



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)



**DEPARTMENT OF INSTRUMENTATION AND
CONTROL ENGINEERING**

**AUTOMATE THE FUTURE CLUB
ANNUAL REPORT
(ACADEMIC YEAR 2025-2026)**

Submitted by

Dr.K.Naveen Kumar

Associate professor

Faculty Coordinator



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PREFACE

The **Automate the Future Club** of the Department of Instrumentation and Control Engineering (ICE) at Sri Manakula Vinayagar Engineering College (SMVEC) stand as dynamic platforms dedicated to nurturing innovation, technical excellence, and professional growth among students. In an era driven by automation, artificial intelligence, smart systems, and advanced control technologies, these clubs aim to bridge the gap between academic learning and industrial application. The *Automate the Future Club* focuses on emerging trends in automation, robotics, industrial instrumentation, IoT, PLC & SCADA systems, and intelligent process control. It provides students with opportunities to engage in hands-on projects, workshops, technical talks, and industry interactions that prepare them for future technological challenges. The *ICON Club* (Instrumentation and Control Oriented Network) serves as a knowledge-sharing and leadership-building forum. It encourages creativity, research orientation, teamwork, and technical presentation skills through seminars, guest lectures, industrial visits, competitions, and mentoring activities. Together, these clubs cultivate a culture of curiosity, collaboration, and continuous learning within the ICE department. By empowering students with practical exposure and innovative thinking, they contribute to shaping competent engineers ready to “Automate the Future” and lead advancements in the field of instrumentation and control. Through dedication, teamwork, and vision, the clubs reflect the department’s commitment to academic excellence and technological leadership.

Faculty Coordinator

Dr.K.Naveen Kumar

HOD/ICE

Dr.P.Arunagiri

IQAC Coordinator

Dr.Arivalagar A A

Director Cum Principal

Dr.V.S.K.Venkatachalapathy



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ABOUT THE INSTITUTE

Sri Manakula Vinayaga Educational Trust was founded to provide quality and affordable education to the weaker sections of society. The trust established Sri Manakula Vinayagar Engineering College (SMVEC) in 1999. SMVEC is an autonomous institution affiliated to Pondicherry University. It offers 13 undergraduate, 8 postgraduate and 11 Research programs in engineering. SMVEC has been accredited by NAAC with “A” grade and NBA. The institution is also accredited by TATA consultancy services. The college has a good placement record with students getting job offers from top companies in India and abroad. SMVEC students have won many awards and accolades for their academic achievements. To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

VISION

To nurture the cornerstone of excellence in engineering education and drive innovation by seamlessly integrating the fundamentals of Science and Humanities

MISSION

M1: Quality Education : To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.

M2: Research and Innovation : To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship : To inculcate the employability and entrepreneurial skills through value and skill based training.

M4: Ethical Values : To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.



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ABOUT THE DEPARTMENT

The Department of Instrumentation and Control Engineering, established in 2002, stands as one of the best ICE colleges in Pondicherry & Tamilnadu, and a key part of the ICE colleges in Pondicherry landscape. With its second NBA certification, the department reflects unwavering commitment to academic excellence and global standards. For aspirants searching for top 10 ICE colleges in Pondicherry, SMVEC has consistently been a preferred choice.

Graduates from our department now hold executive positions at top companies like TCS, Wipro, and Microchip. This blend of computer science, electronics, and automation offers a unique mix, enhanced by semester-long lab sessions and a selection of value-added electives. Our students gain access to certifications from Google, Microsoft, and Cisco. They also benefit from hands-on learning opportunities via expert-led seminars and workshops. Whether you're evaluating ICE colleges in Pondicherry fees or comparing options among ICE engineering colleges in Tamilnadu, this department promises high value and great returns.

VISION

To provide high-quality education, training, and research in Instrumentation and Control Engineering syllabus that meets industrial and social needs while upholding strong ethical standards. Our aim is to remain a leader among the best instrumentation engineering colleges in Pondicherry and expand our recognition among ICE engineering colleges in Tamilnadu.

MISSION

M1: Quality education: To impart technical knowledge, leadership and managerial skills to meet the current industrial and societal needs.

M2: Research and Innovation: To foster innovation, research and development for the benefit of global community.

M3: Employability and Entrepreneurship: To enhance the employability skills and inculcate entrepreneurial attitude.

M4: Ethical Values: To provide extension services to rural society and instill ethical values among the students.



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ABOUT THE ICON CLUB

The **ICON Club** is a student-driven initiative established to promote **innovation, creativity, and outcome-based learning** among students. The club provides a dynamic platform for nurturing ideas, enhancing technical and professional skills, and encouraging students to transform innovative concepts into practical solutions.

The primary objective of the ICON Club is to develop **problem-solving abilities, leadership qualities, teamwork, and communication skills** through various academic and co-curricular activities. The club organizes workshops, seminars, technical talks, competitions, project expos, and interaction sessions with industry experts to expose students to current trends and real-world challenges.

ICON Club also emphasizes **interdisciplinary learning, entrepreneurship, and research orientation**, motivating students to engage in innovative projects, startup ideas, and socially relevant solutions. By fostering a culture of creativity and continuous learning, the club plays a vital role in shaping students into competent professionals and responsible innovators.

Overall, the ICON Club acts as a catalyst in empowering students to become **industry-ready, innovative, and socially conscious individuals**.

OBJECTIVE

The main goal of the Icon Club are as follows

- To promote **innovation and creative thinking** among students across disciplines.
- To encourage **outcome-based learning** through project development and problem-solving activities.
- To provide a platform for students to **share ideas, collaborate, and work in teams**.
- To enhance students' **technical, analytical, and critical-thinking skills**.
- To nurture **leadership, communication, and professional skills** among students.



DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
ICON CLUB

Academic Year 2025-2026

Name of the Activity : Robotics and IoT

Name of the Club : Icon Club

Date / Day of Activity : 19.08.2025

Number of Members Present : 1

Activity executed (Yr. /Sem/ Sec) : II/III SEM

Number of Students participated : 60

Objective of the Activity : To equip students with the knowledge and practical skills to design, develop, and integrate Robotics and IoT systems for smart automation and real-time monitoring applications.

Outcome of the Activity : Students will be able to build intelligent robotic systems integrated with IoT platforms for sensing, control, data communication, and automation in real-world environments.

Signature of club representative

Signature of staff In-Charge

Signature of HOD



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25
YEARS



**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
ICON CLUB**

Academic Year 2025-2026

CIRCULAR

SMVEC/ICE/2025-26/ODD 2025/CIR./CLUB/003

Date:17.08.2025

(For students)

Dear Students,

We are excited to invite you to our upcoming event, " Robotics and IoT," organized by the Icon club.

This session aims to provide insights into the fundamentals of **Robotics**, including sensors, actuators, microcontrollers, and robotic control systems, along with the concepts of **Internet of Things (IoT)** such as device connectivity, cloud integration, and real-time monitoring. The program will also demonstrate how Robotics and IoT can be integrated to develop intelligent automation systems for industrial and real-world applications.

Don't miss this opportunity to enhance your awareness, question what you see, and stay a step ahead in the age of AI!

Event Details:

Date: 19.08.2025

Time: 9.00 A.M

Venue: Simulation Lab

Signature of staff In-Charge

Signature of HOD



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OFFICE BEARERS

Icon Club is led by a dedicated team of office bearers who play a vital role in driving the club's activities and fostering a culture of innovation. The team typically includes a President, Vice President, Secretary, Treasurer, and Technical Leads, each bringing unique skills and responsibilities to the table. These office bearers coordinate workshops, manage resources, mentor junior members, and oversee project development. Their leadership ensures smooth operation of the club while encouraging creativity, collaboration, and hands-on learning in the field of robotics. Through their efforts, the club continues to be a hub of technical excellence and a launch pad for future innovators.

Faculty Coordinator : Mrs.T.Sudha,Assistant professor

President : Bhuvaneshwari D

Vice President : Hema V

Secretary : Harini T

Technical Head : Kishorika M

Creative Head : Misba Beebe Jaan.S



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DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
ICON CLUB

Academic Year 2025-2026

CLUB ACTIVITY REPORT

VENUE: IIIrd classroom

DATE: 19.08.2025

The club activity was successfully initiated by in charges: Mrs.T.Sudha & Mr.W.Godfrey Daniel



- Understand the basic architecture of robotic systems and IoT networks.
- Develop simple robotic prototypes with IoT connectivity.
- Implement remote monitoring and control using internet-based platforms.
- Apply automation concepts in industrial and smart environment applications.
- All interested students are encouraged to participate and make use of this opportunity to strengthen their technical and practical skills in emerging technologies.

Signature of staff In-Charge

Signature of HOD



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DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
ICON CLUB

Academic Year 2025-2026

Student Attendance



Sri Manakula Vinayagar Engineering College
Student Attendance Details

S. No.	Reg.No	Name of the Student	Attendance
1.	24ICL001	MIDHUN V	PRESENT
2.	24ICL002	RAAGHUL S	PRESENT
3.	24ICL003	THAANESHWAR M	PRESENT
4.	24UIC001	ADITHIYAN R	PRESENT
5.	24UIC002	AMIRTHAJEYASRI R	PRESENT
6.	24UIC003	ANUSHA N	PRESENT
7.	24UIC004	BHARATH RAM G	PRESENT
8.	24UIC005	BHUVANESH M	PRESENT
9.	24UIC006	BHUVANESHWARI D	PRESENT
10.	24UIC007	BHUVANESWARI P	PRESENT
11.	24UIC008	COVARTHANANE P	PRESENT
12.	24UIC009	DHARSHINI B	PRESENT
13.	24UIC010	DHIVAGAR D	PRESENT
14.	24UIC011	DHURAIRAJ P	PRESENT
15.	24UIC012	DIVYA J	PRESENT
16.	24UIC013	GOBINATH V	PRESENT
17.	24UIC014	GOKUL R	PRESENT
18.	24UIC015	HARINI T	PRESENT
19.	24UIC016	HEMA V	PRESENT
20.	24UIC017	HEMACHANDIRAN C	PRESENT
21.	24UIC018	ISRAEL PAUL AKASH A	PRESENT
22.	24UIC019	JAGADEESH KUMARAN K	PRESENT
23.	24UIC020	KAVIVENDHAN V	PRESENT
24.	24UIC021	KISHAN	PRESENT
25.	24UIC022	KISHORIKA M	PRESENT

26.	24UIC023	MISBA BEEBE JAAN.S	PRESENT
27.	24UIC024	MOHAMED JASIM M	PRESENT
28.	24UIC025	MOHANAPRIYA M	PRESENT
29.	24UIC026	MONISHA BAHIRATHAN	PRESENT
30.	24UIC027	MONISHA J	PRESENT
31.	24UIC028	MUKESHWARAN S	PRESENT
32.	24UIC029	PRAGATHI N	PRESENT
33.	24UIC030	PRANAY GURU G	PRESENT
34.	24UIC031	PRIYADHARSHAN R	PRESENT
35.	24UIC032	PRIYAN N	PRESENT
36.	24UIC033	RATHISH KUMAR S	PRESENT
37.	24UIC034	RAVIPRASATH S	PRESENT
38.	24UIC035	REVATHI K	PRESENT
39.	24UIC036	ROSHNI S	PRESENT
40.	24UIC037	SADHANA T	PRESENT
41.	24UIC038	SAMEERA S	PRESENT
42.	24UIC039	SANJAY K	PRESENT
43.	24UIC040	SEDHUPATHY D	PRESENT
44.	24UIC041	SHARULASKHMI K	PRESENT
45.	24UIC042	SIBIRAJ K	PRESENT
46.	24UIC043	SIVASHANMUGA YUDES.H.S	PRESENT
47.	24UIC044	SIVASUDHAN S	PRESENT
48.	24UIC045	SORNALAKSHMI C	PRESENT
49.	24UIC046	SRIGANISH P	PRESENT
50.	24UIC047	SRIKUMARAN G	PRESENT
51.	24UIC048	SUBASH S	PRESENT
52.	24UIC049	SUDHARSHAN V	PRESENT
53.	24UIC050	SURYA R	PRESENT
54.	24UIC051	SUTHARSAN S	PRESENT
55.	24UIC052	TARUN SARATHEE K	PRESENT
56.	24UIC053	UGESH M	PRESENT
57.	24UIC054	VISHAL K	PRESENT
58.	24UIC055	VISHAL R	PRESENT
59.	24UIC056	VISHWAJETH S	PRESENT
60.	24UIC057	YOGETHAA I	PRESENT
No.of Students Present			60
No.of Students Absent			Nil



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ICON CLUB

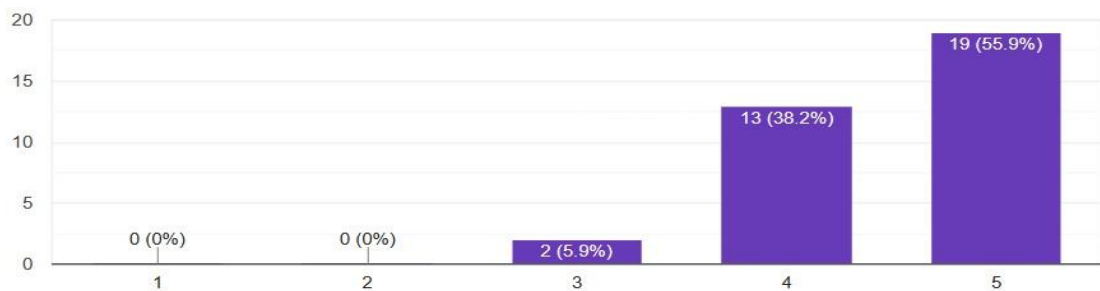
Academic Year 2025-2026

STUDENT FEEDBACK

How satisfied were you with the club activity?

Copy

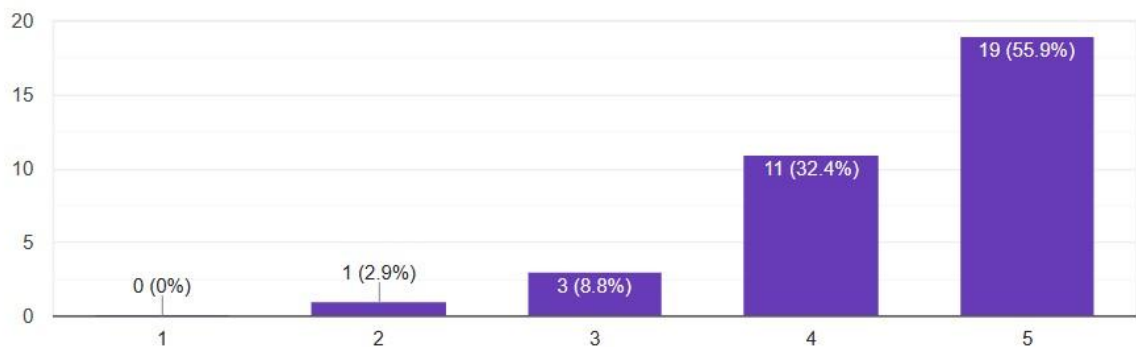
34 responses



How relevant and helpful do you think it was to your field of interest?

Copy

34 responses



What did you like the most about the club activity?

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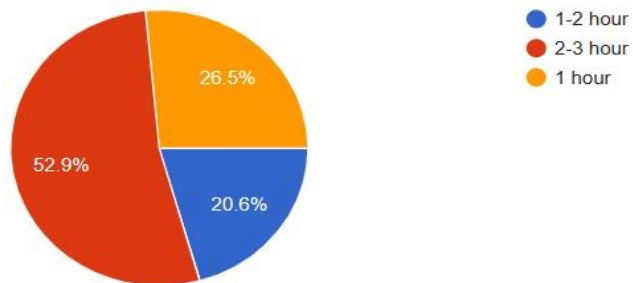
34 responses



How much time do you want to spend typically on the club activity?

 Copy

34 responses



What are your goals on participating in this club activity?

 Copy

34 responses

