



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



## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **IETE STUDENT FORUM (ISF)**

# **ANNUAL REPORT-2023-24**



#### **SUBMITTED BY**

**Dr.N. Saranya**  
Assistant Professor /IETE Student Forum Coordinator  
Department of Electronics and Communication Engineering  
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Puducherry-605 107



isf\_ece\_smvec



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## ABOUT THE INSTITUTION

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 a variety of undergraduate, postgraduate, and 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.



### **Vission :**

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

### **Mission:**

**M1:** Quality Education: To provide a 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 to create intellectuals with new avenues.

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

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

# ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering is a top-notch department that offers high-quality UG, PG and PhD programs. The UG program B.Tech - Electronics and Communication Engineering is accredited by the National Accreditation Board, AICTE-New Delhi, and has a placement record of over 80%. The department's graduates are highly sought-after by employers in the Electronics and Communication sector. Our department contributes significantly to achieving the national objective of envisioning the world with a clear and deep commitment and a sincere desire to meet the expectations of a rising, fast-developing technology.



## Vision

Facilitate academic excellence and research among Electronics and Communication Engineers to meet the global needs with high competence and ethical professionalism.

## Mission

- **Academic Excellence:** To impart learning skills to meet the global challenges in the field of Electronics and Communication Engineering.
- **Research and Innovation:** To provide excellence in research and innovation through multidisciplinary specialization.
- **Employability and Entrepreneurship:** To enhance inter and intra personal skills to make them employable and entrepreneurs.
- **Ethics:** To inculcate the significance of human values and professional skills to serve the society.

## Programme Offered

- B.Tech - Electronics and Communication Engineering
- M.Tech - Electronics and Communication Engineering
- M.Tech - VLSI & Embedded Systems
- Ph.D - Electronics and Communication Engineering



# ABOUT IETE STUDENT FORUM

The Institution of Electronics and Telecommunication Engineers (IETE), founded in 1953, is one of the leading professional societies in India. Guided by the vision of its founders and subsequent leaders, IETE has been dedicated to advancing science and technology in the fields of Electronics, Communication Engineering, Computer Science, Information Technology, and other related subjects.

The IETE Student Forum (ISF) at the Department of Electronics and Communication Engineering (ECE) of Sri Manakula Vinayagar Engineering College was inaugurated on October 18th, 2021, by Dr. P. Raja, Professor and Head of the Department of ECE. The ISF boasts a membership of 71 active students who are engaged in various professional activities. The main objective of the ISF is to enrich students' knowledge by planning and organizing technical programs, special lectures, workshops, seminars, symposia, and exhibitions, all designed to benefit the students.

Additionally, the ISF provides a common platform for students to exchange ideas on technical topics of interest, such as curriculum development, employment opportunities, higher educational pathways, and emerging technological trends. This platform facilitates discussions and collaborations that are crucial for students' professional growth and development.

Ultimately, the ISF acts as a catalyst for the overall growth of technical and professional skills in young students, ensuring they are well-equipped to meet the challenges of the ever-evolving technological world. This initiative highlights the institution's commitment to developing competent and confident professionals who will contribute significantly to their respective fields.

## OPPORTUNITIES

Improving standard of Engineering Education and Counselling the students in the emerging new opportunities.

## ENCOURAGING

Encouraging and motivating the outside Class room study/Workshops/projects/Seminars.

## ORGANIZE

Increasing the student base and corporate membership of IETE. To plan, organize technical programs, Special lectures, Workshops, Seminars, Symposia, exhibitions for the benefit of students

# OBJECTIVES OF ISF

## IDEA EXCHANGE

To provide a common platform for students to exchange ideas in technical topics of interest, e.g., curriculum, employment, higher educational opportunities, emerging trends, etc.

## INDUSTRY-ACADEMIA

To facilitate technical visits, project works, employment, contact with industries and academic institutions.

## PROFESSIONAL SKILLS

Encourage team spirit and self-reliance among student members. ISF should be a catalyst for the overall growth in technical and professional skills for young students.

# ISF OFFICE BEARER



**DR. P. RAJA**

Professor & Head

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**CONVENOR-ISF**

**DR. N.SARANYA**

Assistant Professor

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**COORDINATOR**



**J.AGALYA**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**ISF STUDENT PRESIDENT**

**ISF STUDENT PRESIDENT**

**ANANTANARAYANAN.R**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



# ISF OFFICE BEARER



**HARINE.R**

UG Student

II Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**SECRETARY**

**SECRETARY**

**NIRANJAN.P**

UG Student

II Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



**SWATHI.S**

UG Student

II-year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**JOINT-SECRETARY**



**JOINT-SECRETARY**

**YOKESHWAR.J**

UG Student

II-Yeat

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



# ISF OFFICE BEARER



**SANKARI.G**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**TREASURER**

**TREASURER**

**SAKTHIPRIYA.K**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



**DEEPAKRAJ.S**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**ASST.TREASURER HEAD**



**ASST.TREASURER HEAD**

**RUBIKA SHAKTHI.P**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



# ISF OFFICE BEARER



**DHARSINI.M.R**

UG Student

II Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**TECHNICAL HEAD**

**TECHNICAL HEAD**

**MOHAMED SIDDIQ.R**

UG Student

II Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



**AISHWARYA.V**

UG Student

II- Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**ASST. TECHNICAL HEAD**

**ASST. TECHNICAL HEAD**

**JAYASRI K**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



# ISF OFFICE BEARER



**YUVARAJ.K**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**ORGANIZING HEAD**

**TREASURER**

**KOUSALYA.P**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



**ASST. ORGANIZING HEAD**



**GURUNARAYANA.S**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

**PUBLICITY HEAD**

**DHIVYA LAKSHMI.V**

UG Student

II-Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



# ISF OFFICE BEARER



## **PUBLICITY HEAD**

**SARAVANAN.G**

UG Student

II Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



## **CREATIVE HEAD**

**SIVAHARI.S**

UG Student

II Year

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



## **CREATIVE HEAD**

**NANDIKA VARDHINI.I**

UG Student

III-A

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry

## **ASST. CREATIVE HEAD**

**MEENA.A**

UG Student

III-B

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College, Puducherry



# Members

## ACTIVE STUDENT MEMBERSHIP IN 2021-2025 BATCH: 18

Name of the Student	Year/Sem	Batch
ASHWATI KRISHNA	III/VI	2021-2025
BHAVYA.P	III/VI	2021-2025
DHARSHINI M R	III/VI	2021-2025
KAMALI.K	III/VI	2021-2025
KEERTHISHA.V	III/VI	2021-2025
KOWSALYA K	III/VI	2021-2025
MRIDHU MALYA K I	III/VI	2021-2025
NANDHINI M	III/VI	2021-2025
PAVITHRAKALA N	III/VI	2021-2025
PRETHICKSHA.R	III/VI	2021-2025
RITHIGA K	III/VI	2021-2025
SANKARI G	III/VI	2021-2025
SANTHIYA.B	III/VI	2021-2025
SHIRISH.S	III/VI	2021-2025
SNEKHA.S	III/VI	2021-2025
SUBATHRA S	III/VI	2021-2025
SWETHAA VB	III/VI	2021-2025
VANAJA.M	III/VI	2021-2025

## ACTIVE STUDENT MEMBERSHIP IN 2022-2026 BATCH: 53

S.No	Name of the Student	Year/Sem	Batch
1.	AAISHA SHAHANI	II/III	2022-2026
2.	AGALYA J	II/III	2022-2026
3.	AISHWARYA V	II/III	2022-2026
4.	ANANTANARAYANAN R	II/III	2022-2026
5.	ANUMITHA G	II/III	2022-2026
6.	BALAMURUGAN.J	II/III	2022-2026
7.	DEEPAKRAJ S	II/III	2022-2026
8.	DHARSHINI T	II/III	2022-2026
9.	DHAYANANDHAM.A	II/III	2022-2026
10.	DHIVYA LAKSHMI.V	II/III	2022-2026
11.	FOUZIYA BEGUM	II/III	2022-2026
12.	GUNAL P	II/III	2022-2026
13.	GURUNARAYANA S	II/III	2022-2026
14.	HARINI K	II/III	2022-2026
15.	HARINIVASINI.P	II/III	2022-2026
16.	ILAKIYA.J.G	II/III	2022-2026
17.	JAYASRI K	II/III	2022-2026
18.	JENIFER SANDIER.M	II/III	2022-2026
19.	KIRUTHIKA S	II/III	2022-2026
20.	KOUSALYA P	II/III	2022-2026
21.	KOWSALYA V	II/III	2022-2026
22.	KRITHIKA.S	II/III	2022-2026
23.	KUGAN T	II/III	2022-2026

# Members

## ACTIVE STUDENT MEMBERSHIP IN 2022-2026 BATCH: 53

S. No	Name of the Student	Year/Sem	Batch
1.	MANISHA K	II/III	2022-2026
2.	MEENA. A	II/III	2022-2026
3.	MOHAMED SIDDIQ.R	II/III	2022-2026
4.	MONICA MUTHU.P	II/III	2022-2026
5.	MONICA.S	II/III	2022-2026
6.	NANDHIKA VARDHINI	II/III	2022-2026
7.	NAVEENKAMAL C	II/III	2022-2026
8.	NIRANJAN.P.G	II/III	2022-2026
9.	PRATIBHA. P	II/III	2022-2026
10.	PRAVEEN KUMAR B	II/III	2022-2026
11.	PRAVEEN.D	II/III	2022-2026
12.	RAMYA SRI . T	II/III	2022-2026
13.	ROHITH KISHORE.P.C	II/III	2022-2026
14.	RUBIKA SAKTHI B	II/III	2022-2026
15.	SAKTHIPRIYA	II/III	2022-2026
16.	SANDHYAA K	II/III	2022-2026
17.	SANJAY P	II/III	2022-2026
18.	SARAVANAN.G	II/III	2022-2026
19.	SHALIDEEN K	II/III	2022-2026
20.	SHIVAHARI.S	II/III	2022-2026
21.	SHIVSHARAN N	II/III	2022-2026
22.	SUBHIKSHA K	II/III	2022-2026
23.	SWATHI S	II/III	2022-2026
24.	THEJESHWAAANE J. S	II/III	2022-2026

# Members

## ACTIVE STUDENT MEMBERSHIP IN 2022-2026 BATCH: 53

S. No	Name of the Student	Year/Sem	Batch
25.	VINODH R	II/III	2022-2026
26.	VISHALINI. K	II/III	2022-2026
27.	YOKESHWAR J	II/III	2022-2026
28.	YUVANESH BALAJI M	II/III	2022-2026
29.	YUVARAJ K	II/III	2022-2026
30.	YUVASHREE.G	II/III	2022-2026

# Li-Fi Technology



Li-Fi (Light Fidelity) technology is a wireless communication technology that utilizes light to transmit data. The term was first introduced by Harald Haas during a 2011 TED Global talk in Edinburgh. Li-Fi is a light communication system that is capable of transmitting data at high speeds over the visible light, ultraviolet, and infrared spectrums. In its present state, only LED lamps can be used for the transmission of data in visible light.



**Light as a Medium:** Li-Fi uses visible light or infrared light for data transmission instead of traditional radio frequencies used in Wi-Fi.

**Speed and Capacity:** Li-Fi has the potential to offer much higher data speeds than Wi-Fi, theoretically reaching speeds of several gigabits per second.

**Security:** Since light does not penetrate through walls like radio waves do, Li-Fi can be more secure from external eavesdropping. However, this also means it has limited range and requires direct line-of-sight between the transmitter and receiver.

**Applications:** Li-Fi can be used in environments where radio frequency interference is an issue, such as in hospitals, aircraft cabins, and nuclear power plants. It can also complement existing Wi-Fi networks to offload data traffic.



## *Li-Fi technology has various potential applications*

Li-Fi can be used to provide high-speed internet access in indoor environments such as offices, homes, hospitals, and schools. It can complement existing Wi-Fi networks by offloading data traffic or providing connectivity in areas where radio frequency interference is a concern.

2.V

# Future of Home Automation

In recent years, home automation has emerged as a revolutionary trend in modern living, transforming traditional houses into smart homes equipped with cutting-edge technology. This shift not only enhances convenience and security but also promotes energy efficiency, making it an attractive option for homeowners worldwide.



Home automation refers to the use of technology to control various household functions and devices automatically. This can include lighting, heating, air conditioning, security systems, appliances, and entertainment systems. Through a centralized system, often accessible via a smartphone app or voice command, users can manage and monitor their home environment with ease.

While home automation offers numerous advantages, there are challenges to consider. Privacy and security concerns arise as more devices are connected to the internet, potentially exposing homes to cyber threats. Additionally, the initial cost of setting up a smart home can be high, although the long-term savings and benefits often outweigh these costs.

The future of home automation is promising, with advancements in artificial intelligence and the Internet of Things (IoT) paving the way for more sophisticated and integrated systems. As technology continues to evolve, smart homes will become more intuitive, making everyday living even more seamless and efficient.



## Benefits of Home Automation

- **Convenience:** Automating routine tasks saves time and effort, allowing homeowners to focus on more important activities.
- **Energy Efficiency:** Smart systems optimize the use of energy, reducing waste and lowering utility bills. For example, smart thermostats can adjust heating and cooling based on occupancy patterns.
- **Enhanced Security:** With real-time alerts and remote monitoring, homeowners can feel more secure, knowing they can check on their property at any time.

# Artificial Intelligence (AI)

Artificial Intelligence (AI) revolutionizes industries by mimicking human cognitive functions, enabling machines to learn, reason, and solve problems independently. From virtual assistants like Siri to advanced robotics in manufacturing, AI's applications continue to expand, enhancing efficiency and innovation. Its algorithms analyze vast datasets to predict trends, optimize processes, and personalize user experiences across various sectors. As AI evolves, ethical considerations regarding privacy, bias, and job displacement remain critical topics for global discourse and regulation



Artificial Intelligence (AI) is a branch of computer science that aims to create machines capable of intelligent behavior. It encompasses a wide range of techniques and methodologies, all geared towards enabling machines to simulate human-like cognitive functions such as learning, reasoning, problem-solving, perception, and language understanding

Several core techniques and approaches enable AI systems to learn and make decisions: **Machine Learning:** A subset of AI that enables systems to learn from data and improve over time without being explicitly programmed. Techniques such as supervised learning, unsupervised learning, and reinforcement learning are commonly used in machine learning.

**Deep Learning:** A specialized field within machine learning that uses neural networks with many layers (hence "deep") to model complex patterns in large amounts of data. Deep learning has achieved remarkable success in tasks such as image and speech recognition.

**Natural Language Processing (NLP):** NLP focuses on enabling machines to understand, interpret, and generate human language in a way that is meaningful.



## Future Directions

- The future of AI promises further advancements in both narrow and general AI capabilities. Researchers continue to explore new techniques, such as explainable AI (making AI's decisions more transparent), AI ethics frameworks, and AI-driven creativity.
- In summary, AI represents a transformative force in technology, with applications spanning numerous domains and impacting society in profound ways. As research and development in AI continue to accelerate, it is crucial to navigate its opportunities and challenges thoughtfully and ethically.

# Haptic Technology

Haptic technology, a burgeoning field, is revolutionizing human-computer interaction by introducing the sense of touch into digital experiences. Beyond mere visual and auditory stimuli, haptics provide a tangible connection, making interactions more immersive, intuitive, and engaging.



Haptic feedback is created by stimulating the sense of touch through various actuators. These devices can generate vibrations, forces, or motions, mimicking real-world sensations. Common types of haptic actuators include:

- **Linear Resonant Actuators (LRAs):** These produce vibrations by rapidly moving a mass back and forth. They are widely used in smartphones and game controllers for providing subtle feedback.
- **Electromagnetic Actuators:** These generate force through magnetic fields. They are capable of producing stronger and more precise haptic effects, making them suitable for applications like robotics and surgical simulators.

**Piezoelectric Actuators:** Using the piezoelectric effect, these actuators convert electrical energy into mechanical energy, producing vibrations or displacements. They are often used in haptic gloves and wearable devices



## The Future of Haptic Technology

Haptic technology is rapidly transforming the way we interact with technology. By engaging the sense of touch, it creates more intuitive, immersive, and enjoyable experiences. As research and development in this field continue to progress, we can anticipate even more groundbreaking applications that will shape the future of human-computer interaction

# Future of Quantum Computing in Communication Systems

Quantum computing, a revolutionary advancement in the field of computational science, holds immense promise for transforming communication systems. By leveraging the principles of quantum mechanics, quantum computing aims to solve complex problems at unprecedented speeds, potentially leading to significant advancements in secure communication, data processing, and network optimization. This article delves into the future prospects of quantum computing in communication systems, exploring its potential benefits, challenges, and applications.



Quantum computing differs fundamentally from classical computing. While classical computers use bits to represent information as 0s or 1s, quantum computers use quantum bits, or qubits. Qubits can exist in multiple states simultaneously thanks to the principles of superposition and entanglement. This allows quantum computers to process a vast amount of data in parallel, making them exceptionally powerful for specific types of calculations.

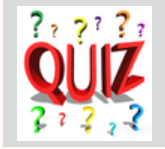
QKD is already being tested and implemented in various parts of the world. For instance, China has launched the world's first quantum satellite, Micius, which successfully demonstrated QKD between ground stations thousands of kilometers apart. This technology ensures secure communication channels, crucial for sensitive data transmission in government, military, and financial sectors.



## Future Prospects

**Quantum Internet:** Researchers are working towards creating a quantum internet, where quantum information can be transmitted over long distances using quantum repeaters and entanglement swapping. This would enable ultra-secure communication channels and facilitate the development of new communication protocols.

# TECHBIZ- Quiz and Aptitude Competition



**Date : 27.02.2024**

**Year / Sem / Sec : II & III Year**

**Event Name : TECHBIZ- Quiz and Aptitude competition**

**Number of Beneficiary : 85**

## *Brief About the Event:*

The TECHBIZ Technical Quiz and Aptitude Competition was a thrilling showcase of intellect and skill, with a total of 85 active participants from the second and third years. The competition kicked off with a rigorous first round, where all participants tackled 25 challenging questions spanning electronics, communication, electronics engineering, current affairs, general knowledge, and aptitude. Following this initial test, the top 25 performers advanced to the second round, facing another set of 25 questions within a tight 30-minute timeframe. The atmosphere buzzed with anticipation and concentration as participants demonstrated their expertise and problem-solving prowess.

## **OBJECTIVE :**

- Provide a dynamic platform for individuals to test and expand their technical knowledge and aptitude.
- Cultivate a collaborative environment where participants can engage with challenging quizzes and problems.
- Foster personal growth by encouraging participants to push their boundaries and explore new concepts.
- Recognize and celebrate individual achievements in technical proficiency and problem-solving prowess.
- Inspire a passion for innovation and creativity by showcasing real-world applications of technical expertise.
- Create a supportive space for individuals to learn, grow, and excel in their chosen fields.

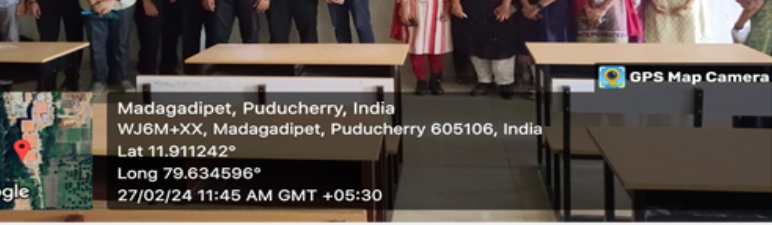
The poster is for the TECHBIZ 2K24 Quiz & Aptitude Event. It features a purple and red color scheme. At the top, it says 'SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE (AN AUTONOMOUS INSTITUTION) PUDUCHERRY - 605107'. Below that, it mentions 'DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING' and 'IETE STUDENTS FORUM - ISF PRESENTS'. The main title is 'TECHBIZ 2K24' in large, bold letters. Underneath, it says 'TEST YOUR KNOWLEDGE IN THE QUIZ & APPTITUDE EVENT'. There are three bullet points: 'FREE ENTRY', 'THE TOP 3 WINNERS WILL BE AWARDED', and 'CERTIFICATE WILL BE PROVIDED FOR PARTICIPATION AND WINNING'. A QR code is present with the text 'SCAN QR CODE TO REGISTER'. At the bottom, it says '26 FEBRUARY 2024' and 'VENUE: DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING'. There is also a section for 'EVENT ORGANISERS' and 'STAFF INCHARGE'.

**EVENT ORGANISERS**  
MOHAMMAD SIDDIQ R - II YEAR  
+91 6369 638 814  
NIRANJAN P.G - II YEAR  
+91 93451 78688

**STAFF INCHARGE**  
Dr. N. SARANYA  
ISF FACULTY ADVISOR  
+91 95453 76257

**26 FEBRUARY 2024**  
VENUE: DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

After meticulous evaluation, the winners emerged, with Mohamed Sadiq.M, Durvishraja.N, and Srinidhi.S clinching the top three spots in the first-year category. Meanwhile, Sanjai.P, Sreeram, and Yaagathepan stood out as the brightest stars among their second-year peers, securing the top three positions with remarkable scores. The event not only celebrated academic excellence but also fostered camaraderie and healthy competition among participants. Their feedback provided valuable insights, ensuring future editions of TECHBIZ continue to inspire, challenge, and empower budding technocrats and problem solvers.



# TECHBIZ 2K24

27.02.2024



ENGINEERING  
IETE STUDENTS FORUM - ISF  
PRESENTS

## TECHBIZ 2K24

TEST YOUR KNOWLEDGE IN THE  
QUIZ & APTITUDE EVENT

- FREE ENTRY
- THE TOP 3 WINNERS WILL BE AWARDED
- CERTIFICATE WILL BE PROVIDED FOR PARTICIPATION AND WINNING

**EVENT ORGANISERS**  
MOHAMMAD SIDDIQ R - II YEAR  
+91 6369 638 814  
NIRANJAN P.G - II YEAR  
+91 93451 78688

**STAFF INCHARGE**  
Dr. N. SARANYA  
ISF FACULTY ADVISOR  
+91 93453 76257

SCAN QR CODE TO REGISTER



## OUTCOMES

- Participants had the opportunity to enhance their technical knowledge and problem-solving abilities through engaging quizzes covering various disciplines such as electronics, communication, electronics engineering, and general aptitude.
- The event fostered a healthy spirit of competition among participants, encouraging them to strive for excellence and push their boundaries to perform their best
- The top performers were recognized and awarded for their outstanding achievements, motivating them to continue pursuing excellence in their academic and professional endeavors.



ENGINEERING  
IETE STUDENTS FORUM - ISF  
PRESENTS

## TECHBIZ 2K24

TEST YOUR KNOWLEDGE IN THE  
QUIZ & APTITUDE EVENT

FREE ENTRY



**EVENT  
COORDINATORS:**

**MOHAMMED SIDDIQ.R**  
II YEAR



**NIRANJAN.P.G**  
II-YEAR



“  
EMBRACE THE  
CHALLENGES,  
FOR WITHIN  
THEM LIE THE  
SEEDS OF  
GREATNESS.  
”





**SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE**  
(An Autonomous Institution)  
Puducherry - 605 107



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**IETE-STUDENTS FORUM (ISF)**


SMVEC/ECE/PB/ISF/2023-24/02

Date: 23.02.2024

**CIRCULAR**


We are delighted to announce that our IETE Student's Forum (ISF) will be organizing a "TECHBIT" a quiz and aptitude competition on 26.02.2024 (Monday) for students of the Department of Electronics and Communication Engineering. The interested students are requested to register by 23.02.2024 (Friday) using the provided Google Form link: <https://forms.gle/oAoNGi7ECmt6b4Si9>

Every participant will receive an e-certificate, and exciting prizes await the winners.

  
ISF Faculty Advisor  
Dr. N. Saranya

  
Dr.P.Raja

# TECHBIZ- QUIZ AND APTITUDE COMPETITION WINNERS

**SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE**  
(AN AUTONOMOUS INSTITUTION )  
PUDUCHERRY - 605107  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING



## WINNERS OF TECHBIZ 2K24

I st year



MOHAMED SADIQ.M  
I/II/A  
(1ST PRIZE)



DURVISHRAJA.N  
I/II/D  
(2ND PRIZE)



SRINIDHI.S  
I/II/D  
(3RD PRIZE)

II nd year



SANJAY.P  
II/IV/D  
(1ST PRIZE)



SREERAM.D  
II/IV/D  
(2ND PRIZE)



YAGATHEEPAN.S  
II/IV/D  
(3RD PRIZE)

“

EMBRACE THE  
CHALLENGES,  
FOR WITHIN  
THEM LIE THE  
SEEDS OF  
GREATNESS.

”

# ONLINE QUOTES CONTEST

*Date : 28.02.2024*

*Year / Sem / Sec : II & III Year*

*Number of Beneficiary : 25*



The poster is green with gold and white confetti. At the top, it reads 'SRI-MANAKULA VINAYAGAR ENGINEERING COLLEGE (AN AUTONOMOUS INSTITUTION) PUDUCHERRY - 605107'. Below that, it says 'DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING' and 'IETE STUDENTS FORUM -ISF'. The main title is 'National Science Day'. On the left is a portrait of CV Raman. To the right of the portrait is a quote: '"SUCCESS CAN COME TO YOU BY COURAGEOUS DEVOTION TO THE TASK LYING IN FRONT OF YOU."' - CV RAMAN'. Below the quote, it says 'LET US CELEBRATE THE NATIONAL SCIENCE DAY ON 28TH FEBRUARY, 2024, BY PARTICIPATING AND SHARING YOUR QUOTES IN YOUR OWN WORDS.' At the bottom, it says 'THE BEST THREE PARTICIPANTS WILL BE AWARDED WITH E-CERTIFICATES.' There is a QR code on the left and the text 'SCAN QR TO PARTICIPATE ONLY THE QUOTES SUBMITTED BEFORE 29/02/2024 WILL BE TAKEN INTO CONSIDERATION' on the right.

The National Science Day event at Sri Manakula Vinayagar Engineering College was a remarkable success, fostering a vibrant atmosphere of scientific curiosity and creativity. With enthusiastic participation from 25 students, the event ignited a passion for scientific exploration, encouraging young minds to delve into the world of science through the creation of original quotes.

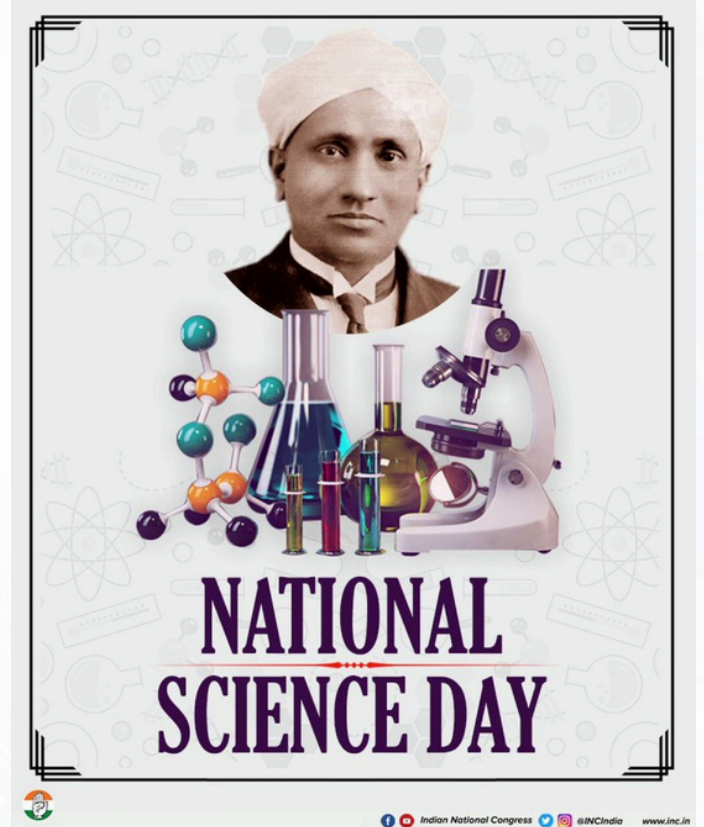
To facilitate the submission process, students scanned a QR code to submit their quotes, ensuring a seamless and modern approach to participation. The event provided a platform for students to showcase their creative expression and engage with scientific concepts in a meaningful way.

## Highlights


- **Inspiring Quotes:** The core activity of the event centered around students creating quotes that captured the essence of scientific inquiry and innovation.
- **Recognition:** The top three participants were awarded e-certificates, adding a competitive edge and motivating students to put forth their best efforts.

## ONLINE QUOTES CONTEST

- Significance of National Science Day: Participants discussed the importance of science in our lives and the contributions of Indian scientists, particularly focusing on the legacy of C.V. Raman.
- Quote Selection: The event explored the process of choosing a suitable quote and expressing it in one's own words, highlighting the importance of personal interpretation.
- Creative Expression: Different ways to interpret and express scientific concepts through quotes were discussed, encouraging diverse forms of creative expression.
- Event Participation: The success of the event was shared, encouraging others to participate in future events and share their quotes.




 Sri Manakula Vinayakar Engineering College  
(An Autonomous Institution)  
Puducherry-605107

 IETE  
INDIAN INSTITUTE OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERS  
भारतीय इंस्टीट्यूट ऑफ इलेक्ट्रॉनिक्स और तेलिकम्युनिकेशन इंजीनियरिंग  
INDIA • ESTABLISHED 1969


DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING

WINNERS OF ONLINE QUOTES WRITING


Winner

  
Elakshme Devi.C  
III/VI/B

Runner up

  
Subalakshmi.A  
III/VI/A

Runner up

  
Manisha.K  
II/IV/A

# WORKSHOP ON WEB DEVELOPMENT

13 April 2024

ISF\_ECE\_SMVEC



The poster features the Sri Manakula Vinayagar Engineering College logo at the top left. The text reads: 'SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE (AN AUTONOMOUS INSTITUTION)', 'DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING', 'IETE STUDENT FORUM (ISF)', 'ORGANIZED ONE DAY WORKSHOP ON WEB DEVELOPMENT'. A central graphic shows a laptop with 'WEB DEVELOPMENT' text and icons for HTML, CSS, JavaScript, and PHP. At the bottom, it says 'For Registration' and provides a Google Form link: <https://forms.gle/DudkPeFjsBZeDDXa8>. Contact information for Dr. N. SARANYA is also listed.

## WORKSHOP OVERVIEW

The Web Development Workshop held at Sri Manakula Vinayagar Engineering College on July 15, 2024, was a focused and hands-on event aimed at 1st and 2nd-year students. The workshop provided foundational knowledge and practical skills in web development, covering essential topics such as HTML structures, tables, forms, and CSS styling. This report details the structure, content, and outcomes of the workshop.

The workshop included a hands-on activity where students built a basic web page incorporating the concepts taught. The activity was designed to reinforce learning and provide practical experience in web development.

## OBJECTIVE OF WORKSHOP

Students were guided through the process of creating a webpage with the following components: Structuring the webpage with HTML. Creating a table to display data. Designing a form for user input. Applying CSS styling to enhance the webpage's appearance.



## OUTCOMES

The workshop was highly successful, with students demonstrating a strong understanding of the topics covered. Key outcomes include:

- **Engagement:** Students actively participated in the hands-on activity, showcasing their ability to apply theoretical knowledge to practical tasks.
- **Skill Development:** Students developed foundational web development skills, gaining confidence in creating and styling web pages.
- **Creativity:** Many students exhibited creativity in their web page designs, experimenting with different CSS styles and HTML structures.





SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

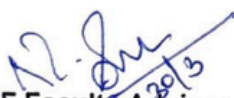
SMVEC/ECE/PB-ISF/2023-24/003


Date: 30.03.2024

**CIRCULAR  
(STUDENTS)**

We are pleased to inform you that IETE Student's Forum is going to organize one day workshop on "**Web Development**" on 02.04.2024 (Tuesday). We invite all interested students to register for the workshop by 31.03.2024 (5 PM) (Sunday) using the Google Forms link provided. This workshop aims to equip students with valuable insights and practical skills in the field of web development, which is becoming increasingly indispensable in today's digital era. We encourage all students to take advantage of this wonderful opportunity to enhance their understanding and proficiency in web development.

**Registration Link: <https://forms.gle/DudkPeFjsBZeDDXa8>**

  
ISF Faculty Advisor  
(Dr. N. Saranya)

  
HOD -ECE  
(Dr. P. Raja)

## EVENT COORDINATORS



J. AGALYA



K. JAYASRI



V. AISHWARYA

The IETE Student Forum organized a one-day workshop on "Web Development" on April 2, 2024. Twenty-five students participated, gaining valuable insights and hands-on experience in the field.

The Web Development Workshop at Sri Manakula Vinayagar Engineering College was a resounding success, providing 1st and 2nd-year students with essential web development skills. The workshop's combination of theoretical instruction and practical application ensured that students not only understood the concepts but could also implement them effectively. The positive outcomes and feedback highlight the importance of such workshops in enhancing students' technical skills and preparing them for future endeavors in web development.





SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE  
(AN AUTONOMOUS INSTITUTION)

25  
YEARS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IETE STUDENT FORUM (ISF) ORGANIZED ONE DAY WORKSHOP ON "WEB  
DEVELOPMENT"

ATTENDANCE SHEET

Batch - 02

SL.NO	NAME	YR/SEM/SEC	11.05.2024 (FN)	11.05.2024 (FN)
1	Arul Balaji	I/II/D	Arul Balaji	Arul Balaji
2	Muklesh.S	I/II/D	AB	AB
3	Thayanithy.S	I/II/D	Thayanithy	Thayanithy
4	Sugithan	I/II/D	Sugithan	Sugithan
5	Durvishraja.N	I/II/D	Durvishraja	Durvishraja
6	Priyadharshini.M	I/II/D	Priyadharshini.M	Priyadharshini.M
7	Preethi.V	I/II/D	Preethi.V	Preethi.V
8	Yuvashree.M	I/II/D	Yuvashree.M	Yuvashree.M
9	Sakthi Priya.K	II/IV/A	Sakthi Priya	Sakthi Priya
10	Fouziya Begum	II/IV/A	Fouziya	Fouziya
11	Buvana S.T	II/IV/A	AB	AB
12	Karthikeyan.R	II/IV/B	R.Karthikeyan	R.Karthikeyan
13	Hema Prasad.M	II/IV/B	Hema Prasad	Hema Prasad
14	Jeevaneshwar.S	II/IV/B	S.Jeevaneshwar	S.Jeevaneshwar
15	Jagannath.R	II/IV/B	R.Jagannath	R.Jagannath
16	Harisanthoshini.R	II/IV/B	Harisanthoshini	Harisanthoshini
17	Jeeva.V	II/IV/B	V.Jeeva	V.Jeeva

18	Sanjai.P	II/IV/D	Sanjai.P	Sanjai.P
19	Sujitha.R	II/IV/C	Sujitha.R	Sujitha.R
20	Naveenkamal.C	II/IV/C	C.Naval	C.Naval
21	Navin.S	II/IV/C	Navin.S	Navin.S
22	Rubika Sakthi.B	II/IV/C	Rubika.S.B	Rubika.S.B
23	Monica.S	II/IV/C	Monica.S	Monica.S
24	Pratibha.P	II/IV/C	Pratibha.P	Pratibha.P
25	Sri Lakshmi.V	II/IV/C	Sri Lakshmi.V	Sri Lakshmi.V
26	Keethinivasan.D	II/IV/C	Keethinivasan.D	Keethinivasan.D
27	Mugesh.M	II/IV/C	Mugesh.M	Mugesh.M
28	Ridubarshini.D	II/IV/C	D.Ridubarshini	D.Ridubarshini
29	Rathimeena.B	II/IV/C	B.Rathimeena	B.Rathimeena
30	Subiksha.K	II/IV/C	Subiksha.K	Subiksha.K

# HANDS-ON TRAINING ON HTML

11.05.2024

ISF\_ECE\_SMVEC



## HANDS-ON TRAINING PROGRAM ON HTML

The Department of Electronics and Communication Engineering (ECE) at Sri Manakula Vinayagar Engineering College, in association with the Institution of Engineers (India) Student Forum (ISF), organized a hands-on training program on HTML on May 11 2024. This program aimed to equip students with essential web development skills and practical knowledge of HTML, fostering their ability to create and design web pages.

## OBJECTIVES

- To introduce students to the basics of HTML and web development.
- To provide hands-on experience in creating and structuring web pages.
- To enhance students' understanding of HTML tags, attributes, and elements.
- To encourage practical application of theoretical concepts through guided exercises



# ATTENDANCE

## BATCH 03

SL.NO	NAME	YR/SEM/SEC	FORENOON ATTENDANCE	AFTERNOON ATTENDANCE
1	Nithiyasree	I/II/D	Nithya	Nithya
2	Amsavarthini Amsavartini.S	I/II/D	Amsavathi	Amsavartini
3	Madhumita.M Madhumitha.M	I/II/D	M. Madhumitha	M. Madhumitha
4	Bhavanisree.P Bhavani Shree.S	I/II/D	Bhavanisree.S	Bhavanisree.S
5	Preethi.K	I/II/D	Preethi.K	Preethi.K
6	Rijull Nambiar.P Rijul Nambiar.P	I/II/D	Rijul Nambiar	Rijul Nambiar
7	Dhivagar.V	I/II/D	Dhivagar	Dhivagar
8	Krishnakumar.E.S	I/II/D	E.S. Krishnakumar	E.S. Krishnakumar
9	Jayanarayanan.G	II/IV/D	Gi. Jayanarayanan	Gi. Jayanarayanan
10	Vidhya.K	II/IV/A	Vidhya.K	Vidhya.K
11	Divya.K	II/IV/A	Divya.K	Divya.K
12	Anuth Yara Faris.R	II/IV/A	R. Anuth Yara Faris	R. Anuth Yara Faris
13	Surendiran.S	II/IV/B	Surendin	Surendin
14	Kashish.U	II/IV/B	Kashish.U	Kashish.U
15	Pavithran.K	II/IV/B	Pavithran.K	Pavithran.K
16	Sreeram.D	II/IV/D	AB	AB
17	Kiruthika.S	II/IV/D	Kiruthika.S	Kiruthika.S
18	Lakshman Saikumar Marreddi	II/IV/D	M.L. Saikumar	M.L. Saikumar
19	Kugan.T	II/IV/D	AB	AB
20	Vishali.K	II/IV/D	Vishali.K	Vishali.K
21	Afziya.N	II/IV/D	Afziya.N	Afziya.N
22	Yuvasri.R	II/IV/D	AB	AB
23	Karan	II/IV/D	D. Karan	D. Karan
24	Suganthe.M	II/IV/C	M. Suganthe	M. Suganthe
25	Snegha.S Snega.B.	II/IV/C	Snega.B.	Snega.B.
26	Sahithya T.S	II/IV/C	Sahithya T.S	Sahithya T.S
27	Sathish Kumar	II/IV/C	AB	AB
28	Muthu Selvan . K	II/IV/C	Muthu Selvan . K	Muthu Selvan . K
29	Ashwin Raj.S	II/IV/C	Ashwin Raj.S	Ashwin Raj.S
30	Mohamed Sajid.M	II/IV/C	M. Sajid	M. Sajid
31	Naufal Ahamed . M	II/IV/C	M. Naufal	M. Naufal

# HANDS-ON TRAINING ON HTML



The hands-on training program on HTML organized by the ISF and the Department of ECE at Sri Manakula Vinayagar Engineering College was a resounding success. The program not only imparted valuable technical skills but also fostered a collaborative and engaging learning environment. The positive feedback and outcomes highlight the importance of such initiatives in enhancing students' practical knowledge and preparing them for future endeavors in web development.



## Event Coordinator



J. AGALYA



K. JAYASRI



V. AISHWARYA



## Outcomes

The hands-on training program achieved its objectives by providing students with a solid foundation in HTML and web development. Key outcomes include:

- **Skill Development:** Participants developed essential skills in creating and designing web pages using HTML and CSS.
- **Confidence:** Students gained confidence in their ability to apply web development concepts to real-world projects.
- **Interest:** The program sparked an interest in web development, with many students expressing a desire to learn more advanced topics in the future.



# CAREER GUIDANCE ON HIGHER EDUCATION

10.10.2024

ISF\_ECE\_SMVEC



## CAREER GUIDANCE ON HIGHER EDUCATION

The purpose of this seminar is to provide valuable insights and guidance to students regarding their future educational and career prospects. We believe that this event will greatly benefit the students as they navigate their academic and professional journeys.

## OBJECTIVES

The purpose of this seminar is to provide valuable insights and guidance to students regarding their future educational and career prospects. We believe that this event will greatly benefit the students as they navigate their academic and professional journeys.



# REEL TO REALITY'

09.09.2024

ISF\_ECE\_SMVEC



## REEL TO REALITY

REEL to REALITY', a presentation event where you can showcase Sci-fi concepts from over a wide variety of sci-fi movies and show us why that Reel!?, can be turned into a Reality



# WORD OF WONDER COMPLETION

16.09.2024

ISF\_ECE\_SMVEC

SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE  
Department of Electronics and  
Communication Engineering

IETE STUDENTS' FORUM - ISF  
Presents  
**WORD OF WONDER**  
THEME: THE INFINITE UNIVERSE  
An AI Event Like Never Before!!!

On  
14-09-2024  
(Saturday)

**FREE**  
REGISTRATION

Open to  
I & III Year  
ECE students

To Register  
Scan/Use the QR Code

Registration ends  
12-09-2024  
(Thursday)

For any queries contact:  
Mohamed Siddiq R | Jayasi K  
+91 63696 38814 | +91 98401 85274

<https://forms.gle/jkju3fo6232z>

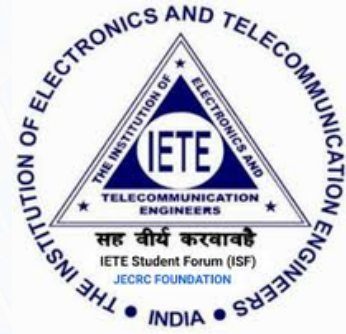
## WORD OF WONDER COMPLETION

IETE Students' Forum is organizing "Word of Wonder", an event aimed at challenging the students to express their creative thinking using AI tools. This is a unique opportunity to explore how Artificial Intelligence can enhance your creative expression. We encourage all students to actively participate and take advantage of this wonderful chance to expand their knowledge and professional skills.





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



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