



**SRI MANAKULA VINAYAGAR**  
**ENGINEERING COLLEGE**  
(AN AUTONOMOUS INSTITUTION)



**DEPARTMENT OF INSTRUMENTATION AND  
CONTROL ENGINEERING**

**AUTOMATE THE FUTURE CLUB  
ANNUAL REPORT  
(ACADEMIC YEAR 2023-2024)**

**Submitted by**

**Dr.M.Rekha**

**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.M.Rekha**

**HOD/ICE**

**Dr.L.M.Varalakshmi**

**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 AUTOMATE THE FUTURE CLUB

The **Automate the Future Club** is a student-centric technical club established with the vision of promoting knowledge, innovation, and hands-on learning in the field of **automation and emerging technologies**. The club serves as a platform for students to explore, design, and implement intelligent systems that align with modern industrial and societal needs.

The club focuses on bridging the gap between theoretical concepts and practical applications by encouraging experiential learning through workshops, technical talks, hands-on training sessions, industrial visits, and project-based activities. Emphasis is given to areas such as **industrial automation, embedded systems, robotics, IoT, artificial intelligence, and smart control technologies**.

Automate the Future Club also nurtures **innovation, entrepreneurship, and problem-solving skills** by motivating students to develop real-time solutions, participate in competitions, and engage in interdisciplinary teamwork. Through its activities, the club aims to enhance technical competence, creativity, leadership qualities, and industry readiness among students.

Overall, the Automate the Future Club plays a significant role in preparing students to meet future technological challenges and contribute effectively to the advancement of automation-driven industries.

## OBJECTIVE:

The Primary goal of automate the future club are as follows

- To promote awareness and understanding of **automation, control systems, and emerging technologies** among students.
- To bridge the gap between **theoretical knowledge and practical implementation** through hands-on training, workshops, and projects.
- To develop students' skills in **industrial automation, embedded systems, robotics, IoT, and intelligent control techniques**.
- To encourage **innovation, creativity, and problem-solving abilities** by working on real-time and industry-relevant challenges.
  
- To provide a platform for students to **collaborate, share ideas, and engage in interdisciplinary learning**.



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**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**  
**AUTOMATE THE FUTURE CLUB**

**Academic Year 2023-2024**

Name of the Activity : Identify AI-generated fake images.  
Name of the Club : Automate the Future Club  
Date / Day of Activity : 22.06.2024  
Number of Members Present : 2  
Activity executed (Yr. /Sem/ Sec) : II/III SEM  
Number of Students participated : 49  
Objective of the Activity : Identify AI-generated fake images.  
Outcome of the Activity : Detect and analyze image authenticity.

**Signature of club representative**

**Signature of staff In-Charge**

**Signature of HOD**



**SRI MANAKULA VINAYAGAR**  
ENGINEERING COLLEGE  
(AN AUTONOMOUS INSTITUTION)

25  
YEAR



**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**  
**AUTOMATE THE FUTURE CLUB**

**Academic Year 2023-2024**

**CIRCULAR**

**SMVEC/ICE/2023-24/ODD 2024/CIR./CLUB/001**

**Date: 22.06.2024**

**(For students)**

Dear Students,

We are excited to invite you to our upcoming event, "Identify AI-generated fake images," organized by the Automate the Future club. This interactive session is designed to sharpen your digital literacy and equip you with essential skills to identify AI-generated fake images in today's media-rich world.

Join us to uncover the techniques used to detect fake visuals, explore real-world examples, and engage in eye-opening activities that blend technology with critical thinking.

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:** 22.06.2024

**Time:** 3.00 P.M

**Venue:** Ilyr classroom

A handwritten signature in blue ink, appearing to be "Ruh".

**Signature of staff In-Charge**

A handwritten signature in blue ink, appearing to be "A".

**Signature of HOD**

## **OFFICE BEARERS**

Automate the Future 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 : Dr.M.Rekha,Associate professor**

**President : S.Atchaya,III year**

**Vice President : R.Gokulram,III year**

**Secretary : K.Jenitha,III year**

**Technical Head : A.Sobanasri,III year**

**Creative Head : SM.Snehaasree,III year**



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**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**  
**AUTOMATE THE FUTURE CLUB**

**Academic Year 2023-2024**

**CLUB ACTIVITY REPORT**

**VENUE:** II<sup>nd</sup> classroom

**DATE:** 22.06.2024

The club activity was successfully initiated by in charges: Dr.M.Rekha & Ms.C.Muthu Praba



- Students gained practical knowledge of AI-generated imagery and learned to identify visual cues that distinguish fake photos from real ones.
- Hands-on analysis and spotting challenges promoted active learning, enabling participants to evaluate and verify digital content critically.
- The event sparked curiosity about AI and digital ethics, encouraging students to think critically and responsibly in the age of synthetic media.



**Madagadipet, Puducherry, India**  
Wj7p+258, Madugarai Rd, Madagadipet, Puducherry 605106, India  
Lat 11.912516° Long 79.635299°  
26/07/2025 03:36 PM GMT +05:30



**Madagadipet, Puducherry, India**  
Wj7p+258, Madugarai Rd, Madagadipet, Puducherry 605106, India  
Lat 11.912487° Long 79.63522°  
26/07/2025 03:35 PM GMT +05:30

**Signature of staff In-Charge**

**Signature of HOD**



**SRI MANAKULA VINAYAGAR**  
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25  
YEARS



**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**  
**AUTOMATE THE FUTURE CLUB**

**Academic Year 2023-2024**

**Student Attendance**



**Sri Manakula Vinayagar Engineering College**  
**Student Attendance Details**

**Course :B.TECH**  
**Date : 28/12/2024**  
**Period :Period7**

**Department :ICE - Instrumentation and Control Engineering**  
**WeekDay :Saturday**  
**Section :A Section**

**Subject Type:**Mandatory

**Batch :**2023 - 2027 **Staff :**SUDHA.T.

**Subject :**Right to Information and Good Governance

**Heading :**Club Activity-Aptitude

S.No.	Reg. No.	Name	Attendance
1	23ICL001	NIRMALA S	P
2	23ICL002	SANJEEVIRAJ V	P
3	23UIC001	ABDUL FAISALA	P
4	23UIC002	ABDUL FAZIL J	P
5	23UIC004	AFREEN N	P
6	23UIC005	AJAIPRABU S	Absent *
7	23UIC006	AKASH C	P
8	23UIC007	AMEERA KATHIJA M	P
9	23UIC008	ARAVIND KRISHNA S	P
10	23UIC009	ATCHAYA S	P
11	23UIC010	BALAJI K	Absent *
12	23UIC011	BAVADHARANI R	P
13	23UIC012	DHARANI M	P
14	23UIC013	DHARSHINI R	Absent *
15	23UIC014	DHIVAGER S	P
16	23UIC015	GOKULRAM R	Absent *
17	23UIC016	HARINI G	P
18	23UIC017	HEMANRAJ A	P
19	23UIC018	JAYADEVATHA S	P
20	23UIC019	JENITHA K	P
21	23UIC020	JITAVARI V A	P
22	23UIC021	KAAVYA S	P
23	23UIC022	KADIRAVAN G	P



## Sri Manakula Vinayagar Engineering College Student Attendance Details

24	23UIC023	KANMANI B	P	
25	23UIC024	KEERTHANA M	P	
26	23UIC025	KEERTHANA M	P	
27	23UIC026	LAWANYA SRI V	P	
28	23UIC027	MANIKANDAN B	P	
29	23UIC028	MOHAMED SHAMITH	P	
30	23UIC029	MOHAMMED ABDUL KHADER M	P	
31	23UIC030	MOHAMMED FARIS B	Absent	*
32	23UIC031	NAVEEN RAJAA P	P	
33	23UIC032	NIRUPAMA K	P	
34	23UIC033	NISHANT S	P	
35	23UIC034	NIVEDHA M	P	
36	23UIC035	PRIYADHARSHNI K	P	
37	23UIC036	ROHITHKUMAR S	P	
38	23UIC037	SAMUVALE P	P	
39	23UIC038	SANJAY D	P	
40	23UIC039	SANJAY G	P	
41	23UIC040	SIVADHARSHINI A	P	
42	23UIC041	SNEHAASREE S M	P	
43	23UIC042	SOBANASRI A	P	
44	23UIC043	SUBASH V	P	
45	23UIC044	SURIYAPRAGASH J S	P	
46	23UIC045	SWETHA S	P	
47	23UIC046	SWETHAA P	P	
48	23UIC047	VIDYA V	P	
49	23UIC048	VIGNESHWAR R	P	
50	23UIC049	VISHWA V	P	



**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**  
**AUTOMATE THE FUTURE CLUB**

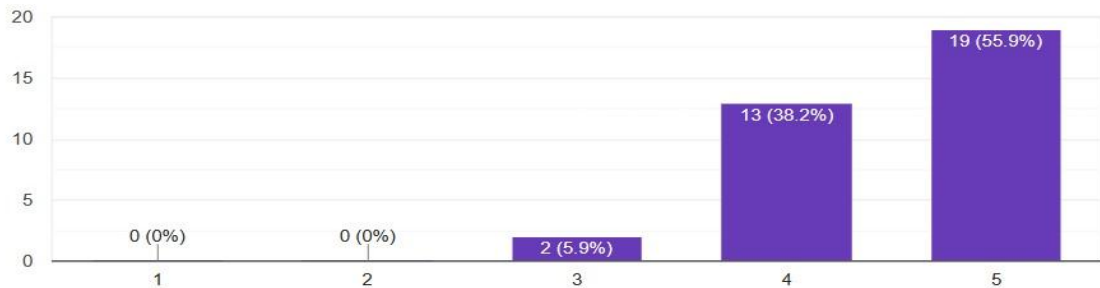
**Academic Year 2023-2024**

**STUDENT FEEDBACK**

How satisfied were you with the club activity?

Copy

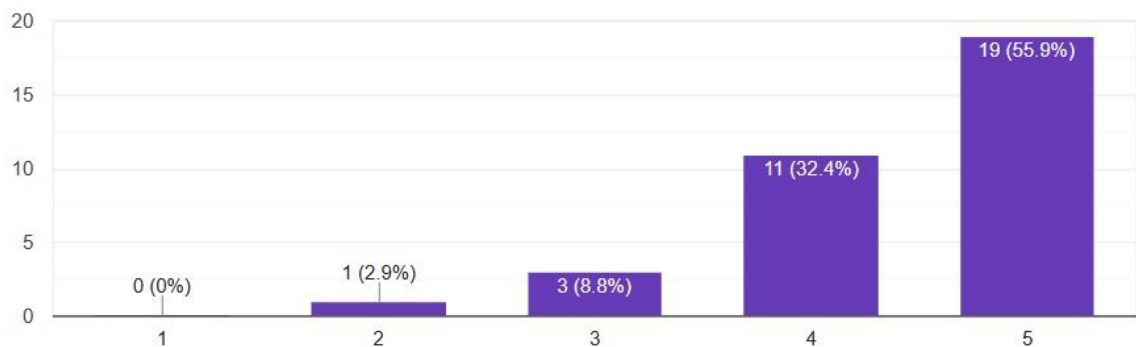
34 responses



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?

 Copy

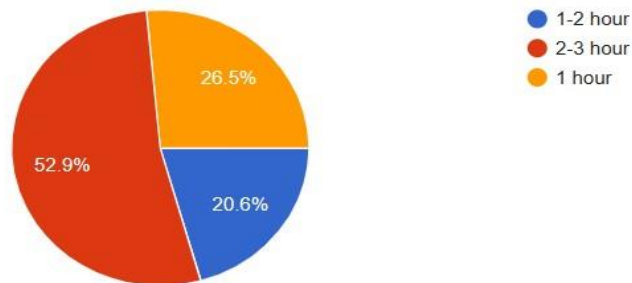
34 responses



### 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

