar to google's voice assistant and it is more private to the institution. This an be modified, restructured and limited to some extents. The application has different levels they can be the administration department and employers department which both are monitored by the board of directors.This will be a privately build tools which looks on the progress.This a cross-platform intelligence system which will be more easy to access and more comfortable to check through all the flow of the operation carried using the platform. Since being an intelligence system this will be capable of capturing all the updates and imperfect ones in the organization. This is centrally fixed hence this will be active all over the corners of the organization. There will no possibility for any chance of one taking the credits of others work which will highly found commonly in all the organization, thus nobody will be affected by other an truly effective working area will be available. This project will help the organization to trace them working even at their home the demanding work from home will be made possible so there will be higher enhancement found between the employee and the norms of the organization. This will set an open environment for the student for their future positions to be acquired through their ability and also to develop accordingly. This special environment will be capable to produce eligible facilities for the organization which will enhance the growth of the organization and leads a technical or medical frame of the organization

AUGMENTED REALITY GAME

Augmented Reality (AR) is an interactive experience of a real-world environment whereby the objects that reside in the real-world are "augmented" by computer- generated perceptual information, sometimes across multiple sensory modalities, including visual, auditory, haptic, somatosensory, and olfactory. The overlaid sensory information can be constructive (i.e. additive to the natural environment) or destructive (i.e. masking of the natural environment) and is seamlessly interwoven with the physical world such that it is perceived as an immersive aspect of the real environment. In this way, augmented reality alters ones ongoing perception of a real-world environment, whereas virtual reality completely replaces the users real-world environment with a simulated one. Augmented reality is related to two largely synonymous terms: mixed reality and computer-mediated reality.Augmented Reality (AR) is used to enhance natural environments or situations and offer perceptually enriched experiences. With the help of advanced AR technologies (e.g. adding computer vision and object recognition) the information about the surrounding real world of the user becomes interactive and digitally manipulable. Information about the environment and its objects is overlaid on the real world. This information can be virtual or real, e.g. seeing other real sensed or measured information such as electromagnetic radio waves overlaid in exact alignment with where they actually are in space. Augmented reality also has a lot of potential in the gathering and sharing of tacit knowledge. Augmentation techniques are typically performed in real time and in semantic context with environmental elements. Immersive perceptual information is sometimes combined with supplemental information like scores over a live video feed of a sporting event. This combines the benefits of both augmented reality technology and heads-up display technology (HUD).

ADVANCING SMALL-SCALE FARMING THROUGH AI- ENABLED AGRICULTURAL BOT: A TAMIL CHAT BOT APPROACH

Small scale farmers face numerous challenges including limited resources, inadequate knowledge and environmental uncertainties leading to lower agricultural productivity and income. To address these challenges this project proposes the development of an advanced bot leveraging artificial intelligence technologies, specifically designed for the Tamil speaking farming community. The proposed agricultural chatbot aims to enhance crop management, increase income and ensure food security through answering the queries on crop related such as paddy, wheat and so on. Then answer for the questions on soil testing, pest detection, market insights, weather integration and so on. Additionally it will utilize image recognition and answer the queries on pest and disease management such as insects, weeds and caterpillars. Detect them and provide treatment recommendations and prevention methods for enabling early intervention and minimizing crop damage. This project will be implementing by using Natural Language Processing (NLP), Automatic Speech Recognition (ASR), Convolutional Neural Network (CNN). This project emphasizing the importance of leveraging technological innovations to address pressing challenges in agriculture and livelihoods.

B. **Instructional materials**

      1. Video Lectures-Available in CAMU.

      2. Study Materials-Available in CAMU.

      3. Lab Manuals-All Curriculum Labs-Available in CAMU.

C. **Working models/charts/monograms etc.**

A sample list of topics taught using working models/charts /monograms are shown in Table 15.18

Table 5.10 - Details of topics taught using working models/charts/monograms etc.

Sl.No	Lab Chart	Faculty Name	Topic
1	Network Security	Mrs. D.R. Angel Kiruba	Firewall
2	Cryptocurrency and Blockchain Technology	Ms. Hridya Venugopal	Conensus Mechanism
3	Object Oriented Software Engineering	Mrs. Sharmila J LB	Automated Passport Issuing system
4	Theory of computation	Mrs. R M Anushia	Turing Machine
5	Artificial Intelligence and Machine learning	Mrs. V Lavanya	Decision tree
6	UI/UX	Mrs. Indumathy	Core Stages of Design Thinking
7	Microprocessor and Microcontroller	Mr. Anist	8051 Microcontroller

5.7.4 Consultancy(from Industry) (5)   Institute Marks : 1.00

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount
Microcontroller Based Transmitter with complete hardware and Software	1 Year	TransDNA Pvt Ltd	250000.00
			Total Amount(X): 250000.00

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount
Nil	o	Nil	0.00
			Total Amount(Y): 0.00

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount
Nil	0	Nil	0.00
			Total Amount(Z): 0.00

Cumulative Amount(X + Y + Z) =   250000.00

5.8 Faculty Performance Appraisal and Development System (FPADS) (30)   Total Marks 30.00

Institute Marks : 30.00

Faculty members at DMI college undergo an annual appraisal based on their contributions to themselves and the institution. The evaluation uses a well-defined system including self-appraisal forms. Contribution of faculty members towards the publishing papers in reputed journals, patent, book chapters etc are evaluated.This process motivates faculty to enhance their professional development and improve overall educational quality. It also serves as a basis for merit-based salary increases, enabling financial growth.

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

The faculty performance evaluation process encompasses four essential components to assess academic staff comprehensively. Academic Performance forms the foundation, measuring mastery of subject knowledge, incorporating valuable student feedback, and analyzing university results. Research-Based Performance validates scholarly contributions through publications, guidance of projects, and active involvement in research activities. The Development Activities component evaluates professional growth through innovative teaching methodologies, leadership in departmental events, and pursuit of advanced qualifications. Experience serves as a crucial fourth dimension in the assessment matrix.

Faculty members compile these elements into a detailed Self-Assessment Report, which undergoes thorough review by the Head of Department. This evaluation determines whether predetermined targets have been achieved. Upon meeting these objectives, faculty members receive formal appreciation acknowledging their accomplishments. In cases where targets are not fully met, constructive suggestions for improvement are provided to support professional development and enhance future performance. This systematic evaluation framework ensures balanced assessment of teaching excellence, research contributions, and professional development while fostering continuous improvement within the academic environment.

This approach maintains high standards through clear metrics and supportive feedback mechanisms, ultimately strengthening both individual faculty performance and institutional quality. The structured evaluation creates opportunities for recognition while establishing clear pathways for professional advancement and academic excellence.
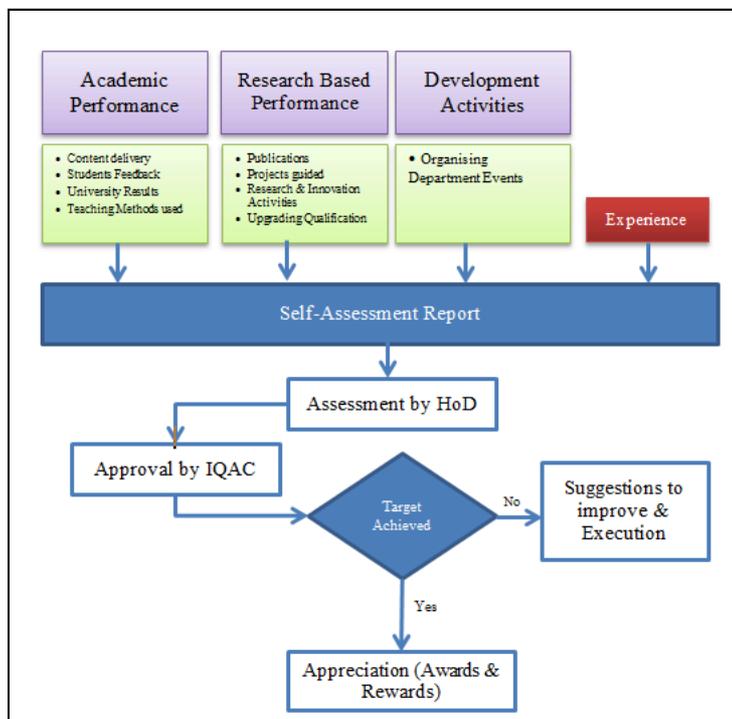
Fig 5.1 - Faculty appraisal process

B. Its implementation and effectiveness

At semesters end, faculty submit self-appraisal forms reflecting their yearly performance, endorsed by their HOD. An expert committee, comprising the Correspondent, Administrator, Principal, and HOD, evaluates these forms. This assessment determines potential promotions to the next level, providing a structured approach to faculty career advancement based on performance.

The evaluation metrics is based on four main parameters that consist of

1. **Academic Performance Assessment**

   The academic performance assessment is based on the result produced by the faculty member on the subject handled in a particular year and also based on the FDPs attended and membership of the professional bodies.

2. **Institutional development and Academic Leadership**

   The research-based performance assessment is evaluated based on the faculty members contributions to research, including the number of research publications in indexed journals, successful completion of funded projects, patents filed or granted, and participation in research collaborations. It also considers involvement in organizing or attending research-related conferences, workshops, and memberships in research-focused professional organizations. The faculty involved is awarded with appropriate amount as per the policy decided at the institution level.

3. **Assessment by HoD for staff**

   The HoD conducts a comprehensive year-long evaluation of staff, assessing their discipline, teamwork, punctuality, dedication to student and department development, and initiative, to provide a thorough analysis of each faculty members performance and contributions.

4. **Research/Publication/Project**

   The publication of papers in national and international journals and conferences, conferences or workshop organized , sponsored projects and consultancy projects,books, book chapters published ,research guidance are the contributions for the self appraisal of the individual faculty member.

Execution of feedback process

1. Faculty not handling subjects for the respective class will be allocated for collecting feedback from the students.
2. Entire feedback processes is monitored by course feedback coordinator.

Indices (grading) used for measuring quality of teaching and learning

1. The feedback questionnaire contains 20 questions with 5 point scale to measure faculty performance.
2. The weighted average of the student's response is calculated and consolidated.
3. The performance based on feedback is categorized into

   - Category I (above 90%) - Excellent
   - Category II (70% - 90%) – Good
   - Category III (below 70%) – Suggestion for improvement

Basis of reward / corrective measures

Category	Indices	Remarks
I	Above 90%	Appreciation
II	70%-90%	Recommended for FDP, Workshop, Conference
III	Below 70%	Mentoring offaculty member by Principal/HOD

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

Total Marks 10.00

Institute Marks : 10.00

Sl.No	Faculty Name	Type of Faculty	Qualification	Duration	Content
1	Mr.R. Sadeesh Kanna	Adjunct Faculty	MCA	60 Hours	JAVA Programming

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 Laboratory - 1	30	HP Compaq 8100 SFF - i3 processor – 12 Wipro(Reassembled) - i3 4th gen processor – 20 Wipro(Reassembled) – i5 4th gen processor – 1 HP 7400- Dual core - 1	24hrs	Mr. Esakidas	Lab Assistant	DCE
2	Computer Laboratory - 2	30	Lenovo Think center - i5 processor – 29 HP Compaq 7400 SFF – Core2duo Processor -1	24hrs	Mr. Esakidas	Lab Assistant	DCE
3	Computer Laboratory - 3	30	HP Compaq 8100 SFF - i5 processor – 24 HP Compaq 8100 SFF – i3 Processor – 6 HCL – C2D – 5 HP 7400- Dual core - 1	24hrs	Ms. Sutha M	Lab Assistant	M.Sc (CS)
4	Computer Laboratory - 4	30	Wipro(Reassembled) – i5 4th gen processor – 8	12hrs	Ms. Sutha M	Lab Assistant	M.Sc (CS)
5	Computer Laboratory - 5	30	Zebronics cabinet i5 11th gen Processor, DDR4 16GB RAM, 256 SSD, 18" Monitor LG – 29(used Monitor) Wipro(reassembled) - i5 4th gen, 512 SSD, 8GB DDR3 RAM – 1 HCL – C2D – 1 HP 7400 – C2D – 1 Ivalue – C2D – 1 Wipro(old) – C2D - 1	24hrs	Ms. Keerthana B	Lab Assistant	B.E(CSE)
6	Computer Laboratory - 6	30	Dell Optiplex 7040 - i5 6th gen processor – 28 Wipro Reassembled – i5 7th Gen Processor with 16 GB DDR 4 RAM – 3 Dell OPtiplex 755- C2D – 1 Dell OPtiplex 780- C2D – 1	24hrs	Ms. Keerthana B	Lab Assistant	B.E(CSE)
7	Computer Laboratory - 7	30	HCL - core2duo - 26 Wipro – C2D - 1 Dell optiplex755 - dualcore - 2 Dell optiplex780 - dualcore - 2 HP Compaq 7400 - dualcore – 3 Zebronic – P4 – 1 ivalue – C2D - 1	24hrs	Mr. Deva Madhan	Lab Assistant	MCA
8	Computer Laboratory -11	60	HP Compaq 8100 SFF - i5 processor – 24 HP Compaq 8100 SFF – i3 Processor – 6 HCL – C2D – 5 HP 7400- Dual core - 1	24hrs	Mr. Deva Madhan	Lab Assistant	MCA
9	Digital Lab	30	IC Trainer kit, 8086,8051 kit	12hrs	Ms. Keerthana B	Lab Assistant	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	ARK Solutions	Centre of Excellence	Enhance skills through comprehensive industrial training.	Students	AR/VR	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PSO1, PSO2,PSO3
2	HI-TECH Electronics	Centre of Excellence	Enhance skills through comprehensive industrial training.	Students	IoT	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PSO1, PSO2,PSO3
3	National Cyber Security Standards	Centre of Excellence	Enhance skills through comprehensive industrial training.	Students	Cyber Security and Digital Forensic	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PSO1, PSO2,PSO3
4	ICT ACADEMY	Centre of Excellence	Enhance skills through comprehensive industrial training.	Students	Cloud Computing	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PSO1,PSO2,PSO3
5	Internet Facility	Ethernet/WiFi	Providing High Speed connectivity	Students and Faculty members	Projects and Seminars	PO5,PO6, PO7
6	CISCO Networking	Centre of Excellence	Enhance skills through comprehensive industrial training.	Students	Networks	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PSO1, PSO2,PSO3

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

Institute Marks : 10.00

Institute Marks : 10.00

6.3 - Laboratories: Maintenance and overall ambiance

- The maintenance of computer lab is taken care of by laboratory In-charge with Laboratory Assistant and the system administrators take care of the repairs and maintenance of all computers.
- Stock register is maintained and updated regularly.
- Student entry register is maintained.
- Stock verification and inspection is carried out by the department at the end of the Academic Year.
- Inter-institute stock audit is carried out regularly.
- Hardware maintenance is done by third party.
- All out dated and under configured computers are disposed by standard procedure.
- Additional requirements, if needed are processed through Governing body as per the proposal raised by the Head of Department during the budget proposal.
- Laboratory facilities are utilized by the students for their project work.

Laboratory Ambience and Design Overview

- Physical Infrastructure:
  - Spacious and airy laboratory environments
  - Ergonomically designed to optimize teaching-learning processes
  - Single entry and exit point strategically located along the central corridor
- Workspace Characteristics:
  - Well-maintained working tables and chairs/stools
  - Designed for maximum student comfort and productivity
  - Furniture consistently kept in excellent condition
- Environmental Control:
  - Presence of good AC to protect the computers.
  - Ambient lighting provided by fluorescent tubes
  - Adjustable window curtains to manage visibility and natural light
- Informational and Inspirational Elements:
  - Strategically placed display boards featuring:
    - Quotes from renowned personalities
    - Relevant technical information
  - Enhancing learning environments intellectual stimulation
- Cleanliness and Maintenance:
  - Daily cleaning by dedicated housekeeping staff
  - Laboratories consistently maintained in pristine condition
  - Comprehensive housekeeping timetable prominently displayed
  - Ensures a hygienic and professional learning atmosphere
- Overall Assessment:
  - Exceptional laboratory ambience
  - High-quality maintenance standards
  - Conducive environment supporting effective educational experiences

Fig 6.1 - Computer Laboratory

Table 6.1. Dos and Donts displayed in the laboratory.

Do's	Don't's

• Know the location of fire extinguisher and first aid box and how to use them in case of emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents immediately. • Report any broken plugs or exposed electical wires immediately. • Turn off the machine when it is not in use. • Always maintain an extra copy of all your important data.	• Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not insert metal objects such as clips, pins,needles into the computer casings. • They may cause fire. • Do not remove anything from the computer laboratory without permission. • Do not touch, connect or disconnect any plug or cable without permission. • Do not run inside the lab. • Donot personalise the computers, for exampe installing screen savers, chaning the desktop background ot changing the audio and video settings.

6.4 Project laboratories (5)   Total Marks 5.00

Institute Marks : 5.00

Well established lab facilities are provided for the students to carry out the project work. Project Expo, Exhibition, Ideathon etc. are conducted to enhance and motivate the students to improve their technical skills.Students are involved in real-time and societal projects that aim to solve practical problems.

The hardware and software facilities int eh project lab is depicted in Table 6.2

Table 6.2- Hardware and software details of Project Lab

Hardware Details	Software Details
i5 11th gen Processor, DDR4 16GB RAM, 256 SSD, 18" Monitor LG	Java VisualStudio Pyton Turbo C Blender Open CV TensorFlow XGBoost scikit-learn weka

Sample list of Real time-societal projects is listed in table 6.3

Table 6.3- List of Real time - Societal Projects during Academic Year 2023-24

S.NO	TITLE	OUTPUT
1.	Message Encryption and Decryption	A secure system that converts plain text messages into encrypted format and back, protecting user communication privacy.
2.	Selling Organic Seeds Via Online	An e-commerce platform that enables farmers and gardeners to browse, purchase, and receive organic seeds with detailed cultivation information.
3.	Agri Tamil Chatbot	An AI-powered chatbot that provides farming-related information and guidance in Tamil language to help local farmers with agricultural queries.
4.	Conversational tamil chatbot For Transport	A Tamil language virtual assistant that helps users with real-time public transportation information, route planning, and booking services.
5		

Figure 6.1 - Project Expo

6.5 Safety measures in laboratories (10)

Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Computer Laboratory -1	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box
2	Computer Laboratory -2	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box
3	Computer Laboratory -3	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box
4	Computer Laboratory -4	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box
5	Computer Laboratory -5	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box
6	Computer Laboratory -6	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box
7	Computer Laboratory -7	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box
8	Computer Laboratory -11 (Ground Floor)	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box
9	Digital Lab	Fire Extinguisher, UPS, Firewall, MCB Switches, Earthing, First Aid Box

7 CONTINUOUS IMPROVEMENT (50)   Total Marks 50.00

7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (20)   Total Marks 20.00

Institute Marks : 20.00

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

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	2.5	2.5	Target achieved
Action 1: Assignments, tutorials and case studies are given in all the basic subjects to acquire basic knowledge on Engineering fundamentals and to improve the attainment level. Action 2: Guest lecture is conducted in basic engineering subjects to enhance the knowledge of Students.			
PO 2 : Problem Analysis			
PO 2	2.5	2.47	Target not achieved
Action 1: Tutorials and assignments for analytical subjects are given. Action 2: Additional experiments are conducted in the subject Data Structures and Algorithms Practical to analyse real world problem and find solutions. Action 3: Unit wise important problems are solved for the subject Compiler Design to improve the problem solving capabilities. Action 4: Aptitude classes are conducted to improve the analytical skills.			
PO 3 : Design/development of Solutions			
PO 3	2.5	2.52	Target achieved
Action 1: Special Courses in programming languages are conducted to improve the skills of developing computer based solution. Action 2: Industry personnel to be invited to deliver lectures in the area of design and Computer based solutions.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.5	2.38	Target not achieved
Action 1: Augmenting extra experiments in lab courses and mini projects are encouraged. Action 2: Conducted workshops in latest technologies AI. Action 3: More students are encouraged to select complex problem and provide solution for Smart India Hackathon and Hacker earth.			
PO 5 : Modern Tool Usage			
PO 5	2.5	2.67	Target achieved
Action 1: Workshops in IOT, Cloud computing, Big Data analytics were conducted for students. Action 2: Latest software tools are installed in computer laboratory			
PO 6 : The Engineer and Society			
PO 6	2.5	2.59	Target achieved
Action 1: Awareness programs are conducted to educate about the society issues influenced engineering practices.			
PO 7 : Environment and Sustainability			
PO 7	2.5	2.71	Target achieved
Action 1: Students are encouraged to implement their project work in a real environment instead of doing simulation works. Action 2: Case studies are given to students to expose the knowledge on factors affecting environment sustainment.			
PO 8 : Ethics			
PO 8	2.5	2.78	Target achieved
Action 1: Conducted many co-curricular activities and extra-curricular activities to get the knowledge on ethical values.			
PO 9 : Individual and Team Work			
PO 9	2.5	2.63	Target achieved
Action 1: Conducted different co-curricular activities like paper presentation, group discussion and project exhibition for students to work on team and communicate effectively. Action 2: In main projects and mini projects, students are motivated to work as a team.			
PO 10 : Communication			
PO 10	2.5	2.70	Target achieved
Action 1: Courses are is conducted for first year students to improve the reading, writing and speaking skills. Action 2: MOCK interviews are conducted to develop one - one communication skills. Action 3: Soft Skill training program is conducted for students to improve their personal, attitude and communication skills.			
PO 11 : Project Management and Finance			
PO 11	2.5	2.53	Target not achieved
Action 1: In project work, management aspects and financial aspects are instructed and monitored. Action 2: Conducted different co-curricular activities like paper presentation, technical quiz. Project reviews for students to improve their managerial skills.			
PO 12 : Life-long Learning			
PO 12	2.5	2.74	Target achieved
Action 1: Workshops and training program are conducted on changing technologies to understand the need for life long learning. Action 2: Students are encouraged to refer reputed journal paper to know about recent trends, research and also to understand the importance of life-long learning.			

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

PSOs	Target Level	Attainment Level	Observations

PSO 1 : Mathematical Foundation of Algorithms: Demonstrate knowledge of Probability & Statistics, Discrete Mathematics, Data Structure and applications appropriate to Computer Science and Engineering.

PSOs	Target Level	Attainment Level	Observations
PSO 1	2.5	2.51	Target achieved

Action 1: Assignments, tutorials and cases studies are given in all the basic subjects to attain basic knowledge on Engineering fundamentals to improve the attainment level. Action 2: Students are encouraged to do special courses in programming languages to improve the skills of developing computer based solution.

PSO 2 : Essentials of Computer Science: Understand the dynamic concepts and methodology of computer systems, and to know the functionality of hardware and software characteristics of computer systems.

PSOs	Target Level	Attainment Level	Observations
PSO 2	2.5	2.51	Target achieved

Action 1: Organized project expo, paper presentation events for the students to increase the spirit of software development. Action 2: Conducted workshops on IOT, AI to improve the programming skills of the students.

PSO 3 : Basics of Software Development: Analyze, Design, implement, Test, and evaluate computer system or algorithm to meet the industrial requirements and to solve a computational problem with ethical values.

PSOs	Target Level	Attainment Level	Observations
PSO 3	2.5	2.50	Target achieved

Action 1: More students are encouraged to select real world problems and provide solution for Smart India Hackathon .

7.2 Academic Audit and actions taken thereof during the period of Assessment (10)   Total Marks 10.00

Institute Marks : 10.00

The process of Academic Auditing intends to monitor and enhance the quality of technical education through proper guidelines for both teaching faculty and students, so as to ensure qualified engineers/researchers passing out from Engineering Institutions. The process of Academic audit shown in tha Figure 7.1
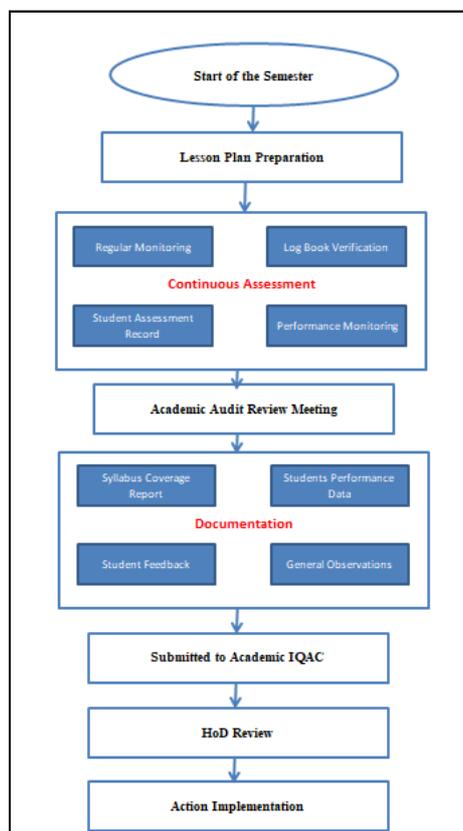
Figure 7.1 - Process of Academic Audit

Objectives of Academic Auditing:

- To ensure academic accountability.
- To define quality of each component of the functionalities and to ensure quality of technical education throughout the system.
- To safeguard functionalities of technical education.
- To define effectiveness of teaching – learning process and to devise methodology to confirm maximum output from faculty members as well as students.

Academic Audit Report

The academic audit process is conducted each semester to monitor and evaluate educational quality. The college maintains transparent communication channels about the audit process through formal circulars distributed to all relevant departments. The process of Academic audit is as follows:

- At the start of the semester lesson plan is prepared with the hours allotted as per the time table and the total hours allotted for each subject by Anna University (Affiliating University) for completion of the syllabus.
- Log Books are verified by the HOD and the Principal to keep track of the syllabus coverage and attendance of the students.
- The college maintains detailed student assessment records tracking multiple evaluation components including slip tests, midterm examinations, assignments, and attendance for each subject. A target attainment of 50% is set as the expected minimum performance.
- Regular academic performance monitoring is done through a comprehensive system that records individual student progress across parameters like test scores, assignment completion, and class participation maintaining hour engagement period.
- The Academic Audit Review meeting for every Semester is scheduled thrice with specific presentation dates assigned to different departments.
- Academic Coordinators from each department are responsible for ensuring complete documentation of syllabus coverage and academic records.
- General issues faced by the students are also noted during the audit period.
- The audit process demonstrates active involvement of key stakeholders including the Principal, Academic Coordinators and faculty members in maintaining academic standards.
- Student feedback is incorporated into the audit process, with current records indicating general student satisfaction with the teaching-learning process.
- Faculty performance is evaluated based on syllabus completion, teaching effectiveness, and student achievement metrics as part of the regular audit procedure.
- Documentation and record-keeping form a crucial part of the audit, with emphasis on maintaining detailed subject-wise academic reports and student performance data.
- Compiled reports with supporting documentation are submitted first to the IQAC and then to Department HOD for validation of academic records.
- The HoD takes action based on the academic report.

ACTION TAKEN REPORT:

- Syllabus Coverage Actions:
  - Scheduling extra classes to complete pending portions
  - Revising teaching plans for better time management
  - Assigning additional resources/faculty if needed
- Student Performance Actions:
  - Organizing remedial classes for struggling students
  - Implementing special counseling sessions
  - Communicating with parents about progress
  - Creating peer learning groups
- Faculty Development Actions:
  - Conducting teaching methodology training
  - Arranging mentoring by subject experts
  - Implementing performance improvement plans

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

Institute Marks : 10.00

Improvement in Placement, Higher Studies and Entrepreneurship:

Item	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
Total No. of Final Year Students (N)	89	108	56
No. of students placed in companies or Government(x)	77	82	49
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y)	-	4	1
No. of students turned entrepreneur in engineering/technology (z)	1	1	1
Total	78	87	51
Placement Percentage	87.64	80.5	91.07

Salary Package:

Year	Highest Package	Lowest Package	Percentage of students placed
2023-2024	Rs 8,60,000 per Annum	Rs 2,40,000 per Annum	88%
2022-2023	Rs 6,00,000 per Annum	Rs 1,60,000 per Annum	81%
2021-2022	Rs 6,50,000 per Annum	Rs 2,00,000 per Annum	91%

Sample List of Companies:

S.NO	ACADEMIC YEAR	COMPANY NAME
1	2023-24	DP WORLD, DUBAI
		M/s ZINNOV
		ACADEMOR
		KODENEST
		SMARTED
		QSPIDER
		THINKSYNQ
		Ms SKILL DHUNIA
		M/s TECHNOLOHIES GLOBAL PVT LTD
		M/s. MOVATE
		M/s. FOXCONN
		SALS EDUCATION ACADAMY PVT LTD
		QUAPT TECHNOLOGIES PVT LTD
2	2022-23	AVASOFT
		GODIGIT
		UNLIMITED INNOVATION
		CLIQ SOLUTION
		ASPIRE SYSTEMS
		TVM INFOTECH
		BOTREE
		QSPIDERS
		M/S TECHNOLOGIES
		JOY TECHNOLOGIES
		SUTHERLAND GLOBAL SERVICES
		THINKSYNQ SOLUTION PVT LTD
		LEADPRO

3	2021-22	AVASOFT
		PRACTICALLY
		CSS CORP
		EXCELACOM TECHNOLOGIES
		KUMARAN SYSTEMS
		CAPGEMINI
		QSPIDERS
		SUTHERLAND GLOBAL SERVICES
		TATA CONSULTANCY SERVICES
		TECHNOLOGICAL GLOBAL
		TAGIT INDIA PVT LTD
		UNLIMITED INNOVATION
		THINKSYNQ SOLUTION PVT LTD
		CAMPUS CONNECTION
		REVATURE CONSULTANCY SERVICE PVT LTD
		CELCOM GLOBAL SOLUTIONS PVT LTD
		INFINITI

7.4 Improvement in the quality of students admitted to the program (10)

Total Marks 10.00

Institute Marks : 10.00

Item		2024-25	2023-24	2022-23
National Level Entrance Examination Nil	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 State	No of students admitted	97	109	98
	Opening Score/Rank	90	90	93
	Closing Score/Rank	45	42	42
Name of the Entrance Examination for Lateral Entry or lateral entry details Nil	No of students admitted	0	0	0
	Opening Score/Rank	0	0	0
	Closing Score/Rank	0	0	0
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		66	69	65

8 FIRST YEAR ACADEMICS (50)

Total Marks 43.10

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

Total

Institute M

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 (%) CAY	CAYm1	CAYm2	Currently Associated (Yes / No)	Nature Of Association (Regular / Contract)	D le c C A is
RAGHU Y	BADPR2839G	M.Sc. (Physics) and Ph.D.	24/03/2017	RADIATION PHYSICS	Professor	05/07/2023	100	100	0	Yes	Regular	
CHITRADEVI S	AINPC0709R	M.Sc. and Ph.D. (Chemistry)	14/09/2014	ORGANIC CHEMISTRY	Professor	01/11/2023	100	100	0	Yes	Regular	
IMMACULATE	BWGPG4754E	M.Sc. (Physics) and Ph.D.	17/07/2017	PHYSICS	Professor	06/08/2001	100	100	100	Yes	Regular	
STELLA MARY	CHEPS9723B	M.Phil	30/05/2006	PHYSICS	Assistant Professor	20/07/2017	100	100	100	Yes	Regular	
VISHNUPRIYA	AECPV5768E	M.SC. (Mathematics) and PhD	05/01/2015	GRAPH LABELLING	Associate Professor	19/02/2024	100	100	0	Yes	Regular	
AJITHA R	BBQPA2758D	M.SC. (Mathematics) and PhD	11/02/2023	GRAPH THEORY	Assistant Professor	14/07/2023	100	100	0	Yes	Regular	
ANANTHARAM	ANZPA7425R	M.SC. (Mathematics) and PhD	21/03/2022	GRAPH THEORY	Assistant Professor	01/08/2024	100	0	0	Yes	Regular	
ROSHNI L	HLPPR3469P	M.SC. (Mathematics) and PhD	04/01/2024	GRAPH THEORY	Assistant Professor	08/07/2024	100	0	0	Yes	Regular	
KAVITHA M	AMAPK5888Q	M.Phil	31/05/2006	MATHEMATICS	Associate Professor	15/04/2002	100	100	100	Yes	Regular	
KAMARAJ K S	GATPK0598G	M.Phil	31/05/2014	GRAPH THEORY	Assistant Professor	21/01/2019	100	100	100	Yes	Regular	
HARIPRIYA R	AIRPH5830J	M.A and Ph.D	27/10/2022	MULTICULTURAL PERSPECTIVES	Assistant Professor	24/05/2023	100	100	0	Yes	Regular	
THARANI K	BEWPT7079H	M.Phil	31/05/2018	CULTURAL ALIENATION	Assistant Professor	11/04/2022	100	100	100	Yes	Regular	
EVANGELINE	EDPPK4636G	M.A and Ph.D	07/04/2016	TAMIL	Assistant Professor	20/11/2024	100	0	0	Yes	Regular	
STEFFY TEEN	DULPS2462E	M.E/M.Tech	30/06/2013	GEOMATICS	Assistant Professor	10/06/2019	100	100	100	Yes	Regular	
CHANDRAN G	ARPPC0884N	M.E/M.Tech	30/06/2010	POWER ELECTRONICS AND DRIVES	Assistant Professor	14/12/2018	100	100	100	Yes	Regular	
PRADEEP E M	DIFPP6722J	M.E/M.Tech	20/07/2015	MANUFACTURING ENGINEERING	Assistant Professor	30/11/2020	50	50	50	Yes	Regular	
SUBASHINI J	DGOPS0803Q	M.Sc. (Physics) and Ph.D.	31/03/2007	PHYSICS	Assistant Professor	12/07/2021	0	100	100	No	Regular	0
SNEHA S	BRQPS7176H	M.Phil	31/05/2007	ALGEBRA	Assistant Professor	10/06/2019	0	50	100	No	Regular	2
NANDAGOPAL	AJKPN9655L	M.SC. (Mathematics) and PhD	23/08/2023	GRAPH THEORY	Assistant Professor	05/07/2023	0	50	0	No	Regular	2
JASMINE G	AUVPJ6612N	M.SC. (Mathematics) and PhD	03/11/2023	FRACTIONAL DIFFERENTIAL EQUATION	Assistant Professor	24/07/2023	0	50	0	No	Regular	3
SATHIRAGAVA	GIGPS2307M	M.Phil	31/05/2012	GRAPH THEORY	Assistant Professor	20/08/2022	0	100	100	No	Regular	3
JASWINI JANI	OHHPS3198R	M.Phil	15/07/2019	PSYCHOLOGICAL HORROR THRILLER	Assistant Professor	20/09/2021	0	0	100	No	Regular	2

Name	PAN	Qualification	Date	Specialization	Designation	Date				Regular/Contract	Type	
NIKITHA B	FXTPB7110P	MA	31/05/2019	ENGLISH	Assistant Professor	20/09/2021	0	0	100	No	Regular	2
GEETHA V	ARQPG7248B	M.Phil	31/05/2015	ENGLISH	Assistant Professor	19/09/2022	0	0	50	No	Regular	1
PREETHI VINN	CICPP2057A	M.E/M.Tech	28/06/2011	COMMUNICATION SYSTEM	Assistant Professor	05/02/2025	100	0	0	Yes	Regular	
MONISHA V	BZSPV6413J	M.E/M.Tech	30/06/2021	WIRELESS TECHNOLOGY	Assistant Professor	03/10/2024	100	0	0	Yes	Regular	
BABU J	BEIPB8517G	M.Sc. and Ph.D. (Chemistry)	16/05/2022	ORGANIC CHEMISTRY	Assistant Professor	03/09/2024	100	0	0	Yes	Regular	
PETCHIAMMA	BCFPP8217G	M.Sc. and Ph.D. (Chemistry)	24/02/2020	INORGANIC CHEMISTRY	Assistant Professor	15/09/2022	100	100	100	Yes	Regular	
EDWARD JEY	ABCPE8130C	M.Sc. and Ph.D. (Chemistry)	10/03/2022	PHYSICAL CHEMISTRY	Assistant Professor	14/09/2022	50	100	100	No	Regular	0
ANBARASAN	CHNPA4232N	M.Sc. and Ph.D. (Chemistry)	16/05/2022	PHYSICAL CHEMISTRY	Assistant Professor	17/11/2021	100	100	100	Yes	Regular	
VIGNESH S	FCCPS2002F	M.E/M.Tech	30/09/2020	COMPUTER SCIENCE	Assistant Professor	15/12/2023	100	50	0	Yes	Regular	
ALWIN STAR A	BONPA1632N	ME/M. Tech and PhD	30/03/2020	POWER SYSTEM	Assistant Professor	19/09/2023	0	100	0	No	Regular	1
SHEELA C	COIPC9609D	M.Phil	30/01/2003	GRAPH THEORY	Assistant Professor	09/05/2022	0	0	100	No	Regular	1
EMMANUEL S	ABCPE2112Q	M.E/M.Tech	30/06/2007	MANUFACTURING TECHNOLOGY	Assistant Professor	02/01/2025	50	0	0	Yes	Regular	
AMBROSE PR	AHZPP6467G	M.SC. (Mathematics) and PhD	21/10/2016	GRAPH THEORY	Associate Professor	26/03/2021	0	0	100	No	Regular	2
SUDHA MERL	EDTPS9437R	M.E/M.Tech	30/06/2017	POWER ELECTRONICS AND DRIVES	Assistant Professor	02/02/2023	100	100	50	Yes	Regular	
KIRUBHA G	GGSPK5810C	M.Phil	31/05/2015	FUZZY LOGICS	Assistant Professor	03/01/2022	0	100	100	No	Regular	1
JEBARAJ G	BCLPJ7846R	M.E/M.Tech	15/05/2017	STRUCTURAL ENGINEERING	Assistant Professor	15/06/2017	100	100	100	Yes	Regular	
STANISLAUS	JDWPS8875P	M.A and Ph.D	14/10/2024	ENGLISH LANGUAGE TEACHING	Assistant Professor	29/01/2024	100	50	0	Yes	Regular	
SYED FEROZE	DMGPS3202H	M.E/M.Tech	31/05/2011	FIBER OPTICS	Assistant Professor	26/06/2023	50	50	0	Yes	Regular	
KRISHNAMOC	CTHPK2110F	M.E/M.Tech	30/06/2013	ENGIEERING DESIGN	Assistant Professor	16/06/2016	50	50	50	Yes	Regular	
KRISHNAMAL	BFYPJ8711H	M.E/M.Tech	30/06/2019	EMBEDDED SYSTEM	Assistant Professor	14/08/2023	100	100	0	Yes	Regular	
VIJAYA G	BDXPV1664G	M.E/M.Tech	25/06/2013	POWER ELECTRONICS AND DRIVES	Assistant Professor	18/01/2019	100	100	100	Yes	Regular	

Year	Number Of Students(approved intake strength) N	Number of Faculty members(considering fractional load) F	FYSFR (N/F)	*Assessment= (5*20)/FYSFR(Limited to Max.5)
2022-23(CAYm2)	420	22	19	5
2023-24(CAYm1)	480	27	18	5
2024-25(CAY)	540	29	19	5
Average	480	26	18	5

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

Total Marks 2.67

Institute Marks : 2.67

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Faculty with Post graduate Qualification)	RF (Number Of Faculty Members required as per SFR of 20:1	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2022-23	3	13	21	2.00
2023-24	8	13	24	3.00
2024-25	10	12	27	3.00

Average Assessment: 2.67

8.3 First Year Academic Performance (10)   Total Marks 5.43

Institute Marks : 5.43

Academic Performance	2024-25	2023-24	2022-23
Mean of CGPA or mean percentage of all successful students(X)	6.12	6.21	5.04
Total Number of successful students(Y)	108.00	96.00	109.00
Total Number of students appeared in the examination(Z)	115.00	103.00	116.00
API [X*(Y/Z)]	5.75	5.79	4.74

Average API[(AP1+AP2+AP3)/3] : 5.43

Assessment [1.5 * Average API] : 5.43

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

Our college conducts two Internal Assessment Test (IAT-I & IAT-II) and Model Exam. IAT – I covers Unit-I & II. IAT – II covers Unit-III & IV. All the five units (Unit-I, II, III, IV, V) are covered in Model Exam Question paper. The internal test consists of 50 Marks with duration of 1.5 hours and Model Exam consists of 100 Marks with duration is 3 hours. The question paper are set to make the student to learn time management.

A. Process for Internal semester Question Paper Setting, Evaluation and effective process implementation: (5)

1. Internal semester Question Paper Setting:

- Question papers all prepared by the course in-charges.
- For each subjects, question bank is prepared.
- While setting the question paper all previous university exam papers are taken into   consideration.
- According to level of toughness the questions are prepared (viz., analyzing the problems implementation of modern tools, formulating the problems etc), which is termed as Bloom's Taxonomy.
- The students are asked to prepare and submit unit wise assignments, prior to Model examinations. The assignment should contain Key points, Neat diagrams / circuit, Derivations and Tables or plots as expected in the answer scripts in university exams.
- Evaluated answer scripts are randomly selected and checked for the authenticated awarding of marks by the senior faculty members. Changes are made in the marks when there is a genuine claim.

2. Evaluation:

- The faculties after every internal assessment test they explain the solution of the questions in the class which will enable them to perform well in the final examination.
- For any genuine reasons, if a student was unable to perform well in the given three internal assessment tests, retest is given to students..
- Department exam Cell will conduct the exams and answer scripts are evaluated by the Concern subject In-charges.
- Department will consolidate the marks after two days of the exam.
- Department categorize the students such as Advance Learners, average and slow learners based on their marks.
- Special coaching classes are conducted for the students by the subject In-charges.

3. Student Performance Analysis:

Department categorize the students such as Advance Learners, average and slow learners based on their marks.

Students Level Analysis:

Level 1: Internal Assessment Test marks > 80 % = Advance Learners Students

- Mementos are distributed to motivate them to continue their Excellency in academics.
- Giving special coaching to achieve university ranks.

Level 2: Internal Assessment Test marks 50 % to 80 % = Average Students

- Student mentors follows their progress regularly advising students about attending classes, making up classes missed, and getting additional help
- Repeated University questions are given to make them to get more marks
- Taking necessary actions to promote them to the next level
- Concentrating on analytical papers
- Motivating them through Parent teachers Association
- Encourage them to implement the innovative ideas as the projects
- Encourage them to participate in various activities of the Department and also Colleges.

Level 3: Internal Assessment Test marks < 50 % = Slow Learners

- Concentrate on two marks questions
- Repeated University questions are given to make them pass.
- Special Coaching are given for all papers before the University exams
- Regularly Counseling them in all aspects
- Help them by conducting regular Coaching Classes to clear the papers
- Student mentors follows their progress regularly advising students about attending classes, making up classes missed, and getting additional help.
- Conduction of extra classes to those who failed in previous semester subjects.

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

Each question is mapped with COs. Student who answered to particular question is taken into consideration and average of all students' marks is taken for CO-PO attainment. Knowledge levels and learning levels are incorporated in the question banks and internal exam questions, that ensures COs level and its accomplishment.

Assessment Process	Evaluation
Theory	
Class tests	Class testsareconductedeverydayduring1st hourfor25marks.
Continuous Assessment tests	Three continuous assessment tests will be conducted. The first two willbeconductedfor50marksforthedurationof1.30Hrscovering 4 units (2 units each). The last assessment will be a model exam for 100marks foradurationof3 Hrs with all 5-units.
End Semester Examination	Will be conducted as per Anna University schedule
Laboratory	

Model Exam	Lab model exam will be conducted after completion of all the experimentsfor100 marks for a duration of3 Hrs
End Semester Exam	Will be conducted as per Anna University schedule

Others	
Assignments	Three Assignment topics per subject will be given to students
Tutorials	The entire class will be divided into three batches where each batch will have 20 to 23students. A faculty will be allotted for each batch. Every week an hour will be conducted for tutorials wherein the Faculty will make the students solve more problems.

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

Institute Marks : 5.00

Assessment Tools

Assessment Tools are categorized into direct and indirect methods. The CO, PO and PSO attainment is calculated based on the assessment process through assessment tools. The direct assessment tools used to calculate the attainment of Course Outcomes are Internal Assessment Tests, Assignments and University Examination. 20% of weightage is given to Internal Assessment Tests and Assignments, 80% of weightage is given to University Examination. The indirect assessment tool used to calculate the attainment of Course end-survey. The Course End Survey consists of Questionnaires prepared with four scale range by focusing to evaluate the COs attainment of all courses in a semester.

Each CO is mapped with POs and the direct attainments of POs are calculated. The indirect assessment tools used to calculate the attainment of Program Outcomes are the Employer, Parent, Professional body activities and Graduate Exit Survey. For both PO and CO assessment, the weightage of direct assessment is 80% and indirect assessment is 20%.

Laboratory courses are assessed through the marks obtained by the students in the model examination, record book and university examination. The attainment levels for recording the attainment of Course Outcomes are defined based on the average performance of students in each subject.

B. The quality of assessment process and tools used:

All the Internal Assessmentmarks will be uploaded in Anna University web portal and the internal marks will be awarded purely based on their marks in the internal assessment and the assignments. Therefore students are expected to take the tests seriously and perform well in the tests & examination. Parents are requested to have a close watch on their ward's performance.

Table 3.2 a - Assessment process – Tools used

Test	Portion/Unit	Evaluation period
Internal Assessment Test – I	40%/ 1&2	
Internal Assessment Test – II	40%/3&4	Within 3-5 days after the last exam
Model Exam	100%(All Units)	
Model Practical Exam	As per Syllabus	

Attainment level:

Attainment level 1: 60% of students scoring more than 60 marks.

Attainment level 2: 70% of students scoring more than 60 marks.

Attainment level 3: 80% of students scoring more than 60 marks.

SAMPLED DATA - ACADEMIC YEAR -2023 - 2024

CSE-23-24

	CODE	SUBJECT	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
			Attainment level					**Attained Y/N**				
	HS3152	Professional English I	2.98	2.98	2.98	2.98	2.98	Y	Y	Y	Y	Y
	MA3151	Matrices and Calculus	1.56	1.58	1.56	1.62	1.61	N	N	N	N	N
	PH3151	Engineering Physics	1.93	1.93	1.97	1.97	1.9	N	N	N	N	N
	CY3151	Engineering Chemistry	2.1	2.1	2.13	2.13	2.09	Y	Y	Y	Y	Y
SEM -I	GE3151	Problem Solving and Python Programming	1.81	1.81	1.8	1.8	1.79	N	N	N	N	N
	GE3152	Heritage of Tamils	2.34	2.34	2.34	2.34	2.34	Y	Y	Y	Y	Y
	BS3171	Physics and Chemistry Laboratory	3	3	3	3	3	Y	Y	Y	Y	Y
	GE3171	Problem Solving and Python Programming Laboratory	3	3	3	3	3	Y	Y	Y	Y	Y
	GE3172	English Communication lab	3	3	3	3	3	Y	Y	Y	Y	Y
	HS3252	Professional English - II	3	3	3	3	3	Y	Y	Y	Y	Y
	MA3251	Statistics & Numerical Methods	1.78	1.78	1.76	1.76	1.75	N	N	N	N	N
	PH3256	Physics for Information Science	2.15	2.15	2.16	2.16	2.06	Y	Y	Y	Y	Y
	BE3251	Basic Electrical & Electronics Engineering	1.57	1.57	1.55	1.55	1.54	N	N	N	N	N
SEM-II	GE3251	Engineering Graphics	2.67	2.67	2.72	2.72	2.61	Y	Y	Y	Y	Y
	CS3251	Programming in C	2.11	2.11	2.15	2.15	2.1	Y	Y	Y	Y	Y
	GE3252	Tamils & Technology	2.96	2.96	2.96	2.96	2.96	Y	Y	Y	Y	Y
	GE3271	Engineering Practices Laboratory	3	3	3	3	3	Y	Y	Y	Y	Y
	CS3271	Programming in C Laboratory	2.84	3	3	3	3	Y	Y	Y	Y	Y
	GE3272	Communication Laboratory	3	3	3	3	3	Y	Y	Y	Y	Y

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

8.5.1 Indicate results of evaluation of ezch relevant PO and/ or PSO, if applicable (15)   Institute Marks : 15.00

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	0	0	0	0	0	0	0	3	3	3	0	3
C102	3	3	3	3	0	0	0	0	3	0	0	0
C103	3	3	3	0	0	0	0	0	0	0	0	0
C104	3	3	3	0	0	0	0	0	0	0	0	0
C105	3	3	3	0	0	0	0	0	0	0	0	0
C106	3	3	3	0	3	0	0	3	3	3	0	3
C107	3	3	3	0	3	0	0	3	3	3	0	3
C108	3	3	3	0	0	0	0	3	3	3	0	0
C110	0	0	0	0	0	0	0	3	3	3	0	3
C111	3	3	3	3	0	0	0	0	3	0	0	0
C112	3	3	3	0	0	0	0	0	0	0	0	0
C113	3	3	3	0	0	0	0	0	0	0	0	0
C114	3	3	3	0	0	3	3	3	0	0	0	3
C115	3	3	3	0	0	0	0	3	3	3	0	3
C116	3	3	3	3	3	3	3	3	3	3	0	3
C117	3	3	3	0	0	0	0	3	3	3	0	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	3	3	3	3	3	3	3	3	3	3	0	3
CO Attainment	3	3	3	3	3	3	3	3	3	3	0	3

PSOs Attainment:

Course	PSO1	PSO2	PSO3
C101	0	0	0
C102	3	3	0
C103	0	0	0
C104	0	0	0
C105	0	0	0
C106	0	0	0
C107	3	3	3
C108	0	0	0
C110	0	0	0
C111	3	3	0
C112	0	0	0
C113	3	0	0
C114	0	0	0
C115	3	3	3
C116	0	0	0
C117	3	3	3
PSO Attainment	3	3	3

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	3	3	3

8.5.2 Actions taken based on the results of evaluation of relevant POs (5)   Institute Marks : 5.00

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

Course	PSO1	PSO2	PSO3
Direct Attainment	3	3	3

8.5.2 Actions taken based on the results of evaluation of relevant POs (5)   Institute Marks : 5.00

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

POs	Target Level	Attainment Level	Observations

PO 1 : Engineering Knowledge

PO 1	2.54	2.55	Attained

Action 1: The activities to be carried out for enhancing PO 1 involves giving assignment problems and tutorial problems.

PO 2 : Problem Analysis

PO 2	2.5	2.1	Moderately attained

Action 1:The students are given seminars and assignments on the subjects such as Numerical methods Action 2:Tutorial hours were taken to solve problems. Action 3:More diverse problems to be taught in extra classes. Action 4: Matrices and Calculus courses were strengthened by various concepts and examples so that students improved their mathematics applications.

PO 3 : Design/development of Solutions

PO 3	2.5	1.97	Not attained

Action 1:Hands on Training and workshops are conducted in Python and C programming languages to improve the skills of development of Solutions. Action 2: Industry institute interaction through skilled persons are invited to deliver lectures.

PO 4 : Conduct Investigations of Complex Problems

PO 4	2.7	2.1	Not attained.

Action 1: Lectures were given on research based knowledge and motivating students to read research journal papers.

PO 5 : Modern Tool Usage

PO 5	2.5	2.3	Moderately attained

Action 1: Seminars are conducted to demonstrate the applications of modern simulation tools and animations to improve the attainment of problem solving techniques and programming concepts.

PO 6 : The Engineer and Society

PO 6	2.5	3	Attained

Action 1 :To understand the safety concerns and social aspects, students visited industry to expand their practical knowledge with the effect of improved practices in engineering.

PO 7 : Environment and Sustainability

PO 7	2.5	3	Attained

Action 1 :Initiation of tree plantation was done through Go Green Club. Action 2: The issues of global and environmental awareness among the student was initiated through GO GREEN club. Staff and Students have participated in plantation programme during Sept, 2023.

PO 8 : Ethics

PO 8	2.5	3	Attained

Action 1 : Career orientation program, corporate lectures and motivational talks were arranged to overcome the above observations. Action 2: Service learning and respect for others was initiated through NSS and Women's Empowerment program.

PO 9 : Individual and Team Work

PO 9	2.5	3	Attained

Action 1:Classes were continued to motivate students to do innovative projects. Action 2:To initiate the concept of team work, technical activities such as symposium, mini projects were practiced.

PO 10 : Communication

PO 10	2.5	3	Attained

Action 1: Soft skills training is imparted to students to enhance various aspects of communication/technical talks by group discussions, presentations and new learning outcomes.

PO 11 : Project Management and Finance

PO 11	2.5	2	Attained

Action 1 : Students are encouraged to participate in technical competitions right from the beginning of the course to acquire project Management skills

PO 12 : Life-long Learning

PO 12	2.5	2.2	Moderately attained

Action 1: To encourage students to make use of Interactive Learning Tools. Action 2: To encourage students to do some certification courses on Technology changes, Recent Trends, Honor Degree and Communication Skills.

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

PSOs	Target Level	Attainment Level	Observations

PSO 1 : Mathematical Foundation of Algorithms: Demonstrate knowledge of Probability & Statistics, Discrete Mathematics, Data Structure and applications appropriate to Computer Science and Engineering.

PSO 1	2.5	3	Attainment Achieved

Action 1: Assignments, tutorials and cases studies are given in all the basic subjects to attain basic knowledge on Engineering fundamentals to improve the attainment level. Action 2: Students are encouraged to do special courses in programming languages to improve the skills of developing computer based solution.

PSO 2 : Essentials of Computer Science: Understand the dynamic concepts and methodology of computer systems, and to know the functionality of hardware and software characteristics of computer systems.

PSO 2	2.5	3	Attainment Achieved

Action 1: Organized project expo, paper presentation events for the students to increase the spirit of software development. Action 2: Conducted workshops on IOT, AI to improve the programming skills of the students. Action 3: Students are encouraged to design and develop one software pertaining to any subject in their current semester or using any recent technology.

PSO 3 : Basics of Software Development: Analyze, Design, implement, Test, and evaluate computer system or algorithm to meet the industrial requirements and to solve a computational problem with ethical values.

PSO 3	2.5	3	Attainment Achieved

Action 1: More students are encouraged to select real world problems and provide solution for Smart India Hackathon .

9 STUDENT SUPPORT SYSTEMS (50)   Total Marks 50.00

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

Institute Marks : 5.00

The mentoring system of DMICE is designed to provide personalized guidance and support to each student, addressing their academic, professional, and personal development needs. Mentors work closely with students to identify challenges, set goals, and track progress, ensuring they receive the necessary assistance, motivation, and resources to succeed. This system fosters one-to-one interactions, enabling students to enhance their skills, confidence, and overall growth in a structured and supportive environment.

Student Counselling Centre

The Student Counselling Centre at DMI College of Engineering (DMICE) provides a dedicated professional counsellor and a safe, supportive space on campus for students. It offers guidance on personal, academic, and career-related challenges through one-on-one sessions, helping students manage stress, anxiety, and emotional difficulties. The centre is a place where students are heard, understood, and encouraged, fostering resilience and emotional well-being. By nurturing a positive mindset and providing compassionate support, the centre plays a vital role in students overall growth, aligning with the college's commitment to holistic education and excellence.

Mentoring Process

Each faculty member is assigned to a batch of 15 to 20 students in a class. Mentor-Student Meetings are conducted once a month in every semester. Each student are required to complete a Student history card containing details about their parents or guardian, addresses, contact numbers, and academic history, including marks from all end-semester exams and periodical tests. The class coordinators or mentors maintain these History Card. Mentors keep track of progress through the Performance Improvement Plan (PIP).

Mentoring and Counselling the Students

- To monitor student's regularity and discipline.

- To enable parents to stay informed about the performance and regularity of their wards.

- To improve the teacher-student relationship.

- To counsel students, address their problems, and provide confidence to improve their quality of life.

- Mentors meet the students assigned to them once a month in a semester.

- Parents or guardians of students with poor attendance or performance are called to meet the mentors, and corrective and preventive measures are implemented for further improvement.

- Each mentor maintains detailed student information, which is reviewed by the Head of the Department (HOD) and other concerned authorities as necessary.

Figure.9.1: Sample photo for Student Mentoring

Personal Details

Name	: M. Saisachin
Department	: BE. AI/ML
Batch	: 2023
Year of Admission	: 2023
Register Number	: 23 AM 37
Course Duration	: 4 years
Date of Birth	: 07/12/2005
Gender	: Male / Female
Religion	: H / C / M / Others _____ HINDU
Community	: OC / BC / MBC / SC / ST
Personal Marks of Identification (Moles, etc.,)	: 1. moles on chin 2. mole on left hand
Nationality	: Indian
Blood Group	: B+ve
Permanent Address	: 37, Police line street, Sholinghur, Ranipet - 631102
Communication Address	: 37, police line street, sholinghur, Ranipet - 631102
Phone Number	: 8332410539
E-mail Id	: saisachin0799@gmail.com.

Parent / Guardian Details

Name of the Father	: S. MURALI Occupation : _____
Name of the Mother	: V. NIRMALA Occupation : _____
Contact Address	: 37, police line street, Sholinghur, Ranipet - 631102
Phone / Mobile Number	: 8489779931

Student History Card   Page - 01

STUDENT HISTORY CARD

NAME
M. SAISACHIN
REG. NO.
210523148037
DEPARTMENT
BE. AI/ML
PERIOD OF STUDY
2023 - 2027

DMI COLLEGE OF ENGINEERING

Palanchoor, Chennai - 602 123.

Figure.9.2: Sample photo for Student History Card

9.1.1	**Mentoring Process Flow**
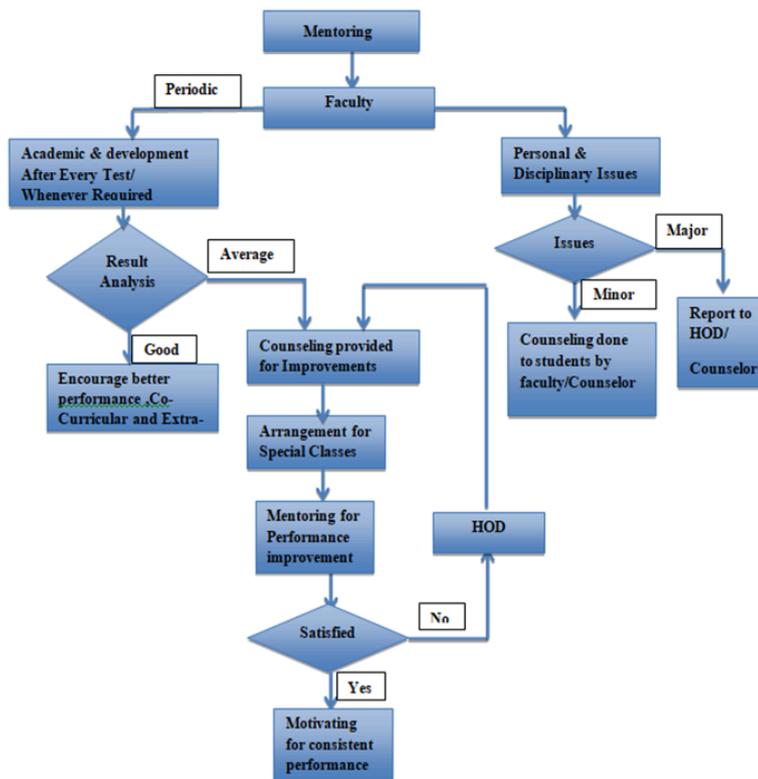
Figure.9.3 : Mentoring Process

Role of Mentors

- Ensure that students understand not only their commitment to their studies but also the value of contributing to the professional community and society.

- Keep track of students' progress and achievements, set milestones, and acknowledge their accomplishments.

- Observe students from diverse cultural and ethnic backgrounds and adopt productive methods to support their unique needs.

- Encourage students to explore new techniques and discuss concepts for better outcomes.

- Provide support and encouragement during times of emotional and physical distress, and recognize their accomplishments.

9.1.2	**Policy Mechanism of Mentoring System**

Table.9.1: Policies of Mentoring

Mentoring System	Description
Type of Mentoring	Professional Guidance/ Carrier Advancement / Academic Specific/ Laboratory Specific / All- Round Development/ Personal
Number of Students per Mentor	15 to 20
Frequency of Meeting	Meeting conducted every month after internal assessment by OFFLINE MODE
Parents Feedback	The Parents feedback is collected after every parents meet in the department or through phone calls.
Analysis	The feedback analysis will be referred by the HOD's for corrective measures, through Head of the Institution

9.1.3	Outcome of Mentoring System

- Increase in student attendance and active participation in academic activities.

- Enhanced academic performance, technical skills, and engagement in extracurricular activities.

- Significant improvement in the quality and innovation of student projects.

- Development of students personality, confidence, and mental resilience.

- Greater opportunities for career advancement, including higher education prospects.

- Enhanced capability to understand, evaluate, and contribute to resolving societal challenges effectively.

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

Institute Marks : 10.00

Feedback Collection Frequency: Conducted twice per semester for all courses (**YES/NO** format).

- Mode of Feedback Collection: Online Process.

Procedure

- Students from each class follow a pre-planned schedule and are guided to the computer lab for feedback submission.

- The questionnaire allows students to rate their experience as Excellent, Good, Satisfactory, Average, Poor based on their learning experience.

- Upon completion, a consolidated report is automatically generated and submitted to the Head of Department (HOD) and Principal for review.

- The final compiled report is shared with individual faculty members for feedback analysis and improvement.
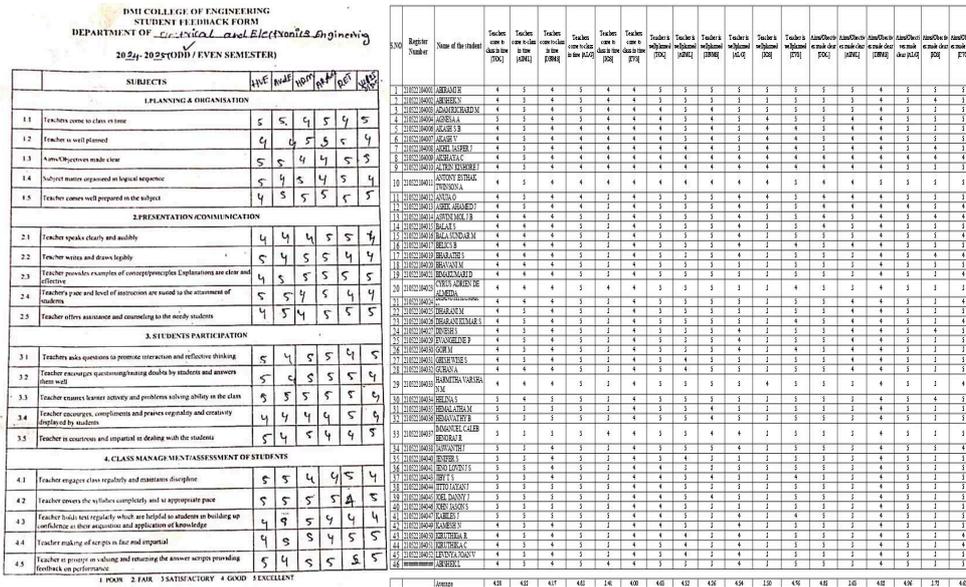
Figure 9.4: Sample Feedback (Offline and Online)

Feedback Analysis Process

- Student Participation Rate: More than 90% of students actively participate in the feedback process.

- Feedback Evaluation Method:

  - The collected feedback is assessed using a 5-point scale, and the average score is converted into a percentage.

  - The Head of Department (HOD) and Principal conduct a detailed analysis of the feedback.

  - Faculty members receive constructive feedback and necessary guidance to enhance their teaching effectiveness.

  - Appropriate counselling and support are provided to staff for continuous improvement.

  - We also collaborate with Performance Improvement Plan (PIP).

Table 9.2: Feedback Analysis Grading

Grading	Points
Excellent	5
Good	4
Satisfactory	3
Average	2
Poor	1

Feedback-Based Rewards & Corrective Measures

Based on student feedback on faculty performance and result analysis, the institute implements the following rewards and corrective measures

Rewards

- Faculty feedback scores are taken into account when evaluating eligibility for rewards and responsibilities.

Corrective Measures

- Faculty members receiving a feedback score below 70% are provided counselling and guidance by the HOD and Principal to help improve their performance.

- They are encouraged to participate in Faculty Development Programs (FDPs) and other professional training sessions to enhance their teaching skills and methodologies.

Corrective Actions Taken

Faculty members with below-average performance undergo continuous training through Faculty Development Programs (FDPs) to improve their teaching quality, instructional methods, and overall effectiveness.

9.3 Feedback on facilities (5)

Total Marks 5.00

9.3 Feedback on facilities (5)

Total Marks 5.00

Institute Marks : 5.00

Assessment is based on the collection and analysis of student feedback, followed by the implementation of corrective actions.

Feedback on Facilities

Our college follows a standard procedure for gathering feedback on its facilities. Students provide feedback on various amenities, including water, internet, canteen, sports, and washroom facilities. The collected feedback is analysed, and after discussions with the Management, necessary corrective actions are taken.

Feedback Preventive Action

- When complaints are received from students regarding general facilities such as the library, hostel, canteen, etc., a report is submitted to the appropriate authorities for immediate corrective measures.
- All actions taken are promptly recorded for reference and accountability.

Following is the Process of Feedback on Facilities

1. Feedback Collection Process

2. Feedback Analysis

3. Corrective Measures
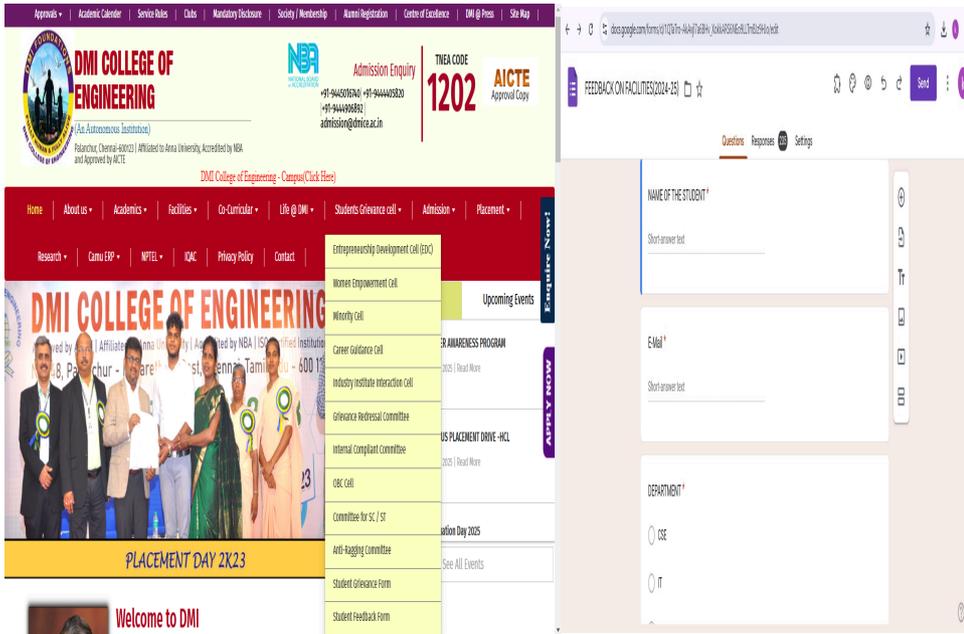
Figure: 9.5 Sample Facility Feedback on DMICE Website

i. **1. Feedback Collection Process**

Table 9.3: Details of Feedback Collection Process

Items	Description	
Feedback collected on all facilities provided by the college	YES	
Feedback Collection Process	Computerized	
Feedback Receiver	Principal / HOD/ Academic Audit Coordinator	
Frequency of Feedback Collection	Once in a year	
Metrics used for Calculation	Poor:	1
	Fair:	2
	Satisfactory:	3
	Good:	4
	Excellent:	5
Purpose of Comments	For improving the quality of facilities.	

Format of Student Feedback on Facility

Table 9.4: Questionnaires on Facilities Feedback

S. No	Questionnaires
1	Whether the lighting and ventilation in classrooms are satisfied?
2	Whether the furniture quality and quantity is maintained?

3	Projectors and screens available in classroom?
4	Whether the cleanliness is maintained in the class room?
5	No. of Computers sufficient for all students?
6	Whether the software required is available in the lab?
7	Is Cleanliness maintained in the lab?
8	Is Food price normal?
9	Is food quantity apt with the price?
10	Is food hygiene maintained?
11	Is the food provided is quality one?
12	Is no. of washrooms sufficient?
13	Is cleanliness maintained in washrooms?
14	Availability of ample water supply?
15	Is Drinking water quality maintained?
16	Is Wi-Fi Accessible?
17	Is Net speed?
18	Enough space available to play sports in college?
19	Is there Support and promotion of sports activities by university authorities?
20	Is there Motivation from institute authorities to participate and other college fest?

Table 9.5: Rating Scale

Grading	Points
Excellent	5
Good	4
Satisfactory	3
Average	2
Poor	1

2. Feedback Analysis

The feedback given by the students is consolidated and analyzed. Principal / HOD/ Academic audit Coordinator will discuss about the consolidated report with the management and come out with necessary actions.
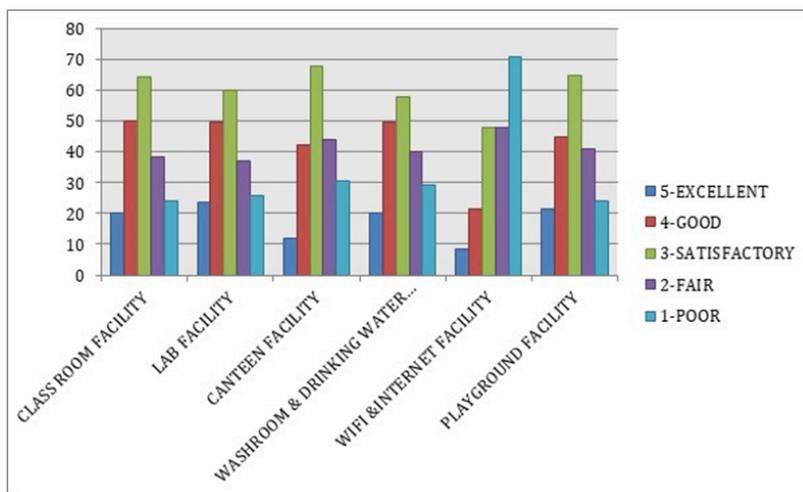
Figure: 9.6 Overall Feedback Analysis on Facilities for 2024-25

3. Corrective Measures

The college will take corrective action about the complaint by informing the facilities manager or administrator, who will then have the campus team address the issue.

9.4 Self-Learning (5)   Total Marks 5.00

Institute Marks : 5.00

Self-learning helps students develop a sense of responsibility, equipping them with essential attributes for their careers. It enables them to gain knowledge and apply it to broader domains, fostering a deeper understanding of their discipline. The college provides self-learning resources for students, including webinars, NPTEL, SWAYAM, KARMA, Google certifications and more. Additionally, self-learning encourages active participation in industrial training like implant trainings and internships. ERP CAMU is available where besides the course materials, quizzes, assignments and tutorials are uploaded to promote self-learning.

- Central Library

- Department Library

- Digital Library

- Wi-Fi Connectivity

- Course Materials uploaded on the CAMU (ERP)

Figure.9.7: Library in DMICE
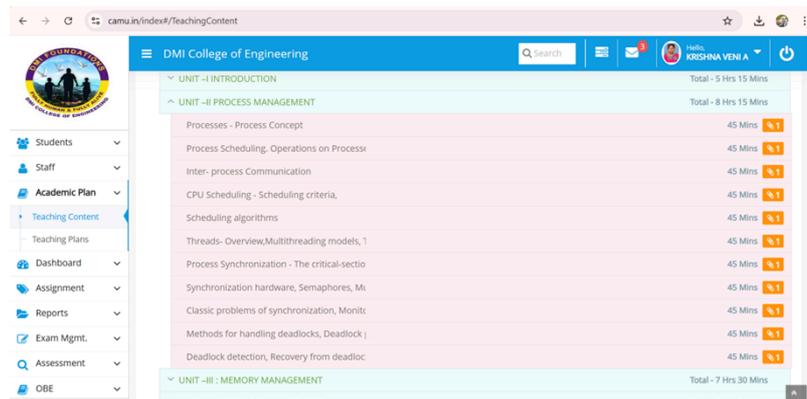
Figure. 9.8: Sample Course Material in CAMU (ERP)

Facilities

- The Central Library is well-equipped with journals and books related to subject knowledge, general knowledge, and skill development.

- The library offers web-based learning resources, including access to online journals and open-access materials through platforms like IEEE Online and DELNET.

- The institution provides access to NPTEL online courses to support student development.

Figure. 9.9: Sample NPTEL and Sample Karma Certificate

Figure. 9.10: Sample Google Course Certificate

- Students engage in online courses through platforms such as MOODLE and participate in webinars.

- Students are encouraged to participate in technical contests in other institutions.

- Students gain hands-on experience through in-plant training in industries relevant to their subjects.

- Annual industrial visits are organized to factories and companies related to current subjects, enabling students to acquire practical knowledge and learn beyond the classroom.

- Technical symposiums are conducted by each department, inviting experts in technical fields to share insights and broaden students knowledge.

Figure. 9.11: A Webinar on Electronic Commerce Security

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

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

Career Guidance

Career counselling is a vital process that helps students and professionals make informed career decisions. It enables individuals to explore career options, understand available opportunities, and assess career prospects, including earning potential.

Career Guidance Mechanism

- DMI College of Engineering conducts career assessment tests to evaluate students' interests, strengths, aptitudes, and personality traits.

- Faculty members and industry professionals provide mentorship on career selection, higher education, and industry trends.

- Career counselling sessions and workshops with industry experts enhance awareness of job roles and skill requirements.

- Internships, training programs, and on-the-job experiences improve students employability and career preparedness.
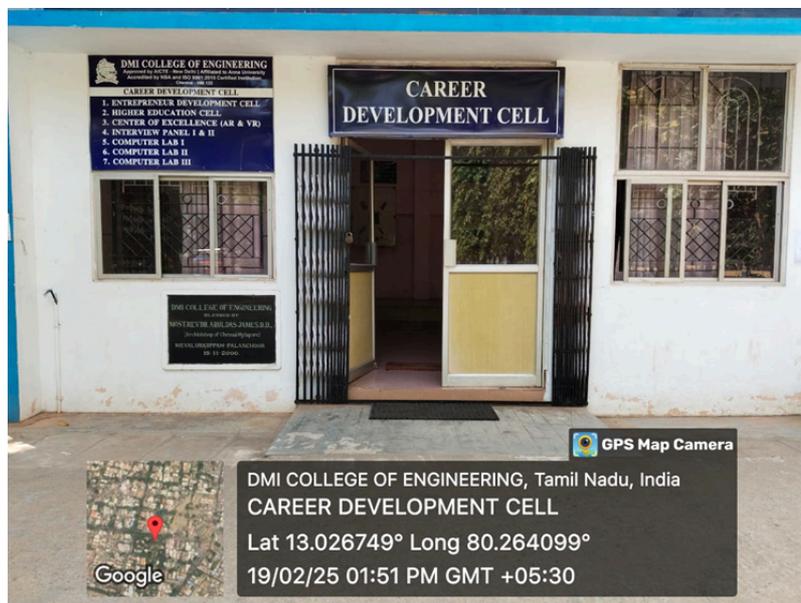
Figure. 9.12: Career Guidance Cell

Training and Placement

DMI College of Engineering has established a dedicated Training and Placement Cell, led by the Placement Officer and a department coordinator from each department. This Cell plays a crucial role in securing job placements for eligible students while striving to improve the average and highest salary packages each year.

Key Responsibilities and Activities:

- Actively connects with industries across the country to arrange placement talks and recruitment processes.

- Develops and systematically imparts comprehensive study materials covering Quantitative Aptitude, Reasoning, Verbal Ability, Personality Development, and Presentation Skills to enhance career readiness and professional competence.

- Conducts regular mock interviews to prepare students for real-world placement scenarios.

- Organizes training programs to enhance students employability and career readiness.

- Collects feedback from recruiting companies at the end of each placement process to improve career competency development programs.

Table 9.6: Placement Details

S.NO	YEAR	NO.OF STUDENTS PLACED	HIGHER EDUCATION	ENTREPRENEUR	TOTAL
1	2023-24	295	8	1	304
2	2022-23	277	6	2	285
3	2021-22	290	17	2	309
	TOTAL	862	31	5	898

9.6 Entrepreneurship Cell (5)   Total Marks 5.00

Institute Marks : 5.00

- The Entrepreneur Development Cell (EDC) at DMI College of Engineering fosters an entrepreneurial culture, encouraging innovation among students and faculty. It serves as a platform to equip aspiring entrepreneurs with the knowledge and skills to transform ideas into successful ventures.

- The EDC regularly hosts industry experts for guest lectures, offering insights into business strategies, start-up management, and success stories. These interactions help students develop an entrepreneurial mind-set and innovative thinking.

- Led by Dr. R. UmaMaheswari, Associate Professor, ECE, along with faculty coordinators from various departments, the EDC provides mentorship, training, and resources to empower students to innovate, take risks, and contribute to economic growth.

- Our College is an active partner of Wadhwani foundation that focuses on accelerating job growth.

Table 9.7: Activities of EDC

S. No	ED EVENT	GUEST SPEAKER	EVENT DATE
1	ED Bazaar	Mrs. BoomaSubbarao	15/03/2024
2	Entrepreneurship Challenges	Mr. VijayaKomagan	26/09/2023
3	Be You	Mr. Lion Kishore Srinivasan	22/09/2023
4	Developing & Implementing strategies plans for Business Growth	Mr. Rajeshkumar Ravichandran	12/09/2023
5	Funding Opportunities for New Entrepreneurs	Dr. P Anandhan- Asst. Professor/ Senior Grade 2 at VIT, Chennai.	04/03/2023
6	Innovation & Entrepreneurship	1.Prof.Dr.C.B.Ragothaman	28/02/2023
		2.Dr.Sankaraman-Professor	
7	Budding Entrepreneur	Mr. Mohan Ram, Founder and Director of &IEQS.	02/12/2022
8	Nuances in Entrepreneurship	Mr. Thompson Abraham, Entrepreneur, Freelancer.	17/09/2022
9	Being an Entrepreneur	Mr. G.K. Narayanan, Director, Joyce Infratech Ltd & Joyce Power International Pvt. Ltd, Singapore.	13/02/2022
10	Entrepreneurship Awareness Programme	1.Dr. Daniel Chellappa-Eminent Nuclear scientist, Dr. KLS	23/03/2022
		2.Dr. KLS Reddy, IEDS, Asst. Director-MSME-DI	
		3.Shri Leela Krishnan-Asst. Director-MSME-DI,	
11	Unleashing the new trends of an Entrepreneur	Mr. S. Pandian, Founder, Kathir Sudhir Automation Pvt. Ltd	26/10/2021

Figure 9.13: "Developing and Implementing Strategic Plans for Business Growth" held on 12/09/23

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

Institute Marks : 10.00

Co-Curricular and Extra–Curricular Activities

DMI College of Engineering recognizes the significance of co-curricular and extra-curricular activities in fostering the holistic development of students. The institution provides various opportunities and resources to encourage student participation in technical, cultural, and professional activities.

Co-Curricular Activities:

- Students are encouraged to engage in paper presentations, project displays, and technical competitions through professional societies, department associations, and clubs.

- Technical symposiums, workshops, and guest lectures are organized annually, ensuring active student participation.

- Specific courses and assignments integrate co-curricular activities into the academic curriculum to enhance practical learning.

- Departments host student associations that conduct conferences, seminars, and workshops

- The college houses student chapters of professional organizations such as ISTE, IEEE, CSI, SAE, IAEng fostering networking and skill development.

- Students are motivated to participate in technical symposiums, seminars, and cultural fests at other institutions, enhancing their exposure to industry trends and innovations.

- The college encourages students to organize and participate in national-level symposiums, cultural events, and technical fests.

- ur College has various department wise clubs to encourage students actively participate in the club activities.
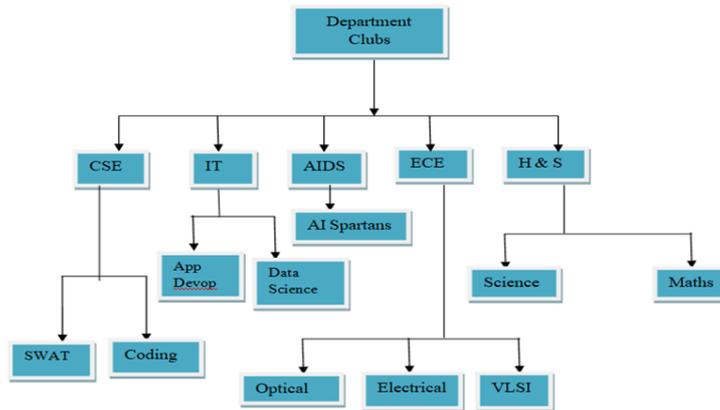
Figure. 9.14: Department Clubs

Table 9.8: Department Clubs

DEPARTMENT	NAME OF THE CLUB
AIDS	AI SPARTANS Club
CSE	SWAT Club
	Coding Club
ECE	Electronics Club
	Microwave Club
	VLSI Club
EEE	Energy Club
	Dr. Abdul Kalam Club
IT	App Development Club
	Data Science Club
MECH	Robotics Club
	SAE Club
	Additive Manufacturing Club
S&H	Science Club
	Maths Club

Extra-Curricular Activities

Clubs for Social Activities or Connect

1. National Service Scheme (NSS)

The NSS unit at DMI College of Engineering plays a crucial role in nurturing responsible and compassionate citizens. Comprising dedicated volunteers, the unit promotes a spirit of service, empathy, and community engagement.

NSS provides students with valuable opportunities to understand societal challenges and develop a sense of responsibility. One of its key initiatives is a week-long special camping program in adopted villages, where students collaborate on various activities, share experiences, and take on social responsibilities to address regional and national issues.

DMI College of Engineering conducts NSS activities annually by the Anna University NSS schedule. Some of the key initiatives include:

- Tree Plantation Drive

- Swachh Bharat Abhiyan

- Traffic and General Awareness Program

- COVID-19 Awareness and Facilitation

- COVID-19 Vaccination Drive for Staff

- Plastic Eradication Awareness Camp

- International Day of Yoga Celebration

- Dengue Awareness Program

- Waste Management Awareness Campaign

- Tobacco Awareness Program

Through these initiatives, the NSS unit instils a strong sense of social responsibility and service, empowering students to make meaningful contributions to society.

Figure 9.15: Tree Plantation at DMICE

Table 9.10: NSS Activities

S. NO	NSS EVENT	CHIEF GUEST	EVENT DATE
2024-25			
1	Tree Plantation Program	Principal Dr.Azhagesan, Rev. Sr. Pradeepa	05/06/2024
2	International Yoga Day	Ms. Anne Williams	21/06/2024
3	Eye and Dental Camp	Dr.Abishek and Mr.Kiran	19/07/2024
3	Blood Donation Camp	Nemam Health Inspector Mr.Vijayakumar and doctors Dr.Jothi and Dr. Jaya Lakshmi	20/09/2024
4	Plastic Awareness Program	Principal	25/10/2024
5	Anti-Drug Awareness Program	Ms.Navarathna	06/11/2024
2023-24			
1	Voter's awareness rally	Principal	21/03/2024
2	Campus Cleaning Program	Principal	02/04/2024
3	SwachhBharat Mission	-	11/04/2024
4	Village Cleaning	-	12/04/2024
5	Temple Cleaning	-	13/04/2024
6	Plastic Awareness	-	14/04/2024
7	Special Program to Elementary School Students	-	15/04/2024
8	Medical Camp to Village People	Nemam Health Inspector Mr.Vijayakumar and doctors Dr.Kamatchi, Government Health Primary Centre	16/04/2024
9	Tobacco awareness rally	Nemam Health Inspector Mr.Vijayakumar and Mr. Ramesh, Inspector of Police	27/06/2023
10	Drug Abuse awareness Program	Nemam Health Inspector Mr.Vijayakumar and Mr. Krishna, Inspector	11/08/2023

11	Blood Donation Camp	Nemam Health Inspector Mr.Vijayakumar and doctors Dr.Kamatchi, Government Health Primary Centre	21/09/2023
12	Traffic Awareness Program	Mr.Sivam, Inspector of Police, Nazaretpet	24/11/2023
2022-2023			
1	SwachhBharat Mission	-	14/02/2023
2	Village Cleaning	-	15/02/2023
3	Temple Cleaning	-	16/02/2023
4	Plastic Awareness	-	18/02/2023
5	Special Program to Elementary School Students	-	17/02/2023
6	Blood Donation Camp	Nemam Health Inspector Mr.Vijayakumar and doctors Dr.Kamatchi, Government Health Primary Centre	21/09/2022
7	National Deworming Day	Mr.Adhiseshan	17/08/2022
8	Tree Plantation Program	Mr.Marimuthu, Lawyer, Palanchur	05/06/2022

2. Red Ribbon Club (RRC):

The Red Ribbon Club of DMI College of Engineering actively organizes various awareness programs and community initiatives to promote health and social responsibility among students. The club conducts blood donation camps, plastic awareness rallies, dengue awareness rallies, tobacco awareness programs, and rabies awareness rallies to educate and engage students in meaningful social causes.

Through these initiatives, the Red Ribbon Club fosters a sense of social responsibility and encourages students to contribute to the well-being of the community. By spreading awareness on critical health and environmental issues, the club continues to make a positive impact both within the campus and beyond.

Figure 9.16: Sample Program Organized by RRC

3. LEO Club

A Leo Club is a youth organization that empowers young individuals to become active community leaders. Sponsored by Lions Clubs International, Leo Clubs offer opportunities for members to develop leadership skills, serve their communities, and build lasting friendships. With a strong focus on service, leadership, and fellowship, Leo Clubs inspire young people to create a positive impact in their communities.

Figure 9.17 Sample LEO Club Activities

4. Green Club

       The Go Green Club at DMI College of Engineering promotes environmental sustainability through awareness, waste management, energy conservation, and green initiatives like tree plantations and clean campus drives. It organizes eco-friendly workshops, rainwater harvesting awareness, and e-waste collection to instill environmental responsibility. By fostering a culture of sustainability, the club inspires students to contribute to a greener campus and a healthier planet.

Figure 9.18: Sample Program Organized by Go Green Club

5. IGEN

       The IGEN Club at DMI College of Engineering (DMICE) promotes sustainability, green energy, and environmental responsibility among students. It fosters awareness, innovation, and action through seminars, workshops, and research on renewable energy and sustainable development. The club collaborates with industry experts and organizations to provide valuable learning opportunities while encouraging student-led projects in green technology. Through community engagement and awareness drives, it instills ecological responsibility. Additionally, it offers skill development in waste management, energy conservation, and emerging green technologies. Committed to shaping future leaders in sustainability, the IGEN Club at DMICE empowers students to contribute to a greener future.
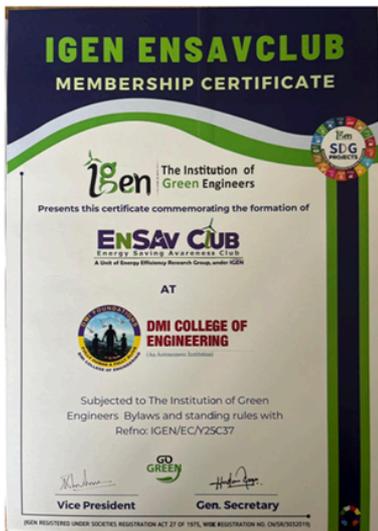
Figure 9.19 Sample IGEN program

6. Vanam

The Vanam Club of DMI College of Engineering actively collaborated with Vanam India Foundation to participate in their Short Film Competition, fostering creativity and environmental awareness among students.

This initiative provided students with a platform to express their ideas through short films while strengthening their association with Vanam India Foundation. It reinforced a shared dedication to environmental and social causes. The Vanam Club continues to inspire and engage students in impactful activities, encouraging them to contribute positively to society.

7. Bhumi

Students of DMI College of Engineering partnered with Bhumi NGO to conduct an awareness program, educating the public on key social and environmental issues. As part of this initiative, students actively participated by distributing pamphlets and walking through the streets to spread awareness within the community.

This initiative was a significant step toward social engagement, encouraging responsible actions and informed decision-making. Through this collaboration with Bhumi, students not only contributed to a noble cause but also developed a strong sense of civic responsibility and leadership.

Cultural Activities

Cultural activities play a vital role in student life, fostering creativity, self-expression, and holistic development. DMI College of Engineering encourages student participation in cultural, literary, and fine arts events, providing a platform to showcase talents, enhance skills, and promote traditional values. Various competitions and programs are organized annually, with outstanding students recognized during College Day celebrations.

- Encourages creativity and self-expression.
- Provides opportunities for students to showcase talents.
- Promotes cultural, traditional, and ethical values.
- Enhances personality development and networking.
- Recognizes and honours outstanding performers.

Figure 9.20: Sample Program for Cultural Activities

Sports Facilities and Activities

The college has a dedicated Physical Education Department led by a Physical Education Director, responsible for organizing sports and recreational activities. The institution provides excellent facilities for major sports and indoor and outdoor recreational activities.

A well-equipped sports facility is available, offering opportunities for students to participate in various games and sports. The available options include:

- Indoor games: Shuttle, Table Tennis, Chess, Carom.
- Outdoor sports: Cricket, Athletics, Volleyball, Basketball.

The college actively promotes a sports culture, encouraging students to engage in physical activities for overall well-being and fitness by Annual Sports Day.

Table 9.11: Available Sports Facilities

S. No	Description	Details
1.	Total area of the Play Ground	1132560 Sq. ft.

2.	Outdoor Games available	1. Ball Badminton court-1nos. 2. Basket Ball court-2nos. 3. Kabaddi Court-1nos. 4. Kho-Kho Court -1no. 5. Cricket Net's – 2 no 6. Football Field – 1 no 7. Athletics Track – 200 m 8. Throw ball – 1 no 9. Volley Ball court with Fencing-2nos.
3.	Indoor Games available	1. Badminton court -2nos. 2. Table Tennis – 1 no 3. Carom–1nos. 4. Chess–3nos.
4.	Details of Gymnasium (Fitness Equipments)	1. Four station multi gym-2 2. Weight rod-4 3. Rubber Dumb Bells-20 kgs 4. Flat Bench Press-1 5. Rubber plates-20 kgs
5.	Details of Outdoor Fitness Equipments	Parallel bar-1 No

Table.9.12: Achievements in Sports

S.NO	EVENT TITLE	POSITION	EVENT PLACE	DURATION
			2023 – 2024	
1	Football	First place	P.B college of engineering	19/10/2023
2	Volleyball	Fourth place	Chennai institute of technology	05/10/2023
3	Cricket	Participated	Sri Venkateswara College of Engineering	04/10/2023
4	Basketball	Participated	Rajalakshmi College of Engineering	04/10/2023
5	Badminton Men	Participated	Sri Venkateswara College of Engineering	11/10/2023
6	Chess Men	Participated	Saveetha Engineering College	23/09/2023
7	Kabaddi	Participated	St. Joseph College of Engineering	17/10/2023
8	Table Tennis	Participated	Rajalakshmi Institute of Technology	08/10/2023
9	Badminton Women	Participated	Sri Venkateswara College of Engineering	31/10/2023
10	Chess Women	Participated	Saveetha College of Engineering	23/09/2023
11	Athletics Men & Women	First, Second and Third place	Saveetha College of Engineering	29/11/2022
12	Volleyball Women	Participated	Kings College of Engineering	26/10/2023
13	Kho-Kho	Participated	Saveetha college of Engineering	31/10/2023
14	Half Marathon	Second place	Thiruvallur District	28/08/2023
15	10km Marathon	Third place	Chennai District	15/09/2023
16	Football	Participated	Saveetha University	05/03/2024
17	Basketball	Participated	Sri Venkateswara College of Engineering	27/02/2024
18	Football	Fourth place	Sri Venkateswara College of Engineering	27/02/2024
19	Chess	Participated	Peri Engineering College	28/08/2023
20	Football	Participated	Adhiyamaan College of Engineering	03/12/2022
			2022 – 2023	

1	Football	Fourth place	Saveetha College of Engineering	21/11/2022
2	Volleyball	Fourth place	Chennai Institute of Technology	24/11/2022
3	Cricket	Participated	Sri Venkateswara College of Engineering	27/10/2022
4	Basketball	Participated	Rajalakshmi College of Engineering	23/09/2022
5	Badminton Men	Fourth place	Sri Venkateswara College of Engineering	18/11/2022
6	Chess Men	Participated	Saveetha Engineering College	08/08/2022
7	Kabaddi	Fourth place	St. Joseph College of Engineering	15/10/2022
8	Table Tennis	Participated	Rajalakshmi Institute of Technology	10/09/2022
9	Badminton Women	Participated	Sri Venkateswara College of Engineering	08/11/2022
10	Chess Women	Participated	Saveetha College of Engineering	23/09/2022
11	Athletics Men & Women	Second and Third place	Saveetha College of Engineering	23/10/2023
12	Karate	First place	Kanyakumari District	04/12/2022
13	Cricket	Participated	Sathyabama university	17/04/2023
14	Basketball	Participated	Sri Venkateswara College of Engineering	24/02/2022
15	Volleyball	Second place	Saveetha School Mgt	16/02/2023
2021 – 2022				
1	Football	Participated	Saveetha College of Engineering	19/11/2021
2	Volleyball	Third place	Chennai Institute of Technology	24/11/2021
3	Cricket	Participated	Sri Venkateswara College of Engineering	05/12/2021
4	Basketball	Participated	Rajalakshmi College of Engineering	10/09/2021
5	Badminton Men	Fourth place	Sri Venkateswara College of Engineering	23/01/2021
6	Chess Men	Participated	Rajalakshmi Institute of Technology	08/09/2021
7	Kabaddi	Third place	St. Joseph College of Engineering	13/11/2021
8	Table Tennis	Participated	Rajalakshmi Institute of Technology	11/10/2021
9	Badminton Women	Participated	Sri Venkateswara College of Engineering	08/11/2021
10	Chess Women	Participated	Saveetha College of Engineering	16/10/2021
11	Athletics Men & Women	Second and Third place	Saveetha College of Engineering	29/11/2021
12	Athletics	Second Place	Kancheepuram District	14/04/2022
13	Athletics	Second Place	Thanjavur District	09/10/2021
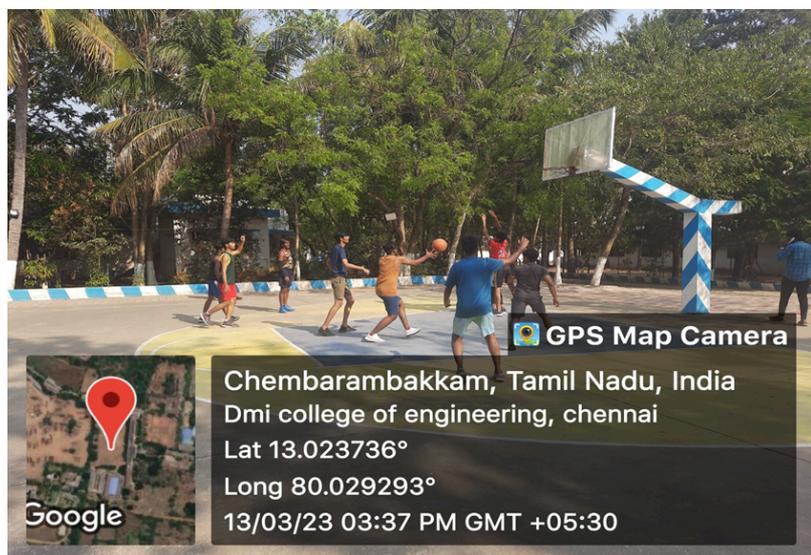
Figure 9.21: Sample Photo for Sports Activites

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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 :
VISION OF THE INSTITUTE To become an internationally reputed institution by producing competent professionals with exemplary skills and ethical values.

Mission :
MISSION OF THE INSTITUTE **IM 1:** To achieve higher level technological and professional excellence. **IM 2:** To impart quality and holistic professional education. **IM 3:** To train professionals to be entrepreneurs and employment generators.

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

Institute Marks : 10.00

DMI College of Engineering consists of the following Academic and Administrative Bodies
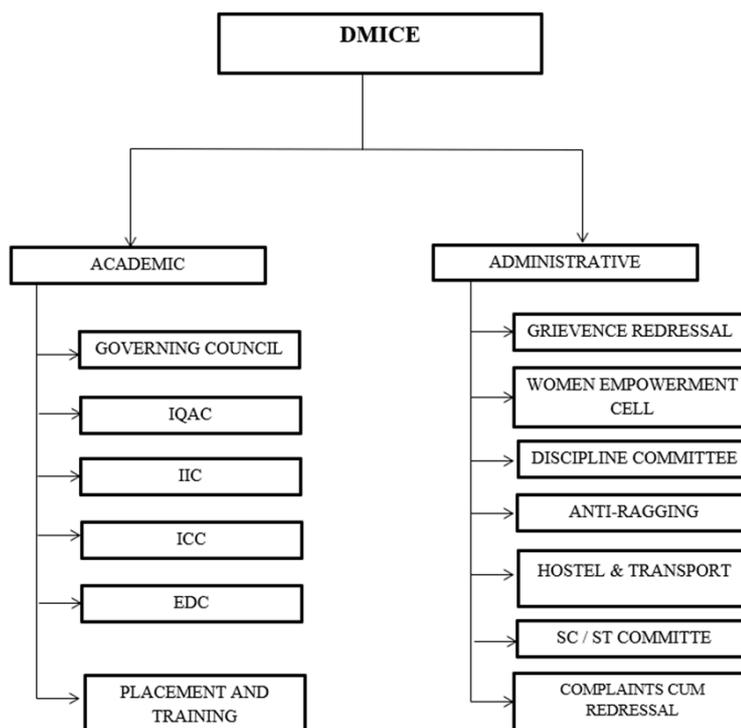
Figure 10.1: Academic and Administrative Body in DMICE

ACADEMIC BODIES

GOVERNING COUNCIL

The governing Council has been constituted as per the guidelines of AICTE and Anna University to guide and advise the management in running the Engineering College efficiently. This council consists of Educationalists and Industrialists Administrators.

Roles and Responsibilities of Governing Council

- To monitor the academic and other related activities of the College.
- To consider the recommendations of the Staff Selection Committee
- To consider the important communications and policy decisions received from the University, Government, AICTE, etc.
- To monitor the students and faculty development programmes
- To consider the recommendations of the Planning and Monitoring Board of the college for implementation.
- To pass the annual budget of the college.

Table 10.1: Governing Council Members

S. No.	Name of the Member	Position in GC	Category
1	Rev. Fr. Dr. J. E. Arulraj Founder (DMI Foundations)	Chairman	Members of the Management
2	Rev. Sr. S. Gnanaselvam, Managing Trustee	Member	
3	Rev. Sr. M. K. Teresa, Correspondent	Member	
4	Rev. Sr. S. Xavier Selvi In-charge of Higher Education DFT Group of Institutions	Member	
5	Rev. Sr. Dr. K. Sandhiyagu Mary, Correspondent, DFT Group of Institutions	Member	
6	Dr. M. A. Leo Vijilious Director	Member	
7	Dr. L. M. Merlin Livingston Director	Member	

8	Dr. V. L. Raja Controller of Examination Department of Mechanical Engineering	Member	Teachers of the College
9	Dr. K. Kalai Kumar Associate Professor Department of AI&DS	Member	
10	Dr. V. Subbiah Bharathi Vice Chancellor, St. Joseph University	Member	Educationist – Management Nominee
11	Mr. Ganesh Thirunavukkarasu, Regional Head-Academic Alliances, Tata Consultancy Services, Chennai	Member	Industrialist – Management Nominee
12	Regional Officer Southern Regional Office, AICTE, Chennai	Member	AICTE (Southern Region) Nominee
13	Dr. S. Letitia, Professor, Department of ECE, Thanthai Periyar Government Institute of Technology, Vellore.	Member	State Government Nominee
14	Dr. M. A. Bhagyaveni, Professor, Department of ECE, College of Engineering, Guindy Anna University, Chennai	Member	University Nominee
15	Dr. Sujatha Jamuna Anand	Member Secretary	Principal of the College

*Frequency of Meeting - Every year in May

Minutes of Meeting for Governance Council

The inaugural meeting of the Governance Council took place in the Chairmans office. The Chairman welcomed all members, introduced them to one another, and emphasized the significance of this first gathering. He informed the members that the Management has provided excellent infrastructural facilities to the College, marking a strong beginning. He acknowledged and appreciated the dedicated efforts of the Faculty and Principal for achieving commendable academic results. He expressed his hope that the Institute would continue to uphold its standing and strive for further improvement in its outcomes.

Chairman and Members Present:

Figure 10.2: Attendance for Governance Council Meeting

INTERNAL QUALITY ASSURANCE CELL (IQAC)

- Promoting a learner-centric environment that supports quality education and helps faculty adopt the necessary knowledge and technology for a participatory teaching and learning process.
- Organizing feedback collection from students, parents, and other stakeholders regarding quality-related institutional processes.
- Documenting various programs and activities that lead to quality enhancement.
- Serving as the institutions central agency for coordinating quality-related activities, including the adoption and dissemination of best practices, and fostering a culture of quality within the institution.
- Preparing the Annual Quality Assurance Report (AQAR) according to NAAC guidelines and parameters for submission to NAAC.
- Disseminating information on various quality parameters to all stakeholders.
- Organizing inter and intra-institutional workshops and seminars on quality-related themes and promoting quality circles.

Table 10.2: Internal Quality Assurance Cell Members

Sl. No	Category	Name	Designation
1	Chair Person	Dr. Sujatha Jamuna Anand	Principal
2	Management	Rev. Sr. M. K. Teresa	Correspondent
3	Coordinator	Dr. R. Senthil Rama	Associate Professor & Head / EEE
4	Members	Mrs. S. P. Shally	Assistant Professor / ECE
5	Members	Mrs. S. Jenitha Karthiga	Assistant Professor / MBA
6	Members	Mr. T. Tamil Kumaran	Assistant Professor / Mechanical
7	Members	Mrs. P. Swarna Lakshmi	Assistant Professor / CSE
8	Members	Mrs. P. M. Steffy Teena Thushara	Assistant Professor / Civil
9	Members	Mrs. J. Jenifer	Assistant Professor / IT
10	Members	Mrs. M. Jasmin Ananthi	Assistant Professor / EEE
11	Members	Mrs. K. Tharani	Assistant Professor / S&H
12	Local Society Nominee	Ms. G. Viji Dali	Official of NGO
14	Alumni Nominee	Mr. Pravin Robert Simon	Deputy General Manager, Randstad India Pvt Ltd
15	Employers/Industrialist/Stakeholders Nominee	Mr. Rajasekar	Employer
16	Student Nominee	Mr. Magesh Krishna	Student (III CSE)

*Frequency of Meeting - Every year in the month of May and December.

INSTITUTION INNOVATION COUNCIL

The Institution's Innovation Council (IIC) fosters a culture of innovation and entrepreneurship within the institution. It actively organizes workshops, hackathons, and mentorship programs to nurture creative ideas among students and faculty. The council collaborates with industry and government bodies to facilitate startup initiatives and research commercialization. Regular activities are conducted as per MoE Innovation Cell (MIC) guidelines to strengthen the innovation ecosystem. IIC aims to develop a vibrant entrepreneurial mindset, aligning with national innovation and startup policies.

Table 10.3: Institution Innovation Council

Sl. No	Designation	Name of the Faculty
1	President	Dr. A. Amala Mithin Minther Singh, Dean (Research)
2	Vice President	Dr. K. G. Revathi/Dean (Student Affairs)
3	Convenor	Dr. G. Tamilkumaran/Assistant Professor/MECH
4	Innovation Activity Coordinator	Dr. B. Ram Priya/Professor/EEE
5	Start-up Activity Coordinator	Dr. Shankar /Assistant Professor & HOD/MBA
6	Internship Coordinator	Dr. T. D. Sairam/Dean (Placement)/DMICE
7	IPR Activity Coordinator	Dr. W. Agitha/Assistant Professor/ CSE
8	Social Media Coordinator	Dr. V. Anbarasan/Assistant Professor/S&H
9	ARIIA Coordinator	Dr. T. Selvin Retna Raj/Assistant Professor/ECE
10	NIRF Coordinator	Dr. L. Jimson/Assistant Professor & HOD/AIML

11	Members	Dr. N. Nirmal Singh, Dean (Academics)
		Dr. R. Denslin Brabin, Professor & HOD/CSE
		Dr. R. Senthil Rama Professor & HOD/EEE
		Dr. R. Balamurugan, Associate Professor & HOD/IT
		Dr. Y. Raghu, Associate Professor & HOD/S&H
		Dr. Venmathi Professor & HOD/ECE
		Dr. K. Kalai Kumar Associate Professor & HOD/AI&DS

*Frequency of Meeting – Occurring Every Four Months once in a Year

INTERNAL COMPLIANCE CELL

The Internal Compliance Cell (ICC) ensures adherence to institutional policies, regulatory guidelines, and accreditation requirements. It monitors academic and administrative compliance, conducts internal audits, and addresses any deviations. The ICC facilitates regular training sessions to enhance awareness among faculty, staff, and students. It also acts as a bridge between various departments and regulatory bodies to ensure seamless compliance. Through continuous evaluation and reporting, the ICC strengthens institutional accountability and governance.

Table 10.4: Internal Compliance Cell Members

S. No	Name of Faculty	Category	Designation
1	Dr. Sujatha Jamuna Anand	Principal	Chairman
2	Dr. S. Chitradevi	Professor	Member
3	Dr. L. Jimson	Assistant Professor	Member
4	Mrs. V. Nageswari	Assistant Professor	Member
5	Mrs. J. Delphin Cinthiya	Assistant Professor	Member
6	Dr. V. Anbarasan	Assistant Professor	Member
7	Ms. A. Nadera Banu	III–AI&DS	Student representative
8	Mr. RanjithSahoo	III–Mech	Student representative
9	Rev. Fr. Williams	NGO	Ombudsman

*Frequency of Meeting – Occurring Bi-Monthly in a Year

ENTREPRENEURSHIP DEVELOPMENT CELL

The Entrepreneurship Development Cell (EDC) fosters entrepreneurial skills and innovation among students by providing guidance, mentorship, and resources. It organizes workshops, seminars, and training programs to promote start-ups and business ventures. The cell collaborates with industry experts and funding agencies to support aspiring entrepreneurs. Various initiatives are undertaken to create a dynamic entrepreneurial ecosystem within the institution. EDC aims to nurture creativity, leadership, and self-reliance among students.

Table 10.5: Entrepreneurship Development Cell Members

Sl. No	Name of the Faculty	Department	Designation
1	Dr. Uma Maheshwari	ECE	Associate Professor
2	Mrs. Mary Varsha J	AI&DS	Assistant Professor
3	Mrs. Abisha G	CSE (AI&ML)	Assistant Professor
4	Mr. Rajthilak D	CSE	Assistant Professor
5	Mrs. Jasmine Ananthi M	EEE	Assistant Professor
6	Dr. Selvin Rethna Raj T	ECE	Assistant Professor
7	Mrs. Jenifer J	IT	Assistant Professor
8	Ms. Kayathri S	MBA	Assistant Professor

| 9 | Mr. Saravanan P | MECH | Assistant Professor |

*Frequency of Meeting – At least Two Times in the Year and as the case may be.

PLACEMENT AND TRAINING CELL

The Training and Placement Cell at DMI is dedicated to enhancing student employability by providing comprehensive training and career guidance. It actively collaborates with leading industries to facilitate campus placements, internships, and skill development programs. The cell conducts workshops, mock interviews, and technical training to prepare students for competitive job markets. Through continuous industry interaction, it ensures excellent placement opportunities for students.

Table 10.6: Placement and Training Cell

Sl. No	Name	Department/Designation	Responsibility
1	Dr. T. D. Sairam	ECE/Professor	Dean Training & Placement
2	Mrs. R. Lavanya	CSE/Assistant Professor	Member
3	Mrs. J. Jenifer	IT/Assistant Professor	Member
4	Dr. Selvin Ratna Raj	ECE/Assistant Professor	Member
5	Mr. S. O. Kaniraj	MECH/Assistant Professor	Member
6	Mrs. M. Jasmine Ananthi	EEE/Assistant Professor	Member
7	Ms. S. Jenitha Karthiga	MBA/Assistant Professor	Member

*Frequency of Meeting – Twice in a Year.

ADMINISTRATIVE BODIES

The institution has a well-defined administrative structure that ensures smooth functioning and efficient management. It oversees key areas such as academics, student services, infrastructure, and faculty development, fostering a productive learning environment

Table 10.7: Administrative and Organizational Structure

Sl. No.	Name	Designation	Responsibility
1	Rev. Fr. Dr. J. E. Arulraj Founder (DMI Foundations)	Chairman	Administration
2	Rev. Sr. S. Gnanaselvam	Member	Administration, Managing Trustee
3	Rev. Sr. M. K. Teresa	Member	Administration, Correspondent
4	Rev. Sr. S. Xavier Selvi	Member	Administration, In-charge of Higher Education, DFT Group of Institutions
5	Rev. Sr. Dr. K. Sandhiyagu Mary	Member	Administration, Correspondent, DFT Group of Institutions
6	Dr. N. Nirmal Singh	Professor & ECE Dean	Dean Academics
7	Dr. K.G. Revathi	Professor & ECE Dean	Dean Student Affairs
8	Dr. A. Amala Mithin Minther Singh	Professor & HOD / Mech., Dean	Dean R & D Departmental Academic Work
9	Dr. T. D. Sai Ram	Professor & ECE	Dean Training and Placement
10	Dr. D. R. Denslin Brabin	Professor & HoD / CSE	Dean CSE Departmental Academic Work

11	Dr. R. Senthil Rama	Associate Professor & HOD, EEE	IQAC Coordinator Departmental Academic Work
12	Dr. A. R. Venmathi	Professor & HOD, ECE.	Departmental Academic Work
13	Dr. K. Kalai Kumar	Associate Professor & HOD, IT.	Departmental Academic Work
14	Dr. L. Jimson	Assistant Professor & HOD / AI&ML	Departmental Academic Work, NIRF coordinator
15	Mr. G. Aruna Giri	Assistant Professor, MBA Co-Ordinator	Departmental Academic Work
16	Dr. Y. Raghu	Professor & HOD, S&H	Departmental Academic Work
17	Mrs. V. Vishnu Priya	Professor & HOD, Mathematics	Departmental Academic Work
18	Mrs. S. Chitra Devi	Professor & HOD, Chemistry.	Departmental Academic Work
19	Mr. K. S. Kamaraj	Assistant Professor	NSS / RED CROSS Coordinator
20	Mr. Anto Pathrose	Warden	Boys Hostel Warden
21	Miss. A. Anitha	Warden	Girls Hostel Warden
22	Mr. M. Prakash	Librarian	Library
23	Dr. Uma Maheshwari	Assistant Professor	Entrepreneur Development Cell
24	Mr. I. Kumar	Assistant Professor	Physical Director

GRIEVANCE REDRESSAL COMMITTEE CELL

An exclusive department, led by the Principal and supported by a team of faculty members, is dedicated to addressing student grievances.

- Grievances of students related to academics and personal grievances of students within campus and hostel may be addressed to the committee.
- The tenure of the members shall be two years.
- The quorum for the meeting shall be three including chairperson.
- The committee shall follow the principles of natural justice while considering the grievances of students.
- The committee shall send the report and recommendations to the Management within a period of 15 days of receiving the complaint.
- The following list of members constitutes the Women grievance redressal & POSH committee.

Table 10.8: Grievance Redressal Committee Members

S. No	Name of Faculty	Category	Designation
1	Dr. Sujatha Jamuna Anand	Principal	Chairman
2	Dr. S. Chitradevi	Professor	Member
3	Dr. L. Jimson	Assistant Professor	Member
4	Mrs. V. Nageswari	Assistant Professor	Member
5	Mrs. J. Delphin Cinthiya	Assistant Professor	Member
6	Dr. V. Anbarasan	Assistant Professor	Member
7	Ms. A. Nadera Banu	III–AI&DS	Student representative
8	Mr. RanjithSahoo	III–Mech	Student representative
9	Rev. Fr. Williams	NGO	Ombudsman

*Frequency of Meeting – Bi-Monthly in a Year.

WOMEN EMPOWERMENT CELL

The Women Empowerment Cell has been active in the college since 2005, dedicated to empowering female students, enhancing understanding of issues related to women, and ensuring a safe campus for female students and faculty members. The cell aims to address womens issues and problems by creating awareness of their rights and duties. It provides a platform for women to share their experiences and views on their societal status and suggest ways to improve and empower themselves. Focused on the intellectual and social upliftment of female students, the cell facilitates women's empowerment through guest lectures, seminars, awareness programs, and other welfare activities. The responsibilities of the Women Empowerment Cell include adhering to the mandatory guidelines and directions of Anna University, Chennai, regarding security arrangements for female students and staff at our institution.

Objectives

- To promote a culture of respect and equality for the female gender.
- To conduct seminars, and workshops to impart knowledge of opportunities and tools available and train the women.
- To create a conducive counselling environment for the female gender to share their problems.

Initiatives

- Educating the teaching and non-teaching staff and students towards gender sensitization.
- Counselling services.
- Provision of opportunities and programs for the female gender to be mentally and emotionally empowered to promote their growth as individuals in their own right.
- Conducting various competitions to encourage their artistic talents for creative thinking
- Gender Audit.

Table 10.9: Women Empowerment Cell Members

Sl. No	Name	Category/Role in the Committee	Designation
1	Dr. Sujatha Jamuna Anand	Ex-Officio Member	Principal
2	Rev. Sr. M. K. Teresa	Management	Correspondent
3	Dr. Immaculate Geetha	Member Secretary	Professor, S & H
4	Dr. K.G. Revathi	Member	Dean- Student Affairs
5	Dr. R. Senthil Rama	Member	HOD/EEE

*Frequency of Meeting – Twice in a Year.

DISCIPLINE COMMITTEE

Functions of Discipline and Welfare Committee

The main functions of the Discipline and Welfare Committee are as follows,

- Indiscipline in the College campus and hostel premises.
- Complaints of ragging.
- Malpractices in the Examinations
- Complaints of eve-teasing and sexual harassment.
- Any other activity that may damage the discipline and harmony of the College.
- To visit periodically the campus of the College, including the hostels to recommend improvements in amenities and maintenance of students and facilities.

Table 10.10: Discipline Committee Members

S. No	Name	Category/Role in the Committee	Designation
1	Dr. Nirmal Singh N	Member	Dean-Academics
2	Dr. Denslin Brabin D. R	Member	HoD-CSE
3	Dr. Sujatha Jamuna Anand	Ex-Office Member	Principal
4	Dr. Kavitha Dhas M	Member	Senior Faculty
5	Dr. Anbarasan V	Member	Student Counsellor (Staff)
6	Dr. Senthil Rama R	Member	Lady Faculty Member
7	Ms. Anitha A	Member	Warden/Deputy Warden of Girls Hostel
8	Mr. Anto Pathrose	Member	Warden/Deputy Warden of Boys Hostel

*Frequency of Meeting – Bi-Monthly in a Year.

ANTI-RAGGING COMMITTEE

- Primary responsibility for curbing ragging.
- Ragging adversely impacts the standards of higher education.
- Enrolment in academic pursuits or campus life should not immunize any adult citizen from the penal provisions of the laws of the land.
- Behavioural patterns among students, particularly potential raggers, need to be measured against ragging must deter its recurrance.

Table 10.11: Anti-Ragging Committee Members

Sl. No	Name	Category	Present Designation / Occupation
1	Dr. Sujatha Jamuna Anand	Chairman	Principal
2	Mr. Jayachandran V	Member	Police Department
3	Ms. Thasildhar G	Member	Revenue/ Taluk /Civil Officer
4	Ms. Viji Dali G	Member	Official of NGO
5	Mr. Christopher Ravi S	Member	Representatives of Parents
6	Mrs. Johnsirani R	Member	Representatives of Parents
7	Mr. Freedon Demi C	Member	Representatives of Students
8	Ms. Arudevi C	Member	Representatives of Students
9	Mr. Kumar I	Member	Representatives of Non-Teaching

*Frequency of Meeting – Bi-Monthly in a Year.

HOSTEL AND TRANSPORT COMMITTEE

The Hostel and Transport Committee at DMICE ensures a safe, comfortable, and efficient living and commuting experience for students. The hostel facilities provide a well-maintained, secure, and hygienic environment, fostering academic and personal growth. Round-the-clock security, Wi-Fi, medical assistance, and nutritious meals contribute to a homely atmosphere. The committee regularly inspects hostel amenities, addressing student concerns promptly.

For transportation, the committee oversees a fleet of well-maintained buses covering key locations, ensuring punctual and safe travel. Strict adherence to safety protocols and periodic vehicle maintenance enhances reliability. The transport services cater to both students and faculty, facilitating smooth academic operations. Regular feedback and route optimization improve efficiency. The committee remains committed to continuous enhancement, aligning with NBA quality standards.

Table 10.12: Hostel Committee Members

S. No	Name	Category	Designation
1	Mr. Anto Pathrose	Member	Boys Hostel Warden
2	Dr. N. Nirmal Singh	Internal Member	Dean Academics
3	Mr. D. Jeba Kingsley	Internal Member	Assistant Professor
3	Miss. A. Anitha	Member	Girls Hostel Warden
4	Mrs. Stella Mary	Internal Member	Assistant Professor
5	Mrs. J. Mary Varsha	Internal Member	Assistant Professor

SC/ST COMMITTEE

The SC/ST Committee ensures inclusivity and equal opportunities for students from Scheduled Castes (SC) and Scheduled Tribes (ST). It addresses grievances, promotes awareness of government policies, and organizes support programs. The committee fosters a discrimination-free campus environment. Regular meetings and initiatives enhance student welfare and academic growth.

Table 10.13: SC/ST Committee

Sl. No	Name	Category	Designation
1	Mr. K. S. Kamaraj	Member	Assistant Professor
2	Ms. Abisha	Member	Student

3	Mr. Victor	Member	Student
4	Mr. Krishnamoorthy N	Member	Assistant Professor
5	Dr. Anbarasan V	Member	Assistant Professor

COMPLAINTS CUM REDRESSAL COMMITTEE

The Complaints cum Redressal Committee ensures a fair and transparent mechanism for addressing grievances within the institution. It handles complaints related to academic, administrative, and student welfare issues, ensuring timely resolution. The committee follows a structured process for investigating and addressing concerns in accordance with institutional policies. Regular meetings are conducted to review grievances and suggest improvements. The committee promotes a harmonious and student-friendly environment by upholding justice and accountability.

Table 10.14: Complaints Cum Redressal Committee Members

Sl. No	Category	Name	Designation
1	Chairperson	Dr. Sujata	Principal
2	Member	Dr. K. G. Revathi	Dean / Student Affairs
3	Member	Mrs. M. Maheswari	Associate Professor
4	Member	Dr. K. Kalai Kumar	Associate Professor
5	Student Representative	Mr. Fedric	IV Year / CSE
6	Student Representative	Ms. Mahalakshmi	IV Year / ECE

*Frequency of Meeting – Every Month in a Year.

SERVICE RULES

1. PREAMBLE:

1.1. These rules shall be called the DMI College of Engineering, Chennai "Service, Conduct and Leave Rules" (Governing the conditions of service of Teaching and Non-Teaching staff)

1.2. The rules shall come into force from immediate effect.

2. DEFINITION

2.1. College

College means DMI College of Engineering Chennai, established and managed by Society of Daughters of Mary Immaculate & Collaborators.

2.2. Management

Management means the Society of Daughters of Mary Immaculate & Collaborators represented by the Chairman and President.

2.3. Governing Body

Governing Body means the Governing Body of DMI College of Engineering Chennai which has been constituted in accordance with the provisions laid down in this respect by All India Council of Technical Education.

2.4. University

University means Anna University, Chennai - 600025.

2.5. Principal

Principal of the college is the head of the institution authorized by the Management to discharge the duties and responsibilities of the Principal.

2.6. Employee

Employee includes all employees, without exception performing whatsoever function assigned to him/her and is in the whole or part time employment of the College, whether such employment is probationary, temporary, and permanent.

2.7. Teaching Staff

The teaching staff comprise of the following categories.

- Principal
- Deans
- Head of the Department
- Professor
- Associate Professor
- Assistant Professor
- Any other category of post declared so by the Executive Body.

2.8. Non-Teaching Staff

Non - Teaching staff means those categories of staff, that are not categorized under the teaching staff shall be deemed to be non-teaching staff.

2.9. Competent Authority

(a) Chairman/President of the Executive Body in case of Principal

(b) Principal in case of other employees.

2.10. Duty

An employee is considered to be on "duty" for the purpose of service benefits:

- When the employee is discharging the duties of the post to which he/she is appointed or is undergoing training prescribed for the post.
- When the employee is absent from duty on authorized holidays or permitted vacation, or when availing of leave other than extraordinary leave sanctioned by the competent authority.
- When the employee is attending conferences, seminars, or workshops duly permitted by the competent authority.
- When the employee is attending to the work assigned to him/her by the competent authority within the institution.

2.11. Leave

Leave means leave, granted by the appropriate authority to an employee, to which he/she is eligible.

2.12. Pay

Pay means Basic Pay in the time scale or Basic Pay with Dearness Allowance and other Allowances as the case may be.

2.13. Year

Year means Calendar Year/Financial Year/Academic Year as the case may be.

3. APPOINTMENT SELECTION AND PROBATION

3.1. Appointments

The President/ Principal is the competent authority to appoint any employee based on the recommendations of the selection board. The appointment orders shall be issued by the Management.

3.2. Qualifications

The qualifications, age, experience etc., shall be as per AICTE / UGC norms in respect of teaching and non-teaching staff.

3.3. General Procedure of Recruitment (Appointment Rules)

3.3.1. All posts at the Institute shall normally and, as far as possible, be filled by advertisement; but the Governing Body shall have the exclusive power to decide, either on its own or on the recommendations of the Principal, that a particular post be filled by invitation or by promotion from amongst the members of the staff of the College.

All appointments on the staff of the College shall be made only by the Governing Body of the College, through its Chairman or authorized by the Governing Body.

The manpower requirement shall be ascertained based on the desirable norms prescribed by AICTE/University or the appropriate authority from time to time. Additional posts may also be created, as required, for the extension of specific projects and or research and development activities.

3.3.2 The Selection Committee shall include

    a. **In the case of recruitment of the Head of the College**

- The Chairman/ President
- The Correspondent
- An Educationist
- The Principal from other Institutions

    b. **In the case of recruitment of teaching faculty**

- The Correspondent
- The Principal
- The Head of the Departments of the college,
- A Subject expert/Industrial Expert.

    c. **In the case of recruitment of clerical staff/lab assistants**

- The Correspondent
- The Principal
- The Head of the Departments of the college.

    d. **In case of recruitment of Maintenance Staff**

- The Correspondent
- The Principal

3.3.3 Selection Procedures

- The following procedure is followed in the selection of faculty members in various departments.
- Heads of Departments (HODs) forward the staff requirement details to the Principal, considering additional workload or staff leaving the institution.
- After consolidating the requirements from various departments, the Principal, with the concurrence of the Correspondent, arranges for publishing advertisements.
- The applications received from candidates are scrutinized by the Heads of Departments. Applicants who meet the qualifications and experience requirements are called for an interview.
- The selection process consists of three stages.
- Screening test.
- Personal interview on technical and general aspects by the Staff Selection Committee
- Final interview by the Principal and Correspondent.
- Appointment orders are issued to the selected candidates after approval by the Governing Council (GC) and receipt of their joining letters.

3.3.4 Conditions of Appointment

- Staff members are entitled to leave as per the institutions rules. They will be subject to the institutions regulations, including those on conduct, discipline, administrative orders, and other directives from DMI College of Engineering that may come into force from time to time.
- Staff members are required to bring their certificates supporting education, professional qualifications, experience, date of birth, and a relieving letter from their immediate past employer, along with one set of copies and one passport-size photograph for records at the time of reporting for verification.

- Staff members are expected to work with high standards, initiative, efficiency, and economy. They will diligently and faithfully apply themselves to the work assigned to them and follow the directions given by their superiors.
- Staff members will be responsible for the safekeeping and return of all college property in their use, custody, or charge, in good condition. The college reserves the right to assess and recover damages for any lost property.
- The general details of duties and responsibilities for staff members will be provided separately by the Principal or Correspondent as needed.
- Staff appointments are contingent on the staff members being declared and remaining medically fit. If they are found medically unfit to continue, they will lose their job. Staff members are expected to serve a minimum of two years; however, unsatisfactory performance may result in termination with one months notice.
- Staff members wishing to leave the institution must provide three months advance notice before the end of the academic year. Acceptance of three months salary in lieu of notice is at the managements discretion. They are expected not to leave during the middle of the academic year.
- Staff members will devote their entire time to their assigned work and will not undertake any other work or business, whether for honorarium or remuneration. Any contravention may result in termination.
- In addition to teaching, staff members are required to actively participate in the colleges development processes, including seminars, workshops, research, publications, fostering the Institute-Industry Interface, and other academic activities. They should also take on additional responsibilities assigned by the Principal, Correspondent, and Chairman as needed.
- Staff members shall not disclose any information regarding the institutions activities, official matters, or any other information without specific authorization from the management.
- If a staff member is found smoking or under the influence of alcohol on campus, the management reserves the right to take appropriate action, and any such action taken shall bind the employee.
- Every employee is expected to conduct themselves under the law of the land. In case of any issue arising out of a violation of such law, the institute will not be responsible in any manner.
- As a token of their acceptance, staff members must sign the duplicate copy of the appointment letter and return it to the Management.

3.4. Probation and Confirmation

- Staff members will be placed under probation for one year from the date of joining. During the probation period, if their attendance, conduct, or work progress is not satisfactory, the employees service may be terminated. The employees appointment will be confirmed after the successful completion of the one-year probation period.
- If an employee wishes to be relieved during the probation period, they must provide three months notice in writing or three months salary, including all allowances, unless the Management grants a relaxation under special circumstances.

3.5. Termination of Service

- If an employee intends to resign after confirmation, they must provide three months notice in writing or three months salary, including all allowances.
- The Management has the power to relax the notice period or salary payment in special circumstances.

3.6. Retirement

Every employee of the College shall retire upon attaining the age of superannuation as provided by regulatory bodies like the AICTE and as enforced from time to time. Extension or re-employment may be granted according to such provisions, at the discretion of the Governing Body, on terms and conditions it deems fit.

4. PROMOTION POLICY FOR FACULTY MEMBERS

4.1. Experience

Experience refers to teaching experience in AICTE-approved engineering institutions. The experience gained by working in companies or industries may also be considered, either partially or fully, by the Management Committee in exceptional cases. This consideration depends on the quality and relevance of the experience to teaching, the nature of the job, the designation or post held, and the reputation of the company or industry at a national or international level. Experience gained in underperforming or poorly reputed companies or industries shall not be considered for any kind of equivalence.

4.2 Promotion

- Every eligible individual is considered for promotion based on departmental requirements by AICTE norms.
- The Staff Selection Committee, comprising the Correspondent, Principal, Heads of Departments, and expert members, reviews their profiles for promotion.

5. STAFF RESPONSIBILITIES

5.1. General Code of Conduct

- Every employee shall adhere to the following code of conduct, which is not exhaustive.
- All faculty members are expected to comply with the institutions rules as updated from time to time.
- Faculty members are required to attend the staff assembly at 7:45 am daily in the College Reception Hall.
- Faculty should arrive at least 15 minutes before classes begin and remain available for student queries after class hours to the extent possible. They should leave the college premises only after ensuring all students have left the classrooms.
- Faculty must be present in the classroom 5 minutes before the scheduled lecture and should only leave after being relieved by another faculty member.
- Faculty members are encouraged to enhance their knowledge through participation in Faculty Development Programs (FDPs), seminars, workshops, and conferences, subject to obtaining necessary permissions from the Principal/HOD. Staff assignments are subject to management discretion as per regulations in force.
- Faculty members are expected to contribute to scholarly publications such as textbooks and research papers in reputable international or Indian journals/conferences.
- Performance evaluation includes self-development through guiding projects and securing project funding.
- Faculty members must continuously upgrade their academic preparation to effectively meet teaching challenges and requirements, thereby benefiting the student community at large. They are also expected to positively influence student personality development and actively engage in assigned or personally interested extracurricular activities.
- All employees must maintain courteous behavior in their interactions with colleagues, students, and the public.
- Employees are expected to demonstrate ideals of national integration, displaying love and concern without discrimination based on caste, creed, or community. Violation of this principle will result in strict disciplinary action, including suspension or termination.
- Feedback from students, both formal and informal, will be collected and provided to faculty members for continuous improvement.
- English is the designated language for communication in both classrooms and on campus.
- Faculty members must avoid any form of groupism. Engaging in such activities will lead to disciplinary proceedings.
- Consumption or distribution of alcohol, drugs, or any intoxicants, including smoking, is strictly prohibited on college premises.
- Faculty must adhere to a formal dress code daily.
- All faculty are required to attend department assemblies with students in the auditorium.
- Cell phone usage is strictly prohibited during working hours within the campus.
- Faculty members should maintain impartiality and cordiality towards students, avoiding overly familiar relationships that may lead to classroom indiscipline.
- Faculty should obtain prior permission from the HOD/Principal before leaving campus during working hours.

5.2. Conduct in the Department

- Teaching loads will be assigned by the HOD based on the faculty member's expertise.
- Once a subject is assigned to a faculty member, they should prepare the lecture along with a lesson plan.
- The lesson plan and course file must be approved by the HOD/Principal. The course file includes a preface, timetable, lesson plan, previous year university question papers, notes, handouts, OHP sheets, test/exam question papers, and three model answer scripts for each test/exam, along with assignments if applicable.
- The faculty members logbook must be regularly updated and available for inspection by the HOD/Principal.
- In addition to teaching, faculty members should undertake additional responsibilities as assigned by the HOD/Principal in academic, co-curricular, or extracurricular activities.
- Every faculty member must deliver a seminar on some topic at least once each semester to other faculty members.
- Faculty members are responsible for maintaining students attendance records. The roll numbers of absentees should be noted daily in the Master Attendance Register maintained in the department immediately after class/laboratory hours.
- When requesting leave, faculty members must obtain prior approval and ensure suitable alternate arrangements are made for class/lab supervision. In emergencies, the HOD or the next senior faculty member must be informed with proposed alternative arrangements.
- Faculty members must keep all files related to their additional responsibilities updated and be prepared for inspection by the HOD/Principal.

5.3. Classroom Teaching

- Faculty members should aim for 100% results in their subjects and plan accordingly.
- Advance preparation for classes is essential to achieve this goal.
- Ideally, faculty members should recap the previous lecture for the first 5 minutes and effectively utilize the remaining 50 minutes for delivering the lecture.
- Use slides/PPTs for complex diagrams and lengthy derivations.
- Utilize practical examples to illustrate concepts effectively.
- Provide relevant website addresses related to the topic for further reference.
- Introduce a few topics and advanced concepts beyond the syllabus to enrich students learning.
- Refer to additional books beyond textbooks and prepare detailed lecture notes as teaching aids. Notes should not be dictated during class.
- Encourage and positively respond to student questions. If unable to provide an immediate answer, commit to addressing it in the next class.
- Conduct regular short tests and ask questions to assess teaching effectiveness and adapt as needed.
- Analyze test results to identify slower learners and provide additional coaching to improve overall university results.
- Revision and coaching classes are crucial for effective exam preparation.
- Record topics covered in each period in the logbook and have them periodically signed by the HoD.
- The faculty member should take care of academically backward students and pay special attention to their needs in special classes.
- In problem oriented subjects, regular tutorials have to be conducted. The tutorial problems have to be handed over to the students at least one week in advance of actual class.
- The faculty member shall give possible 2-mark questions with answers for each unit.
- The faculty member should make himself/herself available for doubt clearance.
- The faculty member should motivate the students and bring out the creativity/originality in the students.
- The faculty member should regularly visit library and read the latest Journals/Magazines in his/her speciality and keep oneself abreast of the latest advancements.
- Quick reference material should be circulated for all the units before the model examinations.

5.4. Laboratory

- Faculty members must be inside the lab 15 minutes before the start of lab classes.
- The faculty member conducting practicals must personally perform experiments and ensure satisfactory results before assigning them to students.
- Additional experiments should be provided whenever possible to further clarify concepts for students.
- Lab observations and records must be corrected immediately after the class.
- Lab classes should follow this structure: 30 minutes for observation, 90 minutes for conducting experiments, and 30 minutes for result verification and viva.
- The lab manual should be updated by the respective faculty member in accordance with the revised syllabus.

5.5. Test/Exam

- When setting question papers, faculty members should also prepare detailed answers and marking schemes, submitting them to the HOD for approval.
- During invigilation, faculty members should continuously patrol the exam room and avoid prolonged sitting in one place. They must closely monitor to prevent any malpractice during exams.
- If any malpractice is observed, faculty members should promptly inform the University Representative/Chief Superintendent (Class Coordinator and relevant HOD for Internal Assessment Test/Model Examination).
- Test papers must be corrected within three days of the examination date, with marks submitted to the HOD along with any necessary remarks for forwarding to the Principal.
- Faculty members should maintain fairness and impartiality when awarding internal marks.
- Faculty members should not decline university assignments such as investigations, evaluations, and participation in orientation programs.
- Faculty members are expected to be available for university duties or internal duties during vacation periods.

5.6. Student-Faculty Relations

- Faculty members should maintain good control over student behaviour.
- Upon entering the class, faculty members should promptly take attendance. Habitual latecomers should be counselled personally, and if the behaviour persists, directed to meet with the class coordinator/HOD.
- Faculty members should handle student insubordination tactfully.
- While being firm, faculty members should avoid harshness and refrain from using words that may hurt students feelings.

6. PROVIDENT FUND AND OTHER BENEFITS

6.1. Provident Fund

An employee becomes eligible for enrollment into the Provident Fund scheme after completing their probation period, as per the Provident Fund Act.

6.2. Other Benefits

- Fee concessions/scholarships will be provided to employees dependents.
- Employees are eligible for enrollment in the ESI (Employee State Insurance) and Medical Insurance scheme after completing their probation period.
- Staff members can avail of benefits such as free transport and subsidized meals at the College mess.

7. LEAVE RULES

7.1. General Rules

- Every employee is entitled to 12 days of Casual Leave per year.

- Accumulation of leave is not permitted.
- Leave Application: Applications must be submitted on the prescribed form well in advance and approved before leave can be taken. Faculty members should arrange internal adjustments among colleagues to ensure continuous student engagement.
- Leave cannot commence without prior sanction. Mere submission of an application does not authorize leave. Unauthorized leave may result in disciplinary action and penalties.
- Engaging in alternate employment or business for personal gain is prohibited and constitutes an offense.
- Leave requests will not be sanctioned over the phone except in cases of emergencies or sudden illness, which must be promptly regularized in writing upon return.
- All leave applications forwarded to the Principal for approval must include recommendations from the HOD.
- Leave will be granted in accordance with existing leave rules.
- Vacation leave, On Duty leave, or personal leave cannot be availed during the notice period.

7.2. Kinds of Leave

Provisions exist for the following types of leave

7.2.1. Casual Leave (CL)

- Each employee is entitled to 1 day of Casual Leave per month, up to a maximum of 12 days per calendar year.
- Casual Leave cannot be carried forward to the next academic year and lapses thereafter.
- No compensatory leave will be granted if an employee is on leave during an institution-declared holiday.
- Late arrival on three occasions in a month result in a deduction of half a day of Casual Leave.

7.2.2. Restricted Holidays (RH)

- The Institute will declare a list of restricted holidays. Employees may avail themselves of any one day from the total RHs declared in a full academic year.
- Restricted Holidays cannot be accumulated and lapse at the end of the year.

7.2.3. Medical Leave (ML)

- Medical leave may be granted in case of employee sickness (not for dependents).
- A medical certificate from a doctor is required for absences of three days or more.

7.2.4. Leave Without Pay (LWP)

- There is no provision for the grant of Leave Without Pay.
- In exceptional circumstances beyond ones control, LWP may be granted at the discretion of the Director.
- Absence without sanctioned leave is considered indiscipline and does not fall under this category.
- LWP must be sanctioned in advance like any other leave.

7.2.5. Duty Leave / On Duty (OD) Leave

- OD Leave may be granted for activities that bring recognition to the College or are required for University work.
- OD cannot be availed without prior approval from the Principal and does not allow for post facto approval.
- Normally restricted to a maximum of ten days per academic year, but may be extended with competent authority approval.
- Conditions include a written request from the competent authority and acceptance of the paper for presentation.
- Examples include delivering academic lectures, attending University/College assignments during holidays, presenting research papers, or attending Quality Improvement Programs (QIPs) with Principal authorization.
- Other special cases may be considered on merit by Management based on Principals recommendation.
    1. **Maternity Leave (ML)**

- Women employees with more than one year of service are eligible for maternity leave.
- A valid medical certificate from a competent doctor must accompany the leave application.
- Maternity leave can be granted for up to 3 months (for a maximum of two children). One months salary will be paid upon return to duty.

7.2.7. Marriage Leave (MGL)

- Confirmed staff are entitled to one weeks leave (including Saturday and Sunday) if their marriage falls on working days.
- Employees may also receive a marriage gift from management.

7.2.8. Permission (P)

- Emergency permission for one hour in the morning or evening may be granted if notified before working hours.
- A maximum of two such permissions will be granted per month.

10.1.3 Decentralization in working and grievanceredressal mechanism (10)   Institute Marks : 10.00
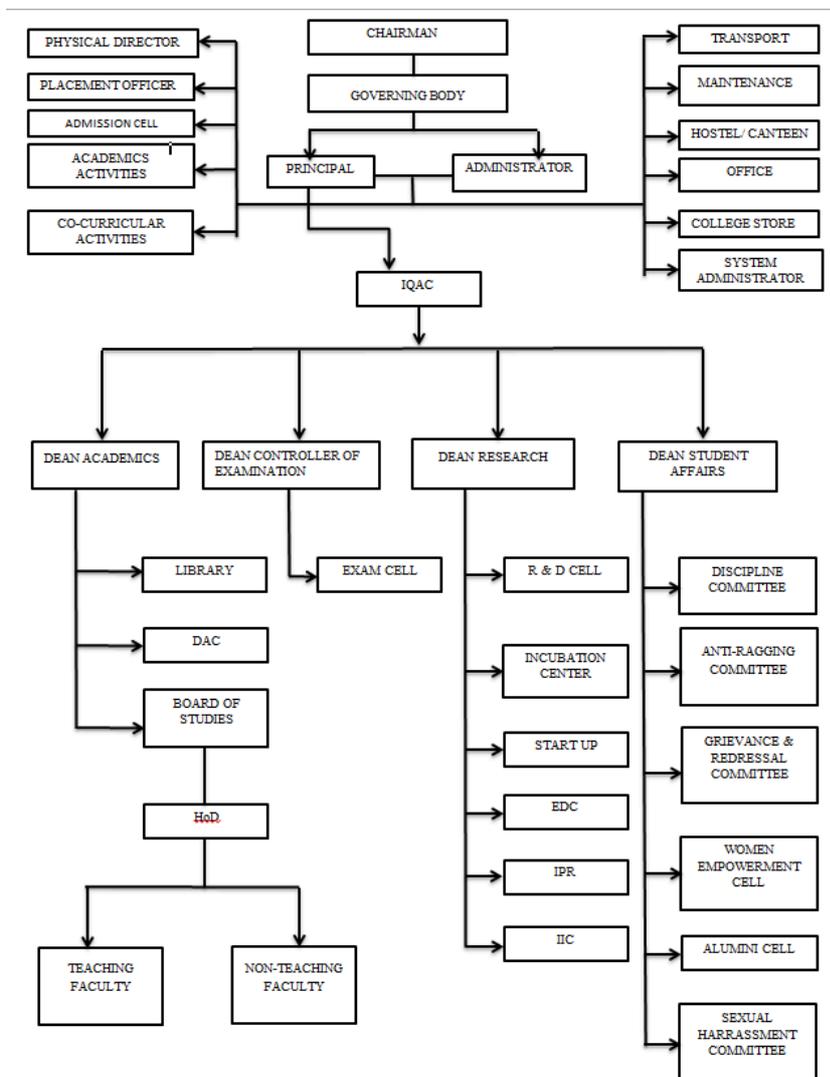
Figure: 10.3 Organization Chart

Decentralization

- The Governing Council meets annually to establish general guidelines.
- The Principal has full academic freedom to manage the institution within these guidelines.
- IQAC monitors and ensures the maintenance of academic quality in the college.
- Deans and Heads of Departments (HODs) are entrusted with authority and responsibility for student and faculty development.
- Weekly meetings between Deans, HODs and the Principal address various institutional, departmental, and student-related matters.
- Developments are discussed, and decisions are made accordingly.
- Each department plans its non-recurring and recurring expenditures, submitting budgets for approval. HODs oversee various purchases through the purchase committee.

PRINCIPAL

The Principal is the academic and administrative head of the institution and all staff report to him directly or indirectly through the Department Head appointed by him. He represents the institution to the outside world and is responsible for elevating the image of the institution by planning, controlling and monitoring every activity of the Institution.

Duties And Responsibilities

- Implementing the Vision & Mission of the Institution
- Identifying long range & short range goals for every year
- Preparing a road map for achieving the goals
- Planning & implementing Image Building of the Institution
- Developing Infrastructure as per the requirements of AICTE, Anna University and NBA
- Consolidating annual budget proposals received from departments & presenting the same in the governing council for approval and sanction
- Consolidating faculty requirements for the academic year and complete the recruitment process one month before the commencement of the semester
- Developing Norms & Standards for promotion, Increments, Incentives and make them transparent to all concerned
- Appointing conveners of various committees for the academic year by 15th may and collect the action plan/schedule by 30th may
- Realizing the academic calendar/action plan based on inputs from the University, departments & conveners of various committees
- Constituting committees & nominate conveners for all college programmes as and when required
- Maintaining a file for each faculty as a record of personal information and professional achievements
- Convening the HOD meeting, once in 15 days with a predefined agenda & communicating the minutes to all concerned. Also, a staff meeting to be conducted at the beginning of the semester
- Reviewing the reports of Class Committee Meetings, Staff meetings of Departments and any other committee meetings (academic & non-academic) held in the Institution and the subsequent follow-up actions
- Reviewing the results and taking appropriate measures along with HODs to enhance the percentage of result

- The principal is the signing authority of all correspondences with approving and affiliating bodies, Government agencies, vendors act
- In the absence of the Principal, one of the Vice Principals is nominated by the Principal will act as the in-charge
- To act as development head in all the image-building process.
- To prepare the road map to put up the centre of excellence, incubation centre and all the technical bodies and activities.

IQAC

- Coordinate the accreditation of all institute programs periodically by agencies like NBA and NAAC.
- Constitute the Internal Quality Assurance Cell (IQAC) as per UGC/NAAC guidelines, in consultation with the Principal, Deans, and HoDs.
- Prepare proposals for AICTE and UGC approvals, setting clear targets and deadlines.
- Lead IQAC activities to ensure quality across all areas of institute operations.
- Develop a vision document for the institute by engaging key stakeholders and faculty members at all levels.
- Collect and analyze feedback from students, internal stakeholders, industries, and parents; conduct exit surveys for outgoing batches and tracer studies for alumni.
- Regularly update feedback formats and questionnaires for internal and external stakeholders.
- Design faculty assessment schemes and recommend awards for outstanding performance.
- Initiate departmental and institutional grading processes and analyze and declare results.
- Periodically revisit and update the institute's Vision and Mission statements.
- Benchmark institute processes and systems against best practices.
- Conduct periodic external academic and process audits.
- Prepare and publish the annual Internal Quality Assurance Report.
- Conduct employability surveys and provide feedback to departments for improvements.
- Plan soft skills training programs based on survey findings, in coordination with the Dean of academics and the Dean of student affairs.
- Prepare proposals for the continuation of Autonomy in collaboration with the Dean of Academics.
- Ensure timely implementation of Outcome-Based Education (OBE) across all programs.
- Undertake any additional responsibilities assigned by the Principal.

DEANS

Dean- Academics

- Plan and oversee the academic affairs of the institution.
- Publish the Academic Calendar.
- Identify training needs for staff and students.
- Ensure an effective teaching-learning process.
- Compile and present semester-wise and annual academic performance reports to the Academic Council and Board of Governors (BoG), assisted by the Controller of Examinations.
- Ensure compliance with NBA standards and prepare the necessary documentation.
- Conduct periodic monitoring of academic processes.
- Assign academic responsibilities to faculty members.
- Evaluate and analyze financial statements and assist the Principal in preparing the budget, addressing program-wise and department-wise financial needs and trends.
- Manage external communications with regulatory bodies such as UGC, AICTE, and other organizations, in coordination with the Principal and relevant Deans.
- Assist the Principal in developing alliances and associations with various stakeholders, and coordinate with departments to schedule meeting agendas and ensure compliance with deliverables.
- Represent the institute at meetings with internal and external stakeholders, as directed by the Principal.
- Assist with faculty/staff recruitment, promotions, and compliance with statutory requirements.
- Perform any other duties assigned by the principal in the institutes interest.

Dean- Training and Placement

- Develop and execute the placement strategy.
- Develop and maintain a corporate database, and communicate with industries to optimize placements.
- Conduct pre-employment assessment tests for campus-eligible students.
- Maintain a student resume bank and organize development programs focused on aptitude and soft skills.
- Develop and maintain effective communication with stakeholders, corporate partners, campus-eligible students, and institute authorities.
- Schedule, plan, coordinate, and execute the campus recruitment process based on the prevailing hiring scenario.
- Roll out and monitor the campus recruitment process in coordination with the Training and Placement (T&P) committee.
- Ensure smooth completion of student selection and joining formalities in coordination with employers.
- Assist in publishing job, placement, and internship opportunities through newsletters and other communications.
- Provide accurate data and maintain records regarding student placements.
- Attend corporate meetings and seminars for professional development.
- Organize on-campus and off-campus placement interviews.
- Arrange industry visits and training programs for students throughout the academic year.
- Coordinate expert lectures on technical and general topics for students.
- Oversee training programs for both technical and non-technical staff.
- Maintain the database of alumni, including those recruited or pursuing higher studies, for future communication and updates.
- Perform any additional duties assigned by the Principal in the interest of the institute.

Dean – Student Affairs

- Organize student counselling and act as a liaison between students and other stakeholders.
- Maintain, monitor, and enforce disciplinary policies related to students and faculty.
- Recommend students for institutional opportunities such as fellowships, scholarships, medals, and prizes, and establish regulations for their awards.
- Assist in maintaining discipline and work ethos across departments, and supervise faculty discipline and commitment.
- Coordinate with presidents of student societies and clubs regarding extracurricular activities.
- Ensure proper conduct of co-curricular and extracurricular activities through respective in-charges.
- Oversee amenities such as the canteen, transport, and clubs through respective in-charges.
- Address and resolve student suggestions and complaints.
- Coordinate with counsellors for SC/ST students and other support services.
- Collaborate with NCC, NSS, anti-ragging squad, Grievance Redressal Cell, Student Exchange Program Cell, and Equal Opportunity Cell.
- Implement and support the goals set by the Principal and Management.
- Perform any other duties assigned by the Principal.

Dean- Research

- Facilitate research scholars through the entire PhD process, from admission to thesis submission, in coordination with HoDs.
- Enhance research activities by motivating faculty, overseeing funded projects (AICTE, DST, UGC), and maintaining relevant office records.
- Develop and implement R&D strategies, policies, and goals aligned with NIRF and other ranking standards.
- Create support schemes for faculty, students, and researchers to achieve R&D goals effectively, focusing on originality and significance.
- Disseminate information about funded R&D projects and encourage quality proposal submissions with guidance.
- Coordinate with Institute leadership, Deans, and HoDs to promote research excellence.
- Develop strategies to increase internal revenue through consultancy and research, ensuring financial stability.
- Review consultancy proposals, assign them to relevant faculty experts, and form committees to prioritize them as needed.
- Approve and coordinate honorarium distribution for consulting faculty and staff according to institute policies.
- Regularly review and update the Institute's R&D guidelines and honorarium norms.
- Collaborate with the Dean of Academics to monitor PhD scholars progress.
- Engage with organizations, industries, and research labs to explore and approve collaborative research opportunities and MoUs.
- Build interdisciplinary research networks across technological domains.
- Encourage intellectual property protection and organize IPR awareness events.
- Develop policies to support faculty and students in R&D activities, including conferences, memberships, and research funding.
- Establish metrics to quantify research activities and prepare annual R&D reports.
- Promote technology-enabled startups and entrepreneurial initiatives.
- Support the creation of project studios, maker spaces, and innovative labs.
- Manage the R&D budget, ensuring proper allocation and usage.
- Perform any additional duties assigned by the Principal.

Controller Of Examinations

- Oversee the effective functioning of the Examination branch and report to the Principal.
- Prepare and propose examination regulations and rules for approval.
- Plan and arrange for the conduct of examinations, evaluation, and declaration of results in advance.
- Delegate and supervise responsibilities within the Examination branch.
- Coordinate with Heads of Departments (HODs) to ensure smooth operation of the examination system.
- Adhere to academic regulations and calendars.
- Maintain confidentiality of all examination-related matters.
- Secure examination data with proper backup on the server.
- Handle malpractice cases according to established procedures.
- Ensure timely issuance of grade cards to candidates.
- Document all financial transactions related to examinations.
- Address issues related to examination reforms.
- Safeguard all-important examination registers and records.
- Organize Results Committee meetings to facilitate timely declaration of results.
- Ensure results are declared within 2-4 weeks after examinations.
- Serve as the Member Secretary of Examination Committees.
- Perform additional duties as assigned by the Principal.

Head of the Department

- Review syllabus coverage, monitor teaching progress, and ensure the maintenance of laboratory resources.
- Implement college policies and procedures within the department.
- Ensure effective teaching and learning, and propose suitable methods for student assessments.
- Create a conducive academic environment and monitor student growth.
- Counsel students and organize parent-teacher meetings.
- Analyze student feedback, take corrective measures, and motivate faculty for improved performance.
- Recommend outstanding faculty for recognition to higher authorities.
- Submit staff appraisal reports to the Principal.
- Oversee the maintenance and inventory of equipment, furniture, and departmental resources.
- Conduct annual verification of departmental labs and stores, preparing lists for write-offs and obsolescence removal.
- Enhance faculty skills through Career Development Programs and encourage participation in FDPs at premier institutions.
- Build connections with industries, professional bodies, and alumni for department growth.
- Foster collaborations with industry for labs, internships, co-teaching initiatives, and sponsored research.
- Motivate faculty to engage in outreach activities that benefit the department, students, and society.
- Support professional development through participation in FDPs, conferences, and skill development programs.
- Design and implement a departmental co-curricular activity calendar in line with the academic calendar.
- Encourage students to pursue higher studies or entrepreneurship.
- Plan industrial tours, training sessions, and bridge courses, coordinating with industries for permissions and MOUs.
- Prepare and manage the departmental budget with input from faculty, ensuring effective utilization.
- Organize departmental seminars, workshops, and conferences annually.
- Streamline documentation for accreditation and quality processes like ISO, NBA, and NAAC.
- Manage recruitment for vacant teaching positions within the department.
- Request and coordinate procurement of books and resources for the department library.
- Prepare a departmental newsletter each semester summarizing activities and achievements.
- Compile the annual progress report of the department with relevant data for institute-wide reports.
- Maintain comprehensive records of departmental activities and achievements.
- Perform additional duties assigned by the Principal.

GRIEVANCE REDRESSAL COMMITTEE CELL

An exclusive department, led by the Principal and supported by a team of faculty members, is dedicated to addressing student grievances.
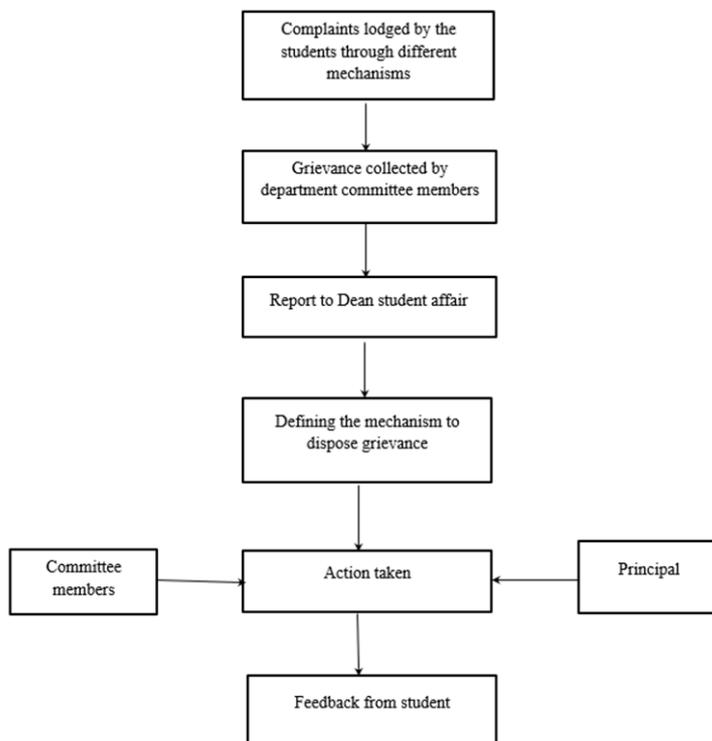
Figure 10.4: Grievance Disposal Mechanism

- Grievances of students related to academics and personal grievances of students within campus and hostel may be addressed to the committee.
- The tenure of the members shall be two years.
- The quorum for the meeting shall be three including chairperson.
- The committee shall follow the principles of natural justice while considering the grievances of students.
- The committee shall send the report and recommendations to the Management within a period of 15 days of receiving the complaint.
- The following list of members constitutes the Women grievance redressal & POSH committee.

Table 10.15: Grievance Redressal Committee Members

S. No	Name of Faculty	Category	Designation
1	Dr. Sujatha Jamuna Anand	Principal	Chairman
2	Dr. S. Chitradevi	Professor	Member
3	Dr. L. Jimson	Assistant Professor	Member
4	Mrs. V. Nageswari	Assistant Professor	Member
5	Mrs. J. Delphin Cinthiya	Assistant Professor	Member
6	Dr. V. Anbarasan	Assistant Professor	Member
7	Ms. A. Nadera Banu	III–AI&DS	Student representative
8	Mr. RanjithSahoo	III–Mech	Student representative
9	Rev. Fr. Williams	NGO	Ombudsman

*Frequency of Meeting – Bi-Monthly in a Year.

Function of the Grievance Redressal Cell

- Helps students by providing solutions to address their grievances.
- Ensures that all staff members act responsibly when handling student's issues.
- Acts as an intermediary between students and departments to resolve academic and administrative problems.

Facilities Provided by the Cell

- Suggestion box is available in the college.
- Conference room where the grievance redressal committee can meet to discuss and review grievances.

Roles and Responsibilities of the Cell:

Coordinator

- Ensures the proper resolution of students academic and administrative issues.
- Facilitates communication between the students and departments to address grievances.

- Handles all grievances with discretion, maintaining confidentiality.
- Provides students with clear guidance to resolve their concerns.

Member

- Updates authorities about the number of grievances resolved and any pending cases.
- Informs departments about the grievance redressal system.
- Takes immediate action on grievances once they are received in writing.
- Facilitates communication between students and departments to address grievances.

10.1.4 Delegation of financial powers (10)   Institute Marks : 10.00

Financial powers are delegated to the Principal, Heads of Departments and relevant in-charges.

The Delegated financial power is as follows

Table 10.17: Delegation of Financial Powers

Sl. No	Financial funds allotted for	Amount Allotted	Mode of Transfer	Remarks
1	Principal	25000	Cash	Every Individual maintains a separate file
2	Head of the Department	10000	Cash	
3	Administrator	15000	Cash	
4	Examination Cell	5000	Cash	The allotted amount is revived after submitting the file
5	TPO	10000	Cash	

Utilization of financial powers for each of the assessment years

- All the above mentioned delegated financial power authorities maintain the separate file.
- The allotted amount is revived after submitting the file to the accounts department.

10.1.5 Transparency and availability of correct/unambiguous information in public domain (5)   Institute Marks : 5.00

Information on the policies, rules, processes is to be made available on web site

- The College ensures transparency & availability of correct information in our college website by URL http://www.dmice.ac.in (http://www.dmice.ac.in) is available from which the latest information & happenings of the Institution can be accessed.
- Intranet facility is available, through which the information can be accessed across the institution.
- The norms, procedures, circulars & all other updated relevant information are available on the college website.
- The Vision and Mission statements are disseminated to all the stakeholders of the programs through faculty meetings, workshops, student induction programs, and parent meetings.

Dissemination of the information about students, faculty and staff

- Institute-specific information is made available through the institution's website. www.dmice.ac.in
- Faculty and students achievements are made available in the institution's website. www.dmice.ac.in
- A copy of the regulations handbook is distributed to every student at the time of admission or on the reopening day.
- The regulation handbook has the complete details of attendance requirements, procedure for internal assessment evaluation and eligibility for qualifying for the award of degree etc.
- The individual copy of the Academic Calendar with the list of holidays, schedule of tests and end-semester examinations is distributed to the students during the first week of the Academic year.
- The student attendance statement is displayed on the department notice board every month.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)   Total Marks 30.00

Summary of currentfinancial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years   :

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY : (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2024-25

Total Income 134357079.00				Actual expenditure(till…): 121564504.00			Total No. Of Students 1510
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
127011640.00	0	0	7345439.00	109967080.00	11597424.00	0	80506.29

Table 2 - CFYm1 2023-24

Total Income 128468500.00				Actual expenditure(till…): 117173604.10			Total No. Of Students 1418
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
110101009.00	0	0	18367491.00	107507049.22	9666554.88	0	82633.01

Table 3 - CFYm2 2022-23

Total Income 124246183.92				Actual expenditure(till…): 110700397.09			Total No. Of Students 1369
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
102101893.00	0	0	22144290.92	96974856.09	13725541.00	0	80862.23

Table 4 - CFYm3 2021-22

Total Income 86243567.48				Actual expenditure(till…): 75340159.51			Total No. Of Students 1208
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
49190712.00	0	0	37052855.48	66148777.07	9191382.44	0	62367.68

Items	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Infrastructure Built-Up	0	0	0	0	0	0	0	0
Library	1005375.00	86120.00	1800000.00	1727751.88	1820000.00	1803979.00	229844.00	308703.00
Laboratory equipment	1239000.00	3295129.00	20000.00	15000.00	5053000.00	5004707.00	1450000.00	1438635.00
Laboratory consumables	3375750.00	1687423.00	900000.00	834928.00	850000.00	882615.00	340000.00	29156.00
Teaching and non-teaching staff salary	66764584.00	63534900.00	65400000.00	63806503.00	57900000.00	55738102.54	41819299.00	43168337.16
Maintenance and spares	11457067.90	11229836.00	20090000.00	20239173.00	17300000.00	17110265.41	9251644.00	9722676.59
R&D	4978500.00	739662.00	4922121.60	4871778.60	1700000.00	1394940.64	419918.00	427062.00
Training and Travel	2293135.00	890664.00	1600000.00	1276025.00	870000.00	815531.00	776186.00	173975.00
	8016555.00	7979138.00	6644100.00	6590479.00	7108000.00	6893755.00	483655.00	7042335.44
Others, specify	28017976.40	32121632.00	21328000.00	17811965.62	26955000.00	21056501.50	33261557.00	13029279.32
Total	**127147943.30**	**121564504.00**	**122704221.60**	**117173604.10**	**119556000.00**	**110700397.09**	**88032103.00**	**75340159.51**

10.2.1 Adequacy of budget allocation (10)

Institute Marks : 10.00

The annual budget of DMI College of Engineering is formulated based on the specific needs and requirements of each department, considering factors such as student intake, laboratory and infrastructure development, and the adoption of the latest technologies. Each department prepares formal budget estimates, which are then reviewed in a Heads of Departments (HODs) meeting with the Principal.

Following deliberations, the departmental budgets may be revised before being forwarded to the Principal for the preparation of the final college-level budget. The finalized budget is then submitted to the Management for approval. The Management approves the proposed budget. The budget allocation and utilization over the past three years have been adequate, ensuring smooth academic and administrative operations while supporting institutional growth and development.

Financial year	Approved Budget In Lakhs (Rs.)	Adequate/Non-Adequate
2024-25	1271.48	Adequate
2023-24	1227.04	Adequate
2022-23	1195.56	Adequate
2021-22	880.32	Adequate

10.2.2 Utilization of allocated funds (15)   Institute Marks : 15.00

The College Management allocates funds, and Department Heads are informed about the amount assigned to their budget proposals. Major activities such as construction, infrastructure upgrades, procurement and maintenance of shared utilities, and furniture purchases are directly managed by the College Management. Requests for lab equipment, upgrades to existing lab facilities, and consumable purchases are initiated by the respective departments, with funds released on a case-by-case basis by the colleges accounts office upon Management approval. Over the past three years, the budget has been used for staff salaries, infrastructure development, equipment purchases, consumables, contingencies, travel, and other expenses. Almost all of the funds allocated by the management have been efficiently utilized by the institution during this period.

Institute level-Utilization of the Budget (%)

Financial year	Budget Allocation In Lakhs (Rs.)	Actual Expenditure In Lakhs (Rs.)	Percentage of utilization
2024-25	1271.48	1215.65	95.61 %
2023-24	1227.04	1171.74	95.49 %
2022-23	1195.56	1107.00	92.59 %
2021-22	880.32	753.40	85.58 %

10.2.3 Availability of the audited statements on the institute's website (5)   Institute Marks : 5.00

Yes. URL: http://www.dmice.ac.in

10.3 Program Specific Budget Allocation, Utilization (30)   Total Marks 30.00

Institute Marks :

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY: (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2024-25

7129541.37		Actual expenditure (till…): 4027578.33		Total No. Of Students 337
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
11,73,355.50	59,56,185.87	787.43	40,26,790.90	11951.27

Table 2 :: CFYm1 2023-24

8113636.48		Actual expenditure (till…): 8044366.31		Total No. Of Students 325
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
40,000.00	80,73,636.48	44,780.53	79,99,585.78	24751.90

Table 3 :: CFYm2 2022-23

7582300.00		Actual expenditure (till…): 7414899.22		Total No. Of Students 336
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
15,36,300.00	60,46,000.00	15,30,416.60	58,84,482.62	22068.15

Table 4 :: CFYm3 2021-22

3626843.70		Actual expenditure (till…): 3538635.98		Total No. Of Students 282
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
4,58,519.30	31,68,324.40	4,38,606.30	31,00,029.68	12548.35

Items	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Laboratory equipment	371700.00	988538.70	6000.00	4500.00	1515900.00	1501412.10	435000.00	431590.50
Software	0	0	0	0	0	0	0	0
Laboratory consumable	337575.00	168742.30	90000.00	83492.80	85000.00	88261.50	34000.00	2915.60
Maintenance and spares	3437120.37	3368950.80	6027000.00	6071751.90	5190000.00	5133079.62	2775493.20	2916802.98
R & D	1493550.00	221898.60	1476636.48	1461533.58	510000.00	418482.19	125975.40	128118.60
Training and Travel	687940.50	267199.20	480000.00	382807.50	261000.00	244659.30	232855.80	52192.50
	801655.50	1671385.95	34000.00	40280.53	20400.00	29004.50	23519.30	7015.80
Total	**7129541.37**	**6686715.55**	**8113636.48**	**8044366.31**	**7582300.00**	**7414899.21**	**3626843.70**	**3538635.98**

10.3.1 Adequacy of budget allocation (10)   Institute Marks : 10.00

Financial year	Approved Budget In Lakhs (Rs.)	Adequate/Non-Adequate
2024-25	71.30	Adequate
2023-24	81.14	Adequate
2022-23	75.82	Adequate
2021-22	36.27	Adequate

10.3.2 Utilization of allocated funds (20)   Institute Marks : 20.00

Financial year	Budget Allocation In Lakhs (Rs.)	Actual Expenditure In Lakhs (Rs.)	Percentage of utilization
2024-25	71.30	66.87	93.79 %
2023-24	81.14	80.44	99.15 %
2022-23	75.82	74.15	97.79 %
2021-22	36.27	35.39	97.57 %

10.4 Library and Internet (20)   Total Marks 20.00

Financial year	Budget Allocation In Lakhs (Rs.)	Actual Expenditure In Lakhs (Rs.)	Percentage of utilization

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

Institute Marks : 10.00

The central library is housed in an area of 1,371 sqm. with the reading space of 400 square feet. It has a seating capacity of 100. Library functions from 8.00am to 5.00 pm on all working days and 8.00am to 3.00 pm on holidays.

10.4.1. Quality of Learning Resources (hard/soft)

Relevance of available learning resources including e-resources.

- The library holds a good stock of text books, popular reference books in the field of various disciplines of Engineering, Science & Humanity and Management which includes the books mentioned in the prescribed syllabus of the affiliating university.
- The library houses a digital library section, where e-books and resources like NPTEL Videos etc. are made available. A minimum of 50 students makes use of the facilities available in the digital library on daily basis.
- The library subscribed to IEL Online, DELNET Online journals in addition to Print Journals.

The details of the number of books on Engineering subjects available department-wise are

Table 10.22: Library Book Details

SL.NO.	DEPARTMENT	TITLES	VOLUME
1	CSE	1915	8015
2	ECE	1799	7880
3	EEE	1741	5866
4	IT	1299	5803
5	MECH	1697	5320
6	SCIENCE & HUMANITIES	920	3696
7	MBA	924	3803
8	AI&DS	62	310
9	AL&ML	30	143
TOTAL		10387	40836

The library also houses popular technical journals and magazines in various disciplines of Engineering and Management with the purpose of furthering the knowledge of the students on the latest technological trends and innovations. The details of journals in subscription in Engineering and Management are listed in the Annexure.

Table 10.23: Print Journals Count

Sl. No.	Department	Journals (Print)	Year
1	CSE	6	2024–2025
2	ECE	5	2024–2025
3	EEE	6	2024–2025
4	IT	6	2024–2025
5	MECH	6	2024–2025
6	MBA	7	2024–2025

Table 10.24: Print e-Journals Count

Sl. No.	Year	Journal (e-journal)	Count
1	2022–2023	IEEE-E-JOURNAL	221
		DELNET E-JOURNAL	980
		SPRINGER NATURE E-JOURNAL	194
2	2023–2024	DELNET E-JOURNAL	1085
		SPRINGER NATURE E-JOURNAL	226
		ASME E-JOURNAL	33

3	2024–2025	DELNET E-JOURNAL	1120
		SPRINGER NATURE E-JOURNAL	254
		NATIONAL DIGITAL LIBRARY OF INDIA	636
		STATE DIGITAL LIBRARY OF INDIA	48

Access to the students

The students can have access to the learning materials available in the library either during their allotted period in a day or after 3.30 pm daily. The library functions up to 5 pm in the evening.

Support to students for self-learning activities

The students are provided with the learning materials such as video lectures on various engineering topics delivered by eminent academicians from the national institutes of excellence namely IITs and IISc through NPTEL.

The Library subscribed to IEL Online, DELNET Online journals in addition to Print Journals.

Each department maintains a hard disc containing these lectures and other study material for use by the students. The students are allowed to take copies of these resources in their devices. Apart from this the class notes and answers to the questions in the question bank and university questions are uploaded in the college portal.

10.4.2 Internet (10)   Institute Marks : 10.00

Name of the Internet provider	Tata TeleServices
Available band width	500 mbps
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	Yes (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	Mathematical Foundation of Algorithms: Demonstrate knowledge of Probability & Statistics, Discrete Mathematics, Data Structure and applications appropriate to Computer Science and Engineering.
PSO2	Essentials of Computer Science: Understand the dynamic concepts and methodology of computer systems, and to know the functionality of hardware and software characteristics of computer systems.
PSO3	Basics of Software Development: Analyze, Design, implement, Test, and evaluate computer system or algorithm to meet the industrial requirements and to solve a computational problem with ethical values.

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
    Dr. SUJATHA JAMUNA
Name : ANAND
Designation : PRINCIPAL
Signature :

Seal of The Institution :

Place : CHENNAI
Date : 21-02-2025 11:58:48