



# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by the AICTE, New Delhi - Affiliated to Pondicherry University  
Accredited by NAAC WITH 'A' Grade and NBA (National Board of Accreditation)  
Kalitheerthalkuppam, Puducherry - 605 107  
Ph: 0413 2643007 / Website: www.mvit.edu.in



IQAC

## INTERNAL QUALITY ASSURANCE CELL

### CIRCULAR

Circular No: MVIT/IQAC/Circular/2025-26/004

Date: 14-06-2025

This is to inform that the IQAC meeting with its External members is scheduled on 28<sup>th</sup> June 2025 at 10.30 AM in the Conference Hall. All the IQAC members are requested to attend the meeting. HODs are requested to inform their respective Department members, Industry Experts and alumni members to attend the meeting.

### **Agenda of the meeting:**

1. Review of progress for the suggestions given in the previous IQAC meeting with its external members held on 25<sup>th</sup> Jan 2025.
2. NAAC Criteria-wise Activity Review and Discussion of Academic Year 2024-25
  - I. Curricular Aspects
  - II. Teaching-Learning and Evaluation
  - III. Research, Consultancy and Extension
  - IV. Infrastructure and Learning Resources
  - V. Student Support and Progression
  - VI. Governance, Leadership and Management
  - VII. Institutional Values & Best Practices
3. Review of Activities and Target Achievement Report as per IQAC Action Plan for the 2024-25 Academic Year
4. Activities for Incorporating Indian Knowledge System (IKS) in Academics for Various Courses
5. IQAC Action plan for the Academic Year 2025-26

  
IQAC COORDINATOR



  
IQAC CHAIR

To

- ❖ HoDs of all departments
- ❖ All Deans
- ❖ IQAC members
- ❖ NAAC Criteria i/c's
- ❖ Office

PRINCIPAL  
MANAKULA VINAYAGAR  
INSTITUTE OF TECHNOLOGY,  
KALITHEERTHALKUPPAM,  
PUDUCHERRY - 605 107.



# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY



An Autonomous Institution

Affiliated to Pondicherry University, Approved by AICTE, New Delhi,

Accredited by NAAC with 'A' Grade

Kalitheerthalkuppam, Puducherry- 605 107.

The Internal Quality Assurance Cell (IQAC) with its External members was held on 28<sup>th</sup> June 2025 at 10.30 am in the Board Room.

## The following members were present:

### **IQAC Chair**

Dr. S. Malarkkan, Principal

### **IQAC Coordinator**

Dr. R. Valli, Dean (R&D)

### **Academic Peer**

Dr.N. Alagumurthi, Professor, Department of Mechanical Engineering, Puducherry Technological University

### **Industry Member**

- Mr.Subhash Chandra Bose, Technical Head, Shimano Singapore (P) Ltd, Singapore
- Mr.S. Santoshkumar, General Manager, Vell Biscuits (P) Limited, Puducherry
- Ms. Nandhini, Sr. Executive Officer, Accounts & Finance, TANFAC, Cuddalore
- Mr. Venkatesh Tekkala, Deputy General Manager, Plant Quality Head, Poclairn Hydraulics (P) Ltd, Puducherry

### **Members from the Institution**

- Dr.A.Thenmozhi, Dean(Academics)
- Dr.B. Radjaram, Professor and Head/Mech
- Dr.C. Shanmugasundaram, Professor and Head/EEE
- Dr. S. Arunmozhi, Professor and Head/ECE
- Dr. S. Pariselvam, Professor and Head/CSE
- Dr.P. Sivakumar, Professor and Head/IT
- Dr.V. Govindan, Associate Professor and Head i/c /RA
- Mr.R.Raj Bharath, Associate Professor and HoD i/c / AI & ML
- Dr.N. Palanivel, Professor & Head(i/c) /CSE(ICB)
- Dr.D. Tiroutchelvame, Associate Professor and Head/FT
- Dr. P. Baskaran, Professor and Head/MBA
- Ms. M.Sumithra, First Year Coordinator



- Dr.M.Jayekumar,Dean(Placement)
- Dr. Meiappan, Professor/IT,Exam Cell Coordinator
- Dr.S. Vaidheeswaran, Professor/MBA, EDC Cell Coordinator
- Mrs.R. Priya, AP/EEE
- Mr.B.Vasanth, AP/Mech
- Ms.Pesha, AP/RA
- Mr.V. Kumaraguru, AP/ICB
- Ms. S.K. Sugunedham, AP/AIML
- Mr. S.Ravichandran, AP/Maths
- Dr. R. Baghya Nisha, AP/FT
- Ms. G. Sharmila, AP / CSE
- Ms.G. Agalya, AP/MBA
- Dr. R. Sofia, AP/ECE
- Ms.I. Varalakshmi, AP/CSE
- Ms.A.Punitha, AP/IT
- Dr. K. Sethuraman, ASP/EEE
- Mr.A. Thiagarajan, AP/MECH
- Dr.Baig Mansur Ibrahim,Associate Professor / MBA

#### **Alumni Member**

- Mr. M.Velmurugan,Batch: 2013-2017(ECE)
- Ms.SaiSaranya, Batch: 2015-2019(CSE)
- Mr.M.Abilash, Batch (2016-20) (EEE)

#### **Student Member**

- Ms.P.Janani, III - ECE
- Ms. Balkis Bee,III- CSE
- Ms.N.Covya, III - IT
- Ms.M.Kowsika, III - EEE
- Mr.R.Kirubakaran, III – Mech
- Mr.L.M.R.Rangesh, III - RA
- Mr.R.Dinesh, III – FT
- Ms.A.Dhanalaxmi, III – ICB
- Mr.D.V.Chirahaas, III – AI&ML
- Ms,D.Lakshmipriya, I - MBA



- The IQAC Chairperson welcomed all the members of the IQAC and expressed appreciation for their continued support and contributions towards institutional quality enhancement.
- The minutes of the previous meeting was ratified by the IQAC members and the Action Taken Report presented by Dr.R.Valli, IQAC Co-ordinator was reviewed and approved.

### Points Discussed:

The IQAC co-ordinator started the presentation by highlighting the agenda of the meeting.

### **Agenda of the meeting:**

1. Review of progress of activities based on the suggestions given by members in the previous IQAC meeting held on 25<sup>th</sup> Jan 2025.
2. NAAC Criteria-wise Activities of Academic Year 2024-25: Review and Discussion
  - I. Curricular Aspects
  - II. Teaching-Learning and Evaluation
  - III. Research, Consultancy and Extension
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  - V. Student Support and Progression
  - VI. Governance, Leadership and Management
  - VII. Institutional Values & Best Practices
3. Review of Activities and Target Achievement Report as per IQAC Action Plan for the 2024–25 Academic Year.
4. Activities for Incorporating Indian Knowledge System (IKS) in Academics for Various Courses.
5. IQAC Action plan for the Academic Year 2025-26

### **Agenda 1: Review of progress of activities based on the suggestions given by members in the previous IQAC meeting held on 25<sup>th</sup> Jan 2025.**

- The IQAC coordinator presented the **action taken report for the suggestions** given by the members in the previous IQAC Meeting held on Jan 25, 2025. The report detailed the measures and actions implemented by the institution in response to the suggestions made by external stakeholders, including experts from industry and alumni. Members reviewed and acknowledged the actions taken, with a note of appreciation for follow-up and timely execution.

### **Agenda 2: NAAC Criteria-wise Activities of Academic Year 2024-25: Review and Discussion**

- I. Curricular Aspects
- II. Teaching-Learning and Evaluation
- III. Research, Consultancy and Extension
- IV. Infrastructure and Learning Resources
- V. Student Support and Progression
- VI. Governance, Leadership and Management
- VII. Institutional values and Best Practices



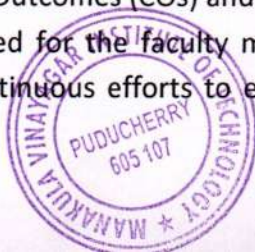
- The IQAC Co-ordinator presented the **key initiatives of IQAC** for institutional quality enhancement. These initiatives included **fixing targets based on the quantitative and qualitative metrics of each NAAC criterion, formulating the IQAC action plan and organizing weekly meetings to assess the efficiency** of various events. The Co-ordinator also highlighted the preparation of the **IQAC Dossier and Annual Report** and the **celebration of IQAC Day**. The initiatives like **IQAC Awards**, applying for **rankings** and recognitions, organizing Professional Development Programs, Quality Improvement Programs, capacity-building workshops, **promoting Indian knowledge systems** and executing SDG-related outreach activities in schools, colleges and villages were also highlighted in the presentation.

### I. Curricular Aspects

- The IQAC Co-ordinator presented an overview of the curriculum delivery process, highlighting its implementation through a well-structured and systematically documented framework. The effectiveness of delivery is regularly monitored by the **Academic Review Committee (ARC)** and the **Academic and Administrative Audit Committee (AAA)** to ensure quality and consistency. A strong focus has been placed on **experiential learning through project work, field work and internships**.
- A total of **71 Value-Added Courses, 60 Industrial Visits** have been organized across various departments to enhance students learning and exposure on industrial scenario. More number of students from various departments have undergone internship/ inplant training in **94 companies / industries**.

### II. Teaching-Learning and Evaluation

- The IQAC Co-ordinator highlighted the systematic procedure adopted by the institution for the identification of slow learners. Student-centric methods such as **experiential learning, participative learning and problem-solving methodologies** are actively employed to enhance the overall learning experience. She highlighted the effective integration of ICT-enabled tools in the teaching-learning process and commended the initiatives taken by the IQAC cell in promoting their usage. She further acknowledged the organization of Professional Development Programs (PDPs) aimed at enhancing faculty competency in adopting innovative and technology-driven teaching practices.
- She presented an overview of the **Mentor-Mentee system** followed in the institution which includes helping the students in their studies, career choices and personal issues. Regular meetings are held to monitor their progress and to provide necessary support. She presented the mechanism of internal assessment, highlighting that it is transparent and robust in terms of both frequency and mode. She also presented the process adopted by the institution for evaluating the attainment of Course Outcomes (COs) and Programme Outcomes (POs).
- **Microteaching** session was conducted for the faculty members from 28<sup>th</sup> May to 3<sup>rd</sup> June 2025 as part of the institution's continuous efforts to enhance the quality of teaching and



learning. The primary objective of this initiative was to refine the instructional skills of faculty members by providing a focused platform for practice, feedback and improvement.

- During the academic year 2024–25, the institution has organized **70 guest lectures, 340 special lectures and 68 internal/external workshops** to enhance the knowledge and skills of students and faculty of all the departments.
- The details of Graduation percentage of 2024 passed out batch and the 2024-25 Odd semester results were presented in the meeting.

Graduation percentage: 2024 Passed Out Batch			
Department	Overall: 94.46 %		
	No. of students	No. of students completed the course	Graduation %
EEE	28	23	82.14
ECE	86	83	95.40
CSE	124	117	94.3
IT	92	90	97.82
MECH	46	35	76.08
ICB	18	18	100
RA	19	18	94.73
FT	26	26	100
MBA	119	117	98.31
M.TECH(ECE)	-	-	-
M.TECH(CSE)	2	2	100
<b>TOTAL</b>	<b>560</b>	<b>529</b>	<b>94.46</b>

2024-2025: Odd semester University Examination Results			
Department	Overall		
	No. of students appeared	No. of students Cleared	Pass Percentage %
EEE	104	94	<b>90.38</b>
ECE	450	389	<b>86.44</b>
CSE	376	315	<b>83.7</b>
IT	354	313	<b>88.4</b>
MECH	68	48	<b>70.58</b>
FT	54	35	<b>65.00</b>
RA	84	68	<b>80.95</b>
ICB	163	139	<b>85.2</b>
AI & ML	255	201	<b>78.82</b>
I Yr.	667	531	<b>79.61</b>
M.Tech ECE	-	-	-



M.Tech CSE	6	6	100
MBA	238	234	98.3
<b>TOTAL</b>	<b>2819</b>	<b>2373</b>	<b>84.17%</b>

**2024-2025 : Odd semester University Examination Results**

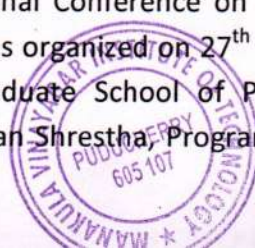
Dept.	YEAR / SEM									Overall		
	II / III			III / V			IV / VII					
	Appeared	cleared	Pass %	Appeared	cleared	Pass %	Appeared	cleared	Pass %	Appeared	Cleared	Pass %
EEE	35	26	74	27	26	96	42	41	98	104	94	90.38
ECE	147	127	86.39	180	149	82.77	123	113	91.86	450	389	86.44
CSE	126	86	69	126	111	88	124	117	94.3	376	315	83.7
IT	114	92	80.7	121	108	89.25	119	113	94.95	354	313	88.4
MECH	25	15	60	18	12	72.22	25	20	80	68	48	70.58
FT	16	11	55	18	13	72	11	9	55	54	35	65
RA	39	23	58.97	24	24	100	21	21	100	84	68	80.95
ICB	44	30	68.1	59	50	84.7	62	59	95.1	163	139	85.2
AI & ML	113	86	76.1	118	99	83.89	24	16	66.6	255	201	78.82

Dept.	YEAR / SEM						Overall		
	I / I			II/III					
	Appeared	cleared	Pass %	Appeared	cleared	Pass %	Appeared	cleared	Pass %
MBA	120	116	96.6	120	120	100	23	2	98.3

Dept.	YEAR / SEM		
	I / I		
	Appeared	cleared	Pass %
GE	667	531	79.61

### III. Research, Consultancy and Extension

- A total of 118 journal publications, 147 conference presentations, and 21 books/book chapters were contributed by faculty and researchers during the Academic year 2024-25.
- The 6<sup>th</sup> IEEE-sponsored International Conference on Systems, Automation, Computation, and Networking (ICSCAN 2024) was organized on 27<sup>th</sup> and 28<sup>th</sup> December 2024. Dr. Takashi Watanabe, Professor at the Graduate School of Pharmaceutical Sciences, Kumamoto University, Japan, Dr. Shyam Sharan Shrestha, Program Coordinator at SIHS and President



of the Human Resource Development Center (HRDC), Nepal and Dr. Raju Aedla, Professor and Dean of Research & Development at SVES, Hyderabad graced the conference as guests. The Proceedings of the conference has been published and is Scopus Indexed.

- The presentation highlighted the institution's commitment to promoting innovation and intellectual property creation among faculty and students during the academic year 2024-25

Patent Categories	Filed/Published		Grants
	Dept.	No. of Patents	No. of Patents
Product Patents	ECE	12	4
	CSE	4	-
	IT	4	-
	RA	1	-
	EEE	4	-
	AIML	3	-
<b>TOTAL</b>		<b>28</b>	
Design Patents	ECE	1	-
	AI&ML	4	-
<b>TOTAL</b>		<b>05</b>	<b>04</b>

- As of date, the institution has achieved a significant milestone in intellectual property generation, with a total of **11 product patents, 123 design registrations, and 7 copyrights** granted.
- The Faculty Development Programme (FDP) titled “**AI-IoT – Edge Revolution: Building the Future of Smart Systems**”, proposed by Dr. N. Palaniveland Dr. S. Vaijyanthi, has been sanctioned under the ATAL scheme.
- Conference proposal on “**Artificial Intelligence for Internet of Things (AIoT)**”, submitted by Dr. N. Palaniveland Mr. R. Raj Bharath, has also been sanctioned under the VAANI-ATAL Conference scheme.
- **22 IPR Awareness programs, 23 Research methodology programs, 23 Entrepreneurship development** programs were conducted during the academic year 2024-25.
- The 7<sup>th</sup> IEEE-sponsored International Conference on Systems, Automation, Computation, and Networking (**ICSCAN 2025**) has been planned to be organized during December 2025.
- The NSS Cell actively conducted various extension activities promoting social responsibility and community engagement. Key events included beach cleanups, blood donation camps, yoga workshops and awareness rallies on drug abuse, traffic safety & disaster management.
- **EUREKA 2.0 Summer Camp** for the Kids of the Employees of Lucas TVS was organised from 12<sup>th</sup> May to 1<sup>st</sup> June 2025. The Summer camp included
  1. Telegram Chatbot
  2. Mobile App
  3. Augmented Reality and Virtual Reality
  4. Hands-on Sessions on Microcontrollers, sensors and various components



5. Smart Dustbin
6. Home automation
7. Hydraulics hand Robot
8. Rope climbing Robot

#### Students Notable Achievements:

- Gandhiraj T from ECE won the **Capgemini Tech4Positive – Youth Voices Edition competition**.
- Nandhini and her team, guided by Dr. S. Arunmozhi, HoD/ECE, received the **Best Project Award from IETE** during the 4<sup>th</sup> National Level Symposium ELITECCOM 2025 held on 20<sup>th</sup> February 2025.
- Reventh and Cedrin of IV-A were **invited as resource persons** to conduct a workshop on “Arduino” at Jerusalem Engineering College, Chennai.
- P. Lavanya of II year CSE B won **3<sup>rd</sup> place** in the **Puducherry University Inter-Collegiate Weightlifting Tournament** for Women held on 4<sup>th</sup> November 2024.
- Benny Christian of III year CSE B won **First Prize in the International Chess Day 2024 MVIT Grandmaster Chess Tournament** held on 30<sup>th</sup> August 2024.
- P. Lavanya of II year CSE A won **First Prize in the Badminton Championship** held on 11<sup>th</sup> and 12<sup>th</sup> January 2025.
- Yuvaraja and Harish from III year CSE-B **won First Prize in the coding contest** conducted by Auroville Institute of Applied Technology.
- Benny Christian J. secured **Third Prize in "Codex,"** an event conducted as part of Neura- 25 by the Department of Information Technology, Puducherry Technological University.
- Ragul S, Siddharth, Monishwar, and Gurusaran won the **Second Prize in the Code Hunt** event at Gyanith-25 conducted by NIT Puducherry.
- Jawagar N and Kathiravan A of II year IT participated in the Python Puzzle Hunt Contest at SRM Institute of Science and Technology, Chennai.
- Mohanane P from the Department of Robotics and Automation **secured 9<sup>th</sup> place** in the State Level 5km Run and received a cash prize of ₹2000.
- A. Shivakesh of III year, Department of Food Technology **won Second Prize** in the poster presentation at the National Seminar on “Plant Science and Nanotechnology” held at Adhiparasakthi Agricultural College, Kalavai on 17<sup>th</sup> August 2024.
- Djeocika Lizy of IV year, Department of Food Technology has been recognized as an **“NPTEL Discipline Star”** for the July – December 2024 session.
- Ms. B. Lakshmi Priya, Karthickraja V, and Sukesh M of I year MBA **won First Prize in the IPL Auction** event held at Saveetha Engineering College on 9<sup>th</sup> November 2024.
- K. Ezhilarasi, Gayathri K, and Deepiga S of I year MBA (Section B) won **First Prize in the Marketing Competition** with a cash award of ₹3000, held at Pondicherry University on 21<sup>st</sup> February 2025.
- Mr. Karthik Raja, First Year MBA, has been **selected by Pondicherry University to participate in the South Zone Inter-University Men’s Cricket Tournament 2025**, to be held at University of Madras.



- Mr. Swathi of Second Year MBA has **won Gold Medal with the Cash award of Rs. 1,50,000** and became the **ATTAYA PATTIYA Asian Champion**.

#### Faculty Achievements

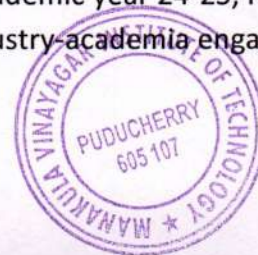
- 2 Patents titled,
  - Saline Solution Rundown Monitoring and Alerting Device
  - Automatic Water Tap Dispenser with Water Storage Tank
 have been included as **top 80 in the compendium of IP driven solutions** addressing Sustainable Development Goals published by Indian Patent Office, Government of India.
- Dr. R.Valli, Dean (R&D), received the **Best inventor award for the year 2024**, from News 18 channel.
- Mr. M.Sivaraj, AP / ECE received the **Best paper award in ICSCAN 2024** for his paper titled "A Comprehensive Study on Recess Gated Fe-doped AlN/GaN/ AlGaN HEMT for next Generation".
- Ms. R. Vijayalakshmi, AP / ECE received the **Best paper award in ICSCAN 2024** for her paper titled "Revolutionizing Plant health: A Cutting-Edge approach to leaf Disease Detection, Classification and severity Estimation++ by Advanced Image processing".
- Ms. Vadivukarasi, Mohanraj S and Vijayalakshmi R of ECE have received **NPTEL ELITE certificate** and Dr.R. Sofia has received **Elite Silver medal** in NPTEL.
- R.Priya, AP/EEE completed **AICTE – QIP PG Certification course** on Machine Learning from July to December 2024 at IISc, Bangalore.
- Dr. S. Sivaramakrishnan, Assistant Professor of Mathematics, received the **Best Professor Award 2024** from Silampoli Foundation, Pudukottai, on September 5, 2024.
- Dr.R.Valli received the "**Prof. K. Arumugam National Award for Innovative work in Engineering and Technology- ISTE AWARD'24**"

#### IV. Infrastructure and Learning Resources

The detailed report on budget allocation and utilization for the academic year 2024–25 was presented during the meeting.

#### V. Student Support and Progression

- The details of placement training activities and the number of companies that visited the campus were presented during the meeting. The training programs included sessions on aptitude, technical skills, soft skills, and mock interviews, conducted in collaboration with industry experts and training partners to enhance student employability. It was also reported that a significant number of reputed companies visited the campus for recruitment drives across various departments. As a result of these efforts, the institution achieved an **overall placement percentage of 88%** for the academic year 24-25, reflecting the effectiveness of the training programs and the strong industry-academia engagement.



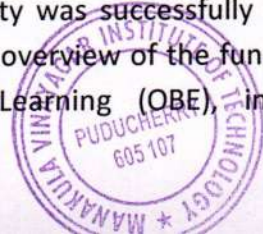
The details of placement training, No.of companies visited in the 2024-25 A.Y is given below

DEPARTMENT	EEE	ECE	CSE	IT	MECH	FT	RA	IOT	AIML	MBA	TOTAL
Students Strength	42	123	124	119	25	20	21	62	24	118	678
No of Students	39	103	105	107	22	15	21	56	22	105	595
Total Offers	127	274	196	221	26	15	39	76	46	225	1245
Placement %	92.86	83.74	84.68	89.92	88.00	75.00	100.00	90.32	91.67	88.98	87.76

- In the year 2024-25, **11 programs** from CGC and **41 programs** from the departments were organized for **career guidance** to the students on career opportunities, higher education, competitive exams and industry expectations.
- **33 students have progressed to higher education** in various reputed institutions during the year 2024-25.
- The IQAC Coordinator also presented the activities of various clubs/committees, professional bodies, student chapters and departmental associations, highlighting their contributions to student development.
- The institution conducted various awareness and sensitization activities through the **Internal Complaints Committee (ICC) and Anti-Ragging Committee** to ensure a safe and inclusive campus environment. The ICC has organized orientation programs, workshops, and poster campaigns to spread awareness on gender sensitivity and legal provisions related to sexual harassment. Similarly, the Anti-Ragging Committee carried out awareness sessions, pledge-taking campaigns, display of anti-ragging posters and continuous monitoring across campus to prevent any form of ragging. These initiatives collectively aim to promote student safety, respect and well-being.
- Pitchumani R from III Year CSE-B has qualified Graduate Aptitude Test in Engineering (GATE) 2025 Examination with the score of **440 and All India Rank (AIR) of 10873**.
- The alumni activities were presented during the meeting, highlighting their involvement in guest lectures, mentoring sessions, and industry interaction. It was noted that alumni have actively supported placement training, internships and project guidance, contributing to the professional growth of the students and strengthening alumni-institute relations.

#### VI. Governance, Leadership and Management

- The **Faculty Induction Program** for newly recruited faculty was successfully conducted from 08.06.2024 to 13.06.2024. The sessions including an overview of the functioning of the institution, an introduction to Outcome-Based Learning (OBE), insights on



Accreditations and Examination Reforms, and focus on Values, Ethics, and Environmental Consciousness were covered. Additionally, the program emphasized the importance of Research & Development, providing faculty with the tools and knowledge to contribute effectively to academic and research initiatives.

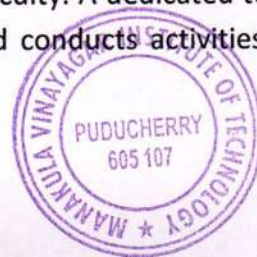
- Competition on **Innovative Pedagogical Practices** was conducted on 06.07.2024 to encourage the faculty to share their creative approaches to enhance the overall learning experience.
- Professional Development Programs(PDP's) organised:
  - Professional Development Program on **"ICT Tools for Interactive Teaching & Learning"** was conducted from 22.07.2024 to 27.07.2024 to hone the skills in using technology effectively for engaging and interactive learning.
  - Professional Development Program on **"Mathematics: The Foundation of Engineering"** was conducted from 07.08.2024 to 13.08.2024 to strengthen the knowledge of faculty in exploring the concepts of mathematics used in various engineering domain.
  - Professional Development Program on **"AI Application in Engineering Domains"** was held from 24.09.2024 to 30.09.2024 to enhance faculty understanding and expertise in integrating artificial intelligence into various engineering fields
  - Professional Development Program on **"NEP 2020: A New Vision for Education"** was conducted to help faculty understand and implement the key principles and strategies of the National Education Policy 2020 in their teaching practices.
  - Professional Development Program on **"Outcome-Based Education"** was held from 11.11.2024 to 16.11.2024 to equip faculty with the knowledge and skills needed to implement outcome-based education effectively, focusing on student-centric learning and assessment strategies.
  - Professional Development Program(For Non Teaching staff) on **"Mastering Workplace Dynamics"** was conducted from 05.08.2024 to 09.08.2024 to help participants enhance their interpersonal and professional skills for effective communication, collaboration, and conflict resolution in the workplace.
  - Professional Development Program (For Non Teaching staff) on **"Communication Skills"** was conducted from 10.09.2024 to 14.09.2024 to enhance participants' abilities in effective communication, focusing on both verbal and written skills.
  - Professional Development Program(For Non Teaching staff) on **"Practicing Writing Skills"** was conducted from 24.09.2024 to 28.09.2024 to help participants improve their writing abilities, focusing on clarity, coherence, and effective communication in academic and professional contexts.
  - Professional Development Program(For Non Teaching staff) on **"Relax, Recharge, and Renew: Yoga for Educators"** was conducted from 11.11.2024 to 16.11.2024 to enhance the well-being through yoga, focusing on stress relief, mindfulness, and improving physical & mental health.



- Professional Development Program(For Non Teachingstaff) on“**Photoshop**” was conducted from 19.11.2024 to 22.11.2024 to enhance participants' skills in using Photoshop for graphic design, image editing, and creative visual communication
- Professional Development Program(For Non Teaching staff)on “**Mastering Microsoft Publisher**” was conducted to help participants gain proficiency in using Microsoft Publisher for creating professional-quality publications, including brochures, newsletters, and other marketing materials.
- Professional Development Program (For Non Teaching staff) on “**Developing Sustainable Practices in Non Teaching Roles**” was conducted from 29.01.2025 to 03.02.2025
- Professional Development Program on “**Teaching with Technology: Unleashing the Potential of AI and ICT Tools**” was conducted during 04.02.2025 to 08.02.2025.
- Professional Development Program on “**Indian knowledge systems and Human values: Foundations for personal & social harmony**” was conducted during 10.02.2025 to 14.02.2025.
- Professional Development Program on “**Blockchain Technology: transforming multidisciplinary innovations and industrial Applications**” was conducted from 17.03.2025 to 21.03.2025.
- Professional Development Program (For Non Teaching staff) on “**Bakery and Food processing techniques**” was conducted from 17.03.2025 to 21.03.2025.
- Professional Development Program (For Non Teaching staff) on “**Managing Personal and Work finances**”was conducted from17.02.2025 to 21.02.2025
- Professional Development Program on “**Integrating Nutrition, Preservation, and Technology in Food Science**” was conducted from03.03.2025 to 07.03.2025.
- Professional Development Program on “**IKS - ENCRYPTION & SECRET COMMUNICATION IN MAHABHARATA**” was conducted from 10.03.2025 to 14.03.2025.
- Professional Development Program (For Non-Teaching staff) on “**AI Tools for Administrative Efficiency**” was conducted from10.03.2025 to 14.03.2025.
- Around **61 quality improvement programs** and **31 orientation programs** were conducted for the development of students and faculty.

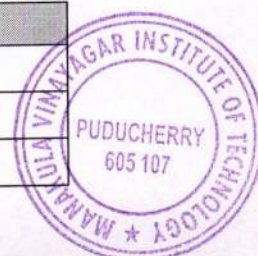
#### Criteria VII

- The IQAC co-ordinator presented the measures taken by the institution to **promote gender equality** during the academic year 2024-25. Key initiatives included gender sensitivity programs, self-defence workshops and legal awareness sessions by ICC. Women Empowerment Cell of our institution has also conducted various seminars, motivational talks and health awareness programs for benefit of students and faculty. A dedicated team continuously works towards implementing SDG 5 and SDG 10 and **conducts activities** on legal awareness, women’s health awareness.



- The institution organized various programs to promote awareness of the Code of Conduct among students, faculty and staff. This includes orientation sessions, workshops, and awareness programs focusing on professional ethics, discipline, academic integrity and respectful behaviour.
- The IQAC Co-ordinator highlighted the institution's commitment to celebrating national and **international commemorative days and festivals** as part of its holistic educational approach. With active participation from students, faculty and staff, the institution observed Pi Day, World Water Day, Pongal, Christmas, Deepavali, New Year, World Technology Day, World Radio Day etc., along with awareness-focused observances such as World Ozone Day, World Health Day, World Cancer Day, World Food Safety Day, World Food Day, National Youth Day, World Students Day, National Voters Day and Human Rights Day. Moreover, the institution also organized National Technology Week Celebration – Project Expo, promoting innovation and creativity among students. As part of women's day celebration, "**MVIT-SANTHAI**" event was conducted to promote the entrepreneurial spirit among the Girls students from 3<sup>rd</sup> to 5<sup>th</sup> March 2025.
- Dr. R. Valli presented the best practices of the institution, with a focus on the activities undertaken by the institution's SDG Team, showcasing their ongoing commitment to promoting sustainability and aligning institutional practices with the United Nations Sustainable Development Goals. A significant number of activities were conducted under each of the **17 Sustainable Development Goals (SDGs)**, with programs designed to actively engage students, faculty, and local communities—reinforcing the institution's role as a catalyst for positive societal change and sustainable development.
- The International Conclave on **Sustainnovation 1.0 (ICS 1.0)** was successfully conducted on 6<sup>th</sup> December 2024, focusing on sustainable innovation and institutional strategies aligned with the UN's SDG. A Memorandum of Understanding (MoU) was signed between MIT and the Association for Promoting Sustainability in Campuses and Communities to foster collaborative initiatives in sustainability.
- **Sustainnovation 2.0** was conducted during 9<sup>th</sup> & 10<sup>th</sup> April 2025.
- As a best practice, the institution encourages active participation in professional bodies such as **IEEE, ISTE, IETE, CSI, SAE, NIQR, IPA and ISHRAE**. These bodies regularly conduct technical workshops, seminars, guest lectures, industrial visits, and hands-on training sessions that enhance students technical knowledge, professional competencies and industry exposure.
- Under **Institutional Distinctiveness – Innovation, Product Development and Patent**, the IQAC noted significant progress in intellectual property generation over the years. During the academic years from 2021–22 to 2024–25, a steady increase was observed in the number of patents filed and published, reflecting the institution's growing emphasis on research and innovation.

Academic year	Filed	Published	Grant
2021-22	10	10	-
2022-23	10	10	02
2023-24	18	18	04



2024-25	28	28	04
2025-26	-	-	01

- As part of the institution's distinctive focus on innovation and product development, several industry-oriented projects have been successfully developed through collaborations with industries such as Lucas TVS, Luck Automation and Godrej Consumer Products.

### Agenda 3: Review of Activities and Target Achievement Report as per IQAC Action Plan for the 2024–25 Academic Year

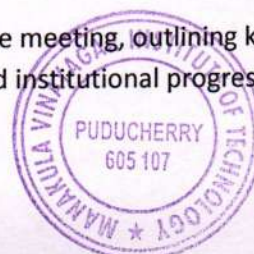
- The report detailed the successful execution of key initiatives across academic, co-curricular, administrative and quality assurance domains. The IQAC Co-ordinator provided a consolidated summary of various academic and quality enhancement initiatives carried out by the institution. This included internal and external workshops, guest lectures, special lectures, industrial visits, sessions focused on research methodology, intellectual property rights (IPR), entrepreneurship, guidance programs for competitive examinations and career counselling, active alumni engagement and support services, ICC/POSH activities, professional development and administrative training programs, conferences and seminars addressing quality-related themes organized for students, faculty and staff.
- For each of these activities, specific targets had been set at the beginning of the academic year (2024-25) and the Co-ordinator reported that most of the planned activities were successfully completed. She also highlighted the improvement in the no. of activities and outcomes in the 2024–25 A.Y as compared to 2023–24 A.Y

### Agenda 4: Activities for Incorporating Indian Knowledge System (IKS) in Academics for Various Courses

- **IKS Connect Series - I** focused on **Indian Knowledge Systems across Various Engineering Domains**, exploring how ancient knowledge can inform modern engineering practices, was conducted from **03.08.2024 to 23.08.2024**.
- **IKS Connect Series - II** featured a **Management Lecture Series on the Relevance of IKS in View of the Bhagavad Gita**, highlighting the connection between traditional wisdom and contemporary management principles, was conducted from **05.08.2024 to 28.08.2024**.
- **IKS Connect Series - III** delved into **Decoding Science, Engineering, and Technology in Ancient Tamil Literature**, uncovering how ancient texts provide valuable insights into the evolution of science and technology, was conducted from **02.09.2024 to 23.09.2024**.
- A **Professional Development Program** titled **"IKS – Encryption & Secret Communication in Mahabharata"** was conducted from **10<sup>th</sup> to 14<sup>th</sup> March 2025**.

### Agenda 5: IQAC Action plan for the Academic Year 2025-26

The IQAC action plan for the Academic Year 2025-26 was finalized during the meeting, outlining key initiatives to enhance academic quality, research, student development and institutional progress.



## Comments and suggestions given by IQAC Members

**Dr.N.Alagumurthi, Professor, Department of Mechanical Engineering,Puducherry Technological University**

- Dr. N. Alagumurthi, Professor, Department of Mechanical Engineering, Puducherry Technological University, appreciated the efforts taken by the IQAC in systematically collecting, organizing, and presenting the various data and activities for the academic year 2024–25. He acknowledged the commitment of the institution towards maintaining quality benchmarks and commended the structured approach reflected in the IQAC documentation and review processes.
- He congratulated Dr. S. Malarkkan, Principal, for receiving the Best Principal Award from the ICT Academy.
- Dr. N. Alagumurthi congratulated the institution on the successful implementation of autonomous status in the academic year 2025–26, acknowledging it as a significant milestone in the institution's academic progression.
- Dr. N. Alagumurthi appreciated the efforts of the IQAC in the meticulous preparation of the IQAC Annual Report and IQAC Dossier.
- Dr. N. Alagumurthi appreciated the practice of conducting weekly IQAC review meetings and the consistent follow-up on target attainment as per the IQAC Action Plan.
- He also appreciated the institution for its consistent performance in achieving strong student admissions, commendable placement records, high graduation percentage and excellent academic results
- He also appreciated the institution for organizing a large number of academic, co-curricular and extension activities, reflecting a vibrant and active campus environment. He also specifically appreciated the efforts taken under Indian Knowledge Systems (IKS), acknowledging their value in promoting cultural heritage, traditional wisdom and interdisciplinary learning.
- The Action Taken Report of the previous IQAC meeting conducted on 25<sup>th</sup> Jan 2025 was reviewed and approved by the committee. It was also suggested that if any suggestions or action points are not applicable to specific departments, the IQAC may collect a NIL report from those departments to ensure completeness of documentation and accountability in the reporting process.
- The Academic and Administrative Audit (AAA) procedure was explained and recent audit report was presented during the meeting. Dr. N. Alagumurthi reviewed the audit process and suggested enhancements to the audit evaluation format to make it more comprehensive, outcome-oriented and aligned with evolving academic quality benchmarks. He emphasized the need to clearly specify the type of audit—whether internal or external—along with the audit scope, period and methodology. Additionally, it was recommended that the audit report may include a summary of key findings, compliance status and actionable recommendations.



- Dr. N. Alagumurthi suggested that, in addition to academic targets, specific and measurable targets should also be set for co-curricular and extracurricular activities. He also emphasized the need to motivate students to actively participate in competitions and events conducted by premier institutions such as IITs & NITs.
- Though the number of students pursuing higher education is improved in this year, the percentage remains relatively low with respect to overall student count. The committee advised that the Career Guidance Cell and the respective Heads of Departments can take proactive and strategic measures to motivate and support students in exploring and pursuing higher education opportunities both in India and abroad.
- It was recommended to add information about the highest and lowest salary packages offered during placements to give a comprehensive view of the placement outcomes in all the documents and presentations.

**Mr.Subhash Chandra Bose,Technical Head,Shimano Singapore (P) Ltd,Singapore**

- He appreciated the noticeable improvements in institutional performance and commended the increased number of academic, co-curricular and extension activities conducted during the academic year 2024-25.

**Mr.S. Santoshkumar,General Manager,Vell Biscuits (P) Limited,Puducherry**

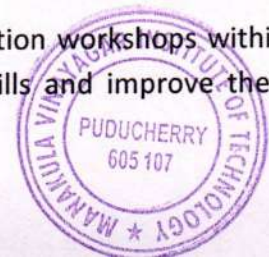
- Mr.S.Santoshkumar, General Manager, Vell Biscuits (P) Limited, Puducherry, appreciated the institution's efforts in organizing entrepreneurship development programs.

**Mr. Venkatesh Tekkala,Deputy General Manager,Plant Quality Head,Poclain Hydraulics (P) Ltd, Puducherry**

- He suggested encouraging interdepartmental projects and multidisciplinary initiatives to foster cross-learning among students and faculty. Such collaboration can be promoted through joint project-based learning activities, innovation challenges and hackathons that require participation from multiple departments.
- An International Alumni Network should be established to strengthen global connections and foster collaborative opportunities between the institution and its alumni worldwide.
- Additionally, implementing a structured One Alumni–One Student Mentoring Program can provide personalized guidance and support to students, leveraging the experience and expertise of alumni to enhance student development and career readiness.

**Ms.SaiSaranya, Batch: 2015-2019(CSE)**

- She suggested to conduct resume writing and email communication workshops within the institution to equip students with essential professional skills and improve their formal communication in alignment with industry standards.



- It was further recommended to organize mock interview sessions in collaboration with corporate HR professionals to provide opportunity for the students to understand their level as in the real interviews conducted by the industries.
- It was suggested to organize internal workshops on “AI Prompt Engineering” specifically for core engineering students.

**Mr. M.Velmurugan, Batch: 2013-2017(ECE)**

- He appreciated the efforts taken for the suggestion given by him in the previous IQAC meeting held on 25<sup>th</sup> Jan 2025 in helping 113 students earn AWS Academy Machine Learning Foundation Certification. This achievement fostered hands-on learning and effectively aligned student competencies with current industry expectations.

**Mr.M.Abilash, Batch (2016-20) (EEE)**

- He appreciated the efforts taken by the SDG 1 & 2 team, particularly highlighting the 'Akshaya Patra – Feeding the Needy' initiative as a commendable contribution towards addressing hunger and promoting social responsibility among students.
- It was suggested to offer courses or conduct workshops on WebdriverIO for automation testing, to equip students with hands-on skills in modern test automation frameworks widely used in the software industry.
- It was recommended to conduct sessions on the efficient use of AI-powered code assistants such as GitHub, Copilot to enhance students coding efficiency.
- It was recommended to provide guidance and exposure for students from core engineering branches on exploring IT-related opportunities within core industries.

*A. Balu*  
30/6/25  
**IQAC COORDINATOR**

*A. Balu*  
30.6.25  
**IQAC CHAIR**  
**PRINCIPAL**  
**MANAKULA VINAYAGAR**  
**INSTITUTE OF TECHNOLOGY**  
**KALITHEERTHALKUPPAM**  
**PUDUCHERRY-605 107**

Copy to:

- ❖ HoDs of all departments
- ❖ All Deans
- ❖ IQAC members
- ❖ NAAC Criteria i/c's
- ❖ Office





# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY



An Autonomous Institution

Affiliated to Pondicherry University, Approved by AICTE, New Delhi,

Accredited by NAAC with 'A' Grade

Kalitheerthalkuppam, Puducherry- 605 107.

## INTERNAL QUALITY ASSURANCE CELL

### ATTENDANCE SHEET (MEETING WITH EXTERNAL MEMBERS)

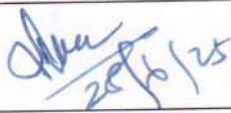
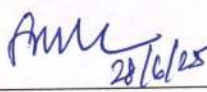
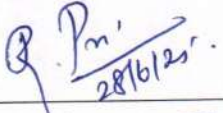
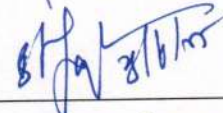

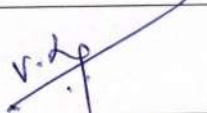
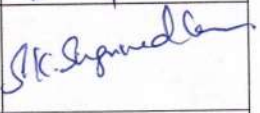


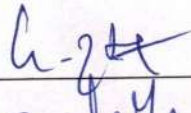
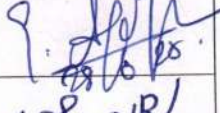
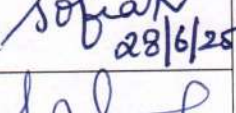
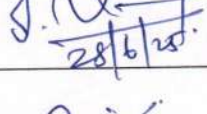
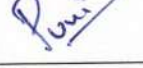
28.06.2025

S.No	Name and Designation of the Faculty	Role	Signature
1.	Dr. S. Malarkkan Principal	IQAC Chair	 28.6.25
2.	Dr. R. Valli R&D Head	IQAC Coordinator	 28/6/25
3.	Dr.N. Alagumurthi Professor Department of Mechanical Engineering Puducherry Technological University	Academic Peer	
4.	Mr.Subhash Chandra Bose Technical Head Shimano Singapore (P) Ltd Singapore	Industry Member	ONLINE
5.	Mr.S. Santoshkumar General Manager Vell Biscuits (P) Limited Puducherry	Industry Member	
6.	Mr.R. Samivel Assistant Manager Design L&T Rubber Processing Machinery Vedal Village Highway Kanchipuram, Tamilnadu	Industry Member	AB
7.	Ms. Nandhini Sr. Excecutive Officer Accounts & Finance TANFAC, Cuddalore	Industry Member	ONLINE



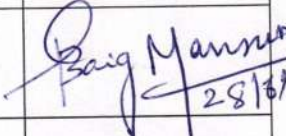
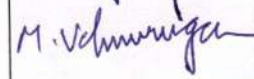
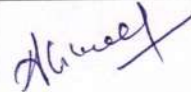
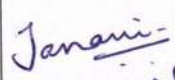
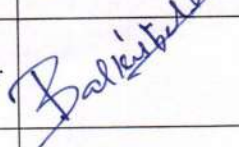

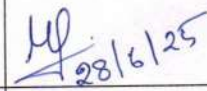


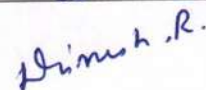


S.No	Name and Designation of the Faculty	Role	Signature
8.	Mr. Venkatesh Tekkala Deputy General Manager Plant Quality Head, Poclain Hydraulics (P) Ltd, Puducherry	Industry Member	ONLINE
9.	Dr.A.Thenmozhi Dean(Academic)	Member	A. Thenmozhi
10.	Dr.B. Radjaram Professor and Head/Mech	Member	B. Radjaram 28/6/25
11.	Dr.C.Shanmugasundaram Professor and Head/EEE	Member	C. Shanmugasundaram
12.	Dr. S. Arunmozhi Professor and Head/ECE	Member	S. Arunmozhi
13.	Dr. S. Pariselvam Professor and Head/CSE	Member	S. Pariselvam
14.	Dr.P. Sivakumar Professor and Head/IT	Member	P. Sivakumar 28.6.25
15.	Dr.V. Govindan Associate Professor and Head i/c /RA	Member	V. Govindan
16.	Mr.R.Raj Bharath Associate Professor and HoD i/c / AI & ML	Member	R. Raj Bharath
17.	Dr.N. Palanivel Professor & Head(i/c) /CSE(ICB)	Member	N. Palanivel
18.	Dr.D. Tiroutchelvame Associate Professor and Head/FT	Member	D. Tiroutchelvame
19.	Dr. P. Baskaran Professor and Head/MBA	Member	P. Baskaran 28/6/25
20.	Ms M.Sumithra First Year Coordinator	Member	M. Sumithra 28/6/25
21.	Dr.M.Jayekumar Placement Officer	Member	M. Jayekumar 28/6/25

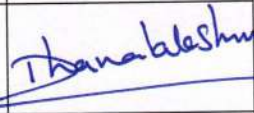



S.No	Name and Designation of the Faculty	Role	Signature
22.	Dr. Meiappan, Professor/IT Exam Cell Coordinator	Member	 28/6/25
23.	Dr.S.Vaidheeswaran Associate Professor/MBA, EDC Cell Coordinator	Member	 28/6/25
24.	Ms.R.Vithiya, AP/ECE	Member	— ABSENT —
25.	Mrs.R. Priya, AP/EEE	Member	 28/6/25
26.	Mr.B.Vasanth, AP/Mech	Member	 28/6/25
27.	Ms.Pesha, AP/RA	Member	 28/6/25
28.	Mr.V. Kumaraguru, AP/ICB	Member	 28/6/25
29.	Ms. S.K. Sugunedham, AP/AIML	Member	 28/6/25
30.	Mr. S.Ravichandran, AP/Maths	Member	 28/6/25
31.	Dr. R. Baghya Nisha, AP/FT	Member	 28/6/25
32.	Ms. G. Sharmila, AP / CSE	Member	 28/6/25
33.	Ms.G. Agalya, AP/MBA	Member	 28/6/25
34.	Dr. R. Sofia, AP/ECE	Member	 28/6/25
35.	Ms.I. Varalakshmi, AP/CSE	Member	 28/6/25
36.	Ms.A.Punitha, AP/IT	Member	 28/6/25



S.No	Name and Designation of the Faculty	Role	Signature
37.	Dr. K. Sethuraman, ASP/EEE	Member	
38.	Mr.A. Thiagarajan, AP/MECH	Member	
39.	Dr.Baig Mansur Ibrahim Associate Professor / MBA	Member	 28/6/25
40.	Mr. M.Velmurugan Batch: 2013-2017(ECE)	Alumni Member	
41.	Ms.SaiSaranya Batch: 2015-2019(CSE)	Alumni Member	ONLINE .
42.	Mr.M.Abilash, Batch (2016-20) (EEE)	Alumni Member	
43.	Mr.R.Dinesh Kumar Batch (2011-13) (MBA)	Alumni Member	AB
44.	Mr.A.Vijay Augustine Batch (2011-13) (MBA)	Alumni Member	AB
45.	Ms.P.Janani, III - ECE	Student Member	
46.	Ms. Balkis Bee, III - CSE	Student Member	
47.	Ms.N.Covya, III - IT	Student Member	
48.	Ms.M.Kowsika, III - EEE	Student Member	 28/6/25
49.	Mr.R.Kirubakaran, III – Mech	Student Member	
50.	Mr.L.M.R.Rangesh, III - RA	Student Member	
51.	Mr.R.Dinesh, III – FT	Student Member	



S.No	Name and Designation of the Faculty	Role	Signature
52.	Ms.A.Dhanalaxmi, III – ICB	Student Member	
53.	Mr.D.V.Chirahaas, III – AI&ML	Student Member	
54.	Ms,D.Lakshmipriya, I - MBA	Student Member	