



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE

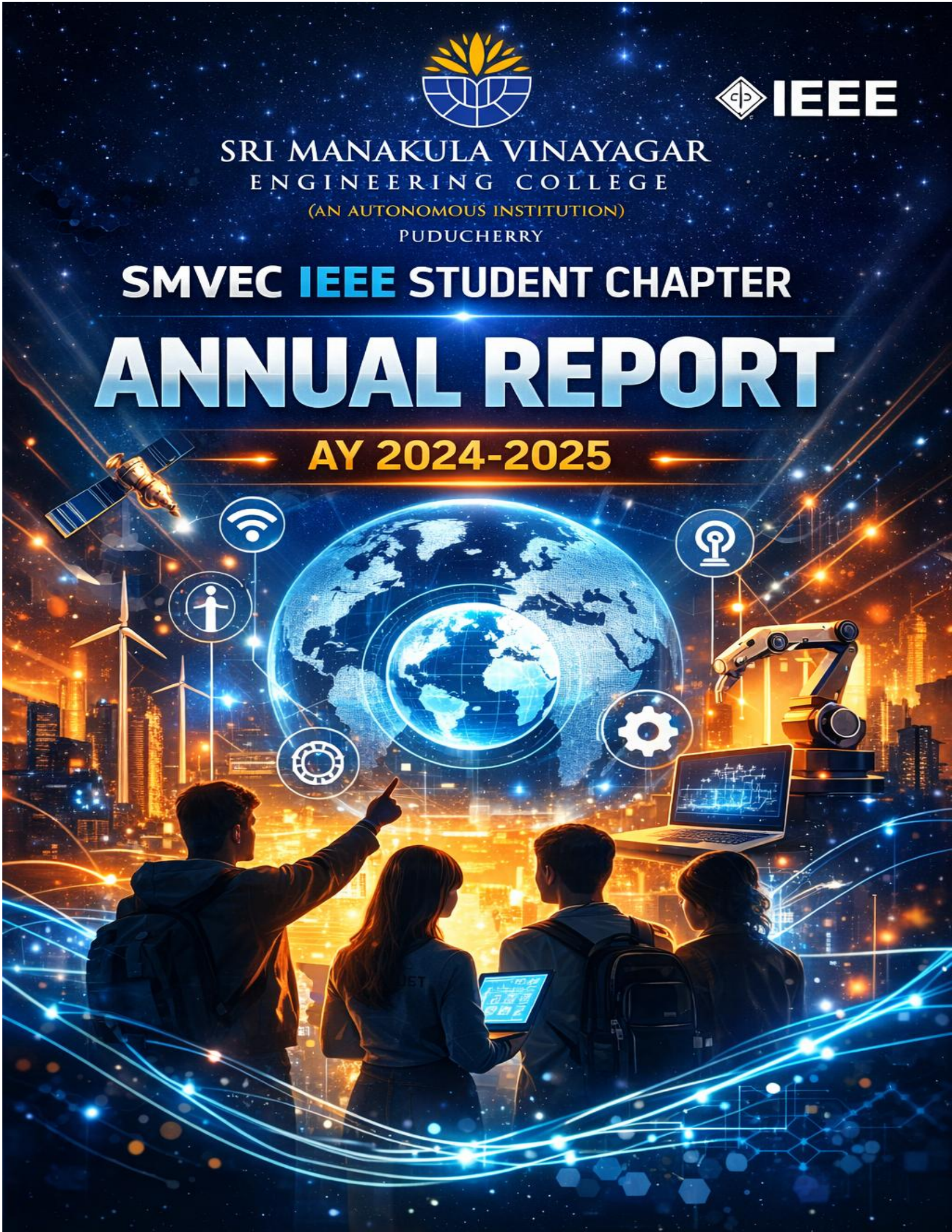
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PUDUCHERRY

SMVEC **IEEE** STUDENT CHAPTER

ANNUAL REPORT

AY 2024-2025





SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)



Madagadipet, Puducherry - 605 107



0413 - 264 2000



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SB - ACTIVITY REPORT CONDUCTED DURING 2024 (JAN - DEC):

1. Workshops / Seminars / FDPs

Sl. No.	Event Date/s	Event Type Workshop /Seminar/ FDP	Topic of the Event	Resource Persons
1.	09.04.2024	Workshop	IoT Applications	Mr. Lokeshwaran Managing Director of YM Automation Pvt. Ltd, Coimbatore
2	13.04.2024	Workshop	Mobile Servicing and its troubleshooting	Mr. K. Suresh @ Manikandan Supply Chain Analyst NCR Cooperation Pvt. Ltd
3	15.06.2024	Seminar	Unveiling potential of IEEE professional home for Engineering and Technology Community worldwide	Dr. Porkumaran Karantharaj Chairman –IEEE Madras Section
4	2.07.2024- 05.07.2024	Faculty Development Program (FDP)	Electric Vehicles	Er.Vinoth Rajasekar ,Manager, Er. Anand Skilled Assistant Er. Praveen, Skilled Assistant A TVS Group Company, Chennai
5	08.08.2024- 10.08.2024	Workshop	Arduino for Beginners: Building Projects with Sensors and Wireless Tech	Retech Solution Pvt Ltd , Chennai
6	09.08.2024- 10.08.2024	Workshop	SKYCRAFT: Insights into Drone and IoT Technology	Dr. Krishna Prasad P Mr. Subhasis Sahoo
7	11.09.2024	Faculty Development program(FDP)	One Day Faculty Training Program on“IoT and Low - Cost Hardware Interfacing with MATLAB”	Mr. R. Gowtham, Technical Manager at Mathworks, ARK InfoSolution Pvt. Ltd

2. Technical Talks / Guest Lectures / DVP Talks

Sl. No.	Event Date/s	Event Type Technical Talk/ Guest lecture / DVP Talk/	Topic of the Event	Resource Persons
1	19.11.2024	Guest Lecture	The Essential of Digital Signal Processing : Techniques and Applications	Dr. Timothy D Paul , Acadamecian / IoT Consultant / Design Thinking Coach Nunnari Labs Pvt Ltd , Coimbatore Chennai
2	22.10.2024	Guest Lecture	Wearable and Implantable architecture	Dr.S.Sangeetha , Assistant Professor , Department of ECE , Anna University , Chennai
3	22.10.2024	Guest Lecture	Techez Communication : Bridging the Gap between Millimeter Waves and Photonics	Dr.R.Vaishalle , Assistant Professor , Amritha University , Chennai
4	16.10.2024	Guest Lecture	Electronic Circuits and its Applications	Dr.V.Sivasankaran , Associate Professor , VIT Bhopal University , Madhya Pradesh
5	19.10.2024	Guest Lecture	Smart Electronics Environment New Trends , Challenges and Solutions in Wireless Communications	Dr.Susila , Associate Professor , SRM Institite of Technology , Chennai.
6	15.10.2024	Guest Lecture	Insights on Robotis and Its applications	Dr.Saurabh Shanu , Assistant Professor (SG),Robotics Instructor AI consultant , School of Computer Science , University of Petroleum and Energy Studies , Dheradun – 248007 – Uttrakhand
7	14.10.2024	Guest Lecture	Fundamentals of Electronics Core Concepts with Engineering Practices	Dr. E.Arun Kumar
8	14.10.2024	Guest Lecture	Applications of Signals and Systems Using MATLAB	Dr.G.Gandhimathi , Associate Professor , SRM TRP Engineering Trichy
9	15.10.2024	Guest Lecture	Emerging Trends in Spatial Processing Techniques for Next Generation Wireless Networks"	Mr. Anurag Gupta, Senior Lead Engineer at Qualcomm, Bangalore, Karnataka

10	04.10.2024	Guest Lecture	Electronic Circuits & its application on automotive functional safety	Mr.Deenadayalan Selvaraj, Team Manager-Comfort And Driving Assistance [CDA] - Functional Safety Expert Hardware Engineer Embedded Product Development, Valeo India Private Limited , CEE DEE YES IT PARK - Chennai 600130
11	29.09.2024	Guest Lecture	Intelligent IoT: Leveraging AI and ML for Smarter Solutions	Mr. Elanthriyan S., Data Scientist at Meister-Gen Technologies Private Limited, IIT Madras Research Park
12	20.09.24	Guest Lecture	AI Trends in Industry 4.0 Technology	Mrs. P. Subha Priya, Senior Data Analyst at Neub Altics Tech Pvt Ltd, Chennai
13	18.09.2024	Guest Lecture	Applied Signal and Systems: MATLAB Techniques for Modern Engineering Challenges	Dr.Malaya Kumar Nath , Assistant Professor , NIT , Karaikal
14	14.09.2024	Guest Lecture	Micro Architecture Overview via DSP Algorithms	Dr.K.Rajasekar, Senior Project Engineer , CDAC Bangalore
15	12.09.2024	Guest Lecture	The Theory behind Electromagnetism and its Application	Dr.Padmalingam , Assistant Professor , IIIT Tiruchirapalli
16	14.09.2024	Guest Lecture	"Internet of Things (IoT) for Smart Cities	Mr. Brammanathan, Engineer at Whirlpool of India Limited, Puducherry
17	27.07.2024	Guest Lecture	Exploring embedded systems in Electric Vehicles	Er. S. Selva Kumar Senior Engineer, Qualcomm India Pvt. Ltd
18	13.04.2024	Guest Lecture	IoT data Lifecycle –From Collection to analysis and beyond	Mrs. S. Sivasankari, Digital Solutions Senior Manager, NTT Data Services, Chennai

19	27.03.2024	Guest Lecture	Product Patent Filing process	Dr. P. Jayakumar Patent Design Consultant
20	26.03.2024	Guest Lecture	Blockchain Technology for Secure Data Management	Mr. M. Muthu Blockchain Developer FABC , Chennai
21	14.03.2024	Guest Lecture	Industrial Experience and Technology Expectations	Mr. Chinmoy Baliyar Singh.R Senior Platform Architect Ericsson Sweden
22	04.03.2024	Guest Lecture	Introduction to UX design , Process and Its impact	Mr. Dannie Joe Ambrose Senior Architect –UX Ramco Systems , Chennai
23	24.02.2024	Guest Lecture	Recent Trends in Data Science	Dr. R. Jayaraj Assistant Professor SRM , Chennai
24	23.02.2024	Guest Lecture	IPR and Patent Filing	Dr. P. Jayakumar Patent Design Consultant
25	21.02.2024	Guest Lecture	Electric Vehicle –Future and Challenges	Dr. G. K.Sathish kumar Manager of R&D Manatec E-Drive Pvt. Ltd, Puducherry

3. Other Events (such as Awareness Pgms / Competitions / Field Visits / Quizzes / Discussion Meetings etc) Pl. include only the activities organised by the IEEE SBs and NOT by the institution / other Depts.

Sl. No.	Event Date/s	Event Type Awareness Pgm/ Competition/ Field Visit/ Quiz/ Discussion Meeting	Topic of the Event	Resource Persons
1	27.09.2024	Awareness Program	Empowering student innovation : A guide to IEEE seed project Funding	Dr. V. Nagarajan Professor Department of Electronics Engineering, Pondicherry University

2	24.09.2024	Competition	Mathwork - Model Based Design Challenge” competition	Vivek Ashokan Regional Manager MathWorks Ark Info solutions Private Limited, Chennai
3	24.08.2024	Field Visit	Societal Problem Identification and Analysis	Department of ECE



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HANDS ON TRAINING PROGRAM ON IOT APPLICATIONS”

Date of Event : 09.04.2025

Organised By : IEEE SB and Department of ICE

Resource Person : Mr. Lokeshwaran Managing Director of YM Automation Pvt. Ltd, Coimbatore

ABOUT THE EVENT:

Sri Manakula Vinayagar Engineering College's Department of Instrumentation and Control Engineering, in partnership with the IEEE Students Branch, is hosting a hands-on training session on IoT Applications. This event is scheduled to take place on April 9, 2024, from 10:30 AM to 12:30 PM, providing an excellent opportunity for students and professionals to gain practical experience and insights into the rapidly evolving field of the Internet of Things (IoT). The session will be conducted by Mr. Lokeshwaran, the Managing Director of YM Automation Pvt. Ltd., based in Coimbatore. Mr. Lokeshwaran brings a wealth of knowledge and expertise in the domain of automation and IoT, promising an enriching and informative training experience for all participants. The training is designed to cover various aspects of IoT applications, offering attendees a comprehensive understanding of how IoT technologies can be implemented and utilized in real-world scenarios. Participants can expect to engage in interactive learning sessions that will include demonstrations and hands-on exercises, allowing them to apply theoretical knowledge in practical settings. This event is a valuable opportunity for those looking to enhance their skills and stay updated with the latest trends and technologies in IoT.



WORKSHOP ON MOBILE SERVICING AND ITS TROUBLESHOOTING

Date of Event : 13.04.2024

Organised By : IEEE SB and Department of EEE

Resource Person : **Mr. K. Suresh @ Manikandan, Supply Chain Analyst**
NCR Cooperation Pvt. Ltd

ABOUT THE EVENT:

EEE Department & IEEE SB organized a one-day workshop on “Mobile servicing and its troubleshooting”, by Mr. K. Suresh @ Manikandan, Supply Chain Analyst at NCR corporation Pvt Ltd on 13th April 2024 from 10:00 AM to 04:30 PM. The Mobile Servicing and Troubleshooting Workshop is a comprehensive one-day event designed to equip participants with the knowledge and skills required to service and troubleshoot mobile devices effectively. The workshop covered a wide range of topics, including basic mobile servicing techniques, hardware and software troubleshooting, and advanced repair strategies. Participants also learnt about the latest trends in mobile technology and how to stay updated with the rapidly evolving industry.



The poster features the logos of Sri Manakula Vinayagar Engineering College and IEEE Students Branch. It identifies the organizing department as Electrical and Electronic Engineering and lists the event as a one-day workshop on mobile servicing and troubleshooting. The date and time are 13th April 2024 at 10:00 AM. The resource person is Mr. K. Suresh @ Manikandan, Supply Chain Analyst at NCR corporation Pvt Ltd. A portrait of Mr. Suresh is included.

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
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Puducherry- 605 107

IEEE
IEEE Students Branch

Department of Electrical and Electronic Engineering
Organizes
One day workshop on
Mobile Servicing and its troubleshooting

13th April 2024
@ 10.00AM

Mr. K. Suresh @ Manikandan
Supply Chain Analyst
NCR corporation Pvt Ltd



UNVEILING POTENTIAL OF IEEE: PROFESSIONAL HOME FOR ENGINEERING AND TECHNOLOGY COMMUNITY WORLD

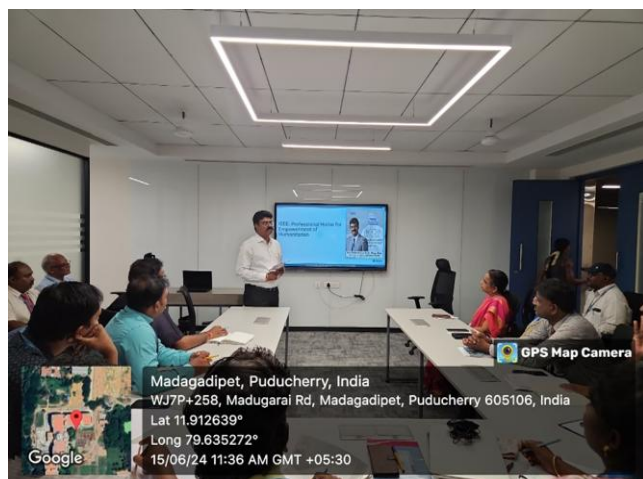
Date of Event : 15.06.2024

Organized By : IEEE SB and Department of ECE

Resource Person : Dr. Porkumaran Karantharaj, Chairman –IEEE Madras Section

ABOUT THE EVENT:

The objective of the seminar "Unveiling the Potential of IEEE Professional Home for Engineering and Technology Community Worldwide" is to highlight IEEE's contributions to professional development. This session delves into the vast potential IEEE holds as a global professional home for engineers, technologists, and researchers, emphasizing its mission, structural organization, key activities, and overarching impact. IEEE's mission is to foster technological innovation and excellence for the benefit of humanity. The vote of thanks is revealed by Dr.AA. Arivalagar, Dean Academics and he stated that the seminar session provided is a comprehensive analysis of IEEE's pivotal role and future possibilities. s IEEE continues to evolve and expand its reach, it holds tremendous potential to drive innovation, foster collaboration, and create a lasting impact on society. Around 35 faculties have actively participated in the event. The session ended with the queries and clarification of doubts by faculty members with a memory of group photo at the end.



FACULTY DEVELOPMENT PROGRAM ON ELECTRIC VEHICLES

Date of Event : 2.07.2024

Organised By : IEEE SB and Department of EEE

Resource Person : Er.Vinoth Rajasekar, Manager, Er. Anand Skilled Assistant,
TVS Group Company, Chennai

ABOUT THE EVENT:

Sri Manakula Vinayagar Engineering College's Department of Electrical and Electronics Engineering is organizing a Faculty Development Program on Electric Vehicles from 2nd to 5th July 2024. Celebrating 25 years of excellence, the event is under Industry Institute Collaboration and conducted in association with the IEEE Student Branch and TVS Training & Services (a TVS Group Company). Resource persons from TVS Industries will provide insights and knowledge during the program. Faculty members are encouraged to scan the provided QR code for registration and further details. This program aims to enhance the knowledge and teaching capabilities of educators in the evolving field of electric vehicles.



The banner features the Sri Manakula Vinayagar Engineering College logo (25th anniversary) and the IEEE Student Branch logo. It includes the text: 'SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE (AN AUTONOMOUS INSTITUTION)', 'Department of Electrical and Electronics Engineering', 'Organized Faculty Development Program on Electric Vehicles', '2-5 July 2024', 'Under Industry Institute Collaboration', and 'Resource Persons from TVS Industries'. A QR code is provided for registration, and an illustration of an electric car is shown at the bottom.



WORKSHOP ON ARDUINO FOR BEGINNERS: BUILDING PROJECTS WITH SENSORS AND WIRELESS TECH

Date of Event : 8.08.2024 to 10.08.2024
Organized By : IEEE SB and Department of ECE
Resource Person : Retech Solution Pvt Ltd, Chennai

ABOUT THE EVENT:

Sri Manakula Vinayagar Engineering College, Puducherry, celebrated its 25th Silver Jubilee year by organizing a Hands-on Training Workshop on Arduino for Beginners: Building Projects with Sensors and Wireless Tech. The event was conducted by the VLSI Design Faculty Specialization Group under the Department of Electronics and Communication Engineering (ECE) in association with the Institute of Electrical and Electronics Engineers (IEEE) and IETECH Solutions Pvt. Ltd.



SKYCRAFT INSIGHT INTO DRONE AND IOT TECHNOLOGY

Date of Event : 09.08.2024-10.08.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Dr. Krishna Prasad P

ABOUT THE EVENT:

The "SKYCRAFT: Insights into Drone and IoT Technology" workshop attracted over 60+ participants (Including few Professional volunteer members from the SB), sparking strong interest in IEEE membership and new collaborations between academia and industry. Key sessions saw full attendance, with around 100% of attendees reporting increased confidence in applying the technologies discussed. The event also generated significant social media buzz and media coverage, highlighting its impact. Inspired by the workshop, several attendees have initiated new projects in IoT and Drone applications. Plans for similar future events are already in motion. The "SKYCRAFT: Insights into Drone and IoT Technology" workshop had a significant impact, attracting over 60 participants and generating strong interest in IEEE membership. The event facilitated valuable industry-academia collaborations and provided participants with hands-on experience in cutting-edge technologies. Key sessions were well-attended, and attendees reported increased confidence in applying Drone and IoT concept

SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
FOR AUTONOMOUS INSTITUTIONS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE STUDENT BRANCH
ORGANIZES

WORKSHOP
SKYCRAFT: INSIGHTS INTO DRONE AND IOT TECHNOLOGY

DR. KRISHNA PRASAD P

09.08.2024
ECE SEMINAR HALL
11:00 AM-12:30 PM

IEEE



ONE DAY FACULTY TRAINING PROGRAM ON "IOT AND LOW - COST HARDWARE INTERFACING WITH MATLAB"

Date of Event : 11.09.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Mr. R. Gowtham, Technical Manager at Mathworks, ARK InfoSolution Pvt. Ltd

ABOUT THE EVENT:

The IEEE Student Branch of Sri Manakula Vinayagar Engineering College, in collaboration with Mathworks - ARK InfoSolution Pvt. Ltd., Chennai, organized a one-day hands-on training program on "IoT and Low-Cost Hardware Interfacing with MATLAB" for faculty members on September 11, 2024. The training aimed to equip participants with the skills necessary to interface hardware setups with MATLAB software and understand the various built-in library functions used for real-world applications. Mr. R. Gowtham, Technical Manager at Mathworks, ARK InfoSolution Pvt. Ltd., served as the resource person for the hands-on training program. This faculty training program provided opportunities for faculty members to stay updated with the latest technologies and trends.



TECHNICAL TALKS /GUEST LECTURES / DVP TALKS:

GUEST LECTURE ON “THE ESSENTIAL OF DIGITAL SIGNAL PROCESSING: TECHNIQUES AND APPLICATIONS

Date of Event : 19.11.2024
Organized By : IEEE SB and Department of ECE
Resource Person :Dr. Timothy D Paul, Academicians, Design Thinking Coach Nunnari Labs Pvt Ltd , Coimbatore Chennai

ABOUT THE EVENT:

A Guest Lecture was organized on the title “The Essentials of Digital Signal Processing: Techniques and Applications” by Dr. Timothy D. Paul, Academician, IoT Consultant, and Design Thinking Coach at Nunnari Labs Pvt. Ltd., Coimbatore, Chennai. The session delved into the fundamental concepts and critical techniques of Digital Signal Processing (DSP) and their wide-ranging applications. Dr. Timothy highlighted how DSP serves as the backbone of modern communication systems, IoT solutions, medical devices, audio and image processing, and other real-world applications. He emphasized both theoretical insights and practical case studies, offering participants a clear understanding of how DSP techniques can be effectively applied in solving engineering challenges. The lecture provided a rich learning experience for faculty members, research scholars, and students, broadening their knowledge of DSP and motivating them to explore innovative applications in the field of electronics and communication engineering.



GUEST LECTURE ON “WEARABLE AND IMPLANTABLE ARCHITECTURE”

Date of Event : 22.10.2024
Organised By : IEEE SB and Department of ECE
Resource Person : Dr.S.Sangeetha , Assistant Professor , Department of ECE , Anna University , Chennai

ABOUT THE EVENT:

A Guest Lecture on "Wearable and Implantable Architecture" was organized by the department, featuring Dr. S. Sangeetha, Assistant Professor, Department of ECE, Anna University, Chennai. The lecture highlighted innovative designs and advancements in wearable and implantable technologies, emphasizing their role in modern healthcare and engineering applications. Dr. Sangeetha provided insights into the architecture, design challenges, and practical implementations of such devices, showcasing how cutting-edge research is driving the development of efficient, reliable, and patient-friendly solutions. The session offered participants valuable knowledge on emerging trends in biomedical electronics, bridging the gap between academic learning and real-world innovations.



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE

Department of
Electronics and Communication Engineering

Online Guest Lecture on

“WEARABLE AND IMPLANTABLE ANTENNA
DESIGN FOR BIO-MEDICAL APPLICATIONS”

IEEE

DR. S. SANGEETHA
ASSISTANT PROFESSOR
DEPARTMENT OF ECE
ANNA UNIVERSITY, CHENNAI

DATE : 22.10.2024 @ 11:00 AM

Join the Guest Lecture @ <https://meet.google.com/edp-flpr-nni>

Organized By
Dr. N. Saranya
Assistant Professor/ECE

GUEST LECTURE ON “TECHETZ COMMUNICATION: BRIDGING THE GAP BETWEEN MILLIMETER WAVES AND PHOTONICS”

Date of Event : 22.10.2024
Organised By : IEEE SB and Department of ECE
Resource Person : Dr.R.Vaishalle , Assistant Professor , Amritha University , Chennai

ABOUT THE EVENT:

A Guest Lecture was organized on the title “Techetz Communication: Bridging the Gap between Millimeter Waves and Photonics”. The session was delivered by Dr. R. Vaishalle, Assistant Professor at Amrita University, Chennai, who provided an insightful exploration into the convergence of millimeter-wave technology and photonics. During the lecture, Dr. Vaishalle highlighted the growing significance of integrating millimeter waves with photonic systems to meet the demands of next-generation high-speed communication networks. The talk emphasized the role of these technologies in enabling ultra-fast data transmission, improved bandwidth efficiency, and advanced applications in 5G/6G communication systems, radar, and optical networks. The session offered valuable knowledge to faculty members, research scholars, and students, helping them understand cutting-edge developments in communication engineering and inspiring future research in this rapidly evolving domain



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

Organizes
Guest Lecture on

Terahertz Communication: Bridging the Gap
between Millimeter Waves and Photonics

Dr. R. Vaishalle
Assistant Professor,
Amrita University, Chennai

<https://meet.google.com/dia-mntmk-nqg>
Room no. 311
October 22, 2024
1:30 PM to 2:05 PM

Event Coordinator
Dr. T. Deepa
Assistant Professor
Department of ECE

GUEST LECTURE ON “SMART ELECTRONICS ENVIRONMENT NEW TRENDS , CHALLENGES AND SOLUTIONS IN WIRELESS COMMUNICATIONS”

Date of Event : 19.10.2024
Organised By : IEEE SB and Department of ECE
Resource Person : Dr.Susila , Associate Professor , SRM Institute of Technology , Chennai.

ABOUT THE EVENT:

A Guest Lecture titled “Smart Electronics Environment: New Trends, Challenges, and Solutions in Wireless Communications” was delivered by Dr. Susila from SRM Institute of Technology, Chennai. The session highlighted the rapidly evolving landscape of wireless communication and addressed the latest advancements, emerging challenges, and innovative solutions shaping the field. Dr. Susila provided valuable insights into how modern wireless technologies are transforming industries and society, with a focus on next-generation networks, smart devices, and communication environments. The lecture gave participants an opportunity to understand cutting-edge research directions while also exploring practical applications of wireless communication systems. The session proved highly engaging and informative for students, faculty, and researchers, inspiring them to pursue deeper learning and innovative research in the domain of wireless electronics and communication engineering.



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION

Department of Electronics and Communication Engineering

Online Guest Lecture on
IEEE
SMART ELECTRONICS ENVIRONMENT NEW TRENDS ,
CHALLENGES AND SOLUTIONS IN WIRELESS
COMMUNICATIONS”

**DR.SUSILA , ASSOCIATE PROFESSOR , SRM
INSTITUTE OF TECHNOLOGY , CHENNAI.**

DATE : 19.10.2024 @ 2:00 PM

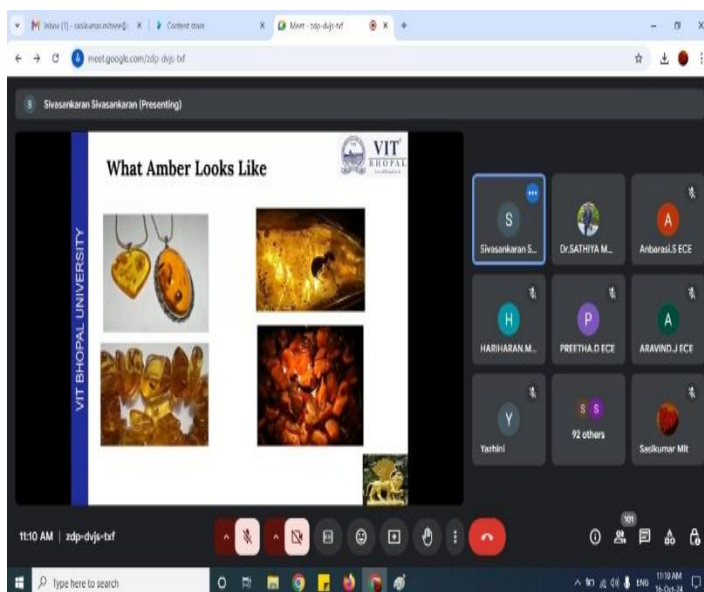
Organized By
Dr. N. Saranya
Assistant Professor/ECE

GUEST LECTURE ON “ELECTRONIC CIRCUITS AND ITS APPLICATIONS”

Date of Event : 16.10.2024
Organised By : IEEE SB and Department of ECE
Resource Person : Dr.V.Sivasankaran , Associate Professor , VIT Bhopal University , Madhya Pradesh

ABOUT THE EVENT:

An informative Guest Lecture was organized on the topic “Electronic Circuits and its Applications” by Dr. V. Sivasankaran, Associate Professor, VIT Bhopal University, Madhya Pradesh. The session provided an in-depth understanding of the fundamental concepts of electronic circuits and their practical applications across various industries. Dr. Sivasankaran explained how electronic circuits form the foundation of modern electronic systems and highlighted their role in fields such as communication, healthcare, consumer electronics, automotive systems, and industrial automation. The lecture combined theoretical insights with real-world applications, enabling participants to connect classroom learning with industry practices. The session proved highly beneficial to faculty members, research scholars, and students, enriching their knowledge and motivating them to explore innovative applications of electronic circuits in engineering and technology

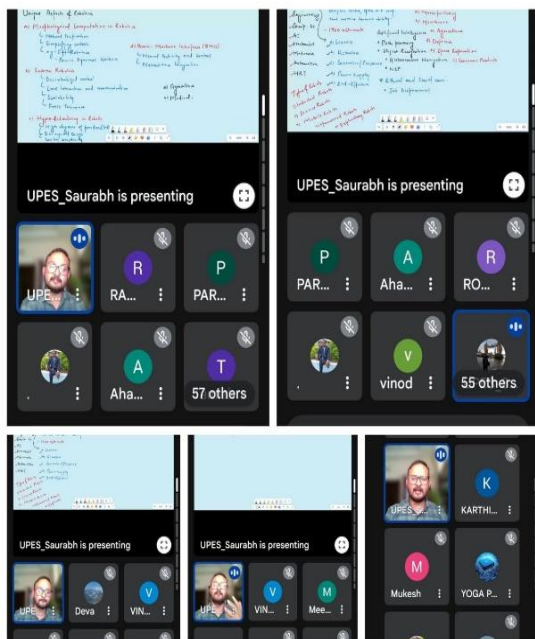


GUEST LECTURE ON “INSIGHTS ON ROBOTIS AND ITS APPLICATIONS”

Date of Event : 15.10.2024
Organised By : IEEE SB and Department of ECE
Resource Person : Dr.Saurabh Shanu , Assistant Professor (SG),Robotics Instructor
AI consultant , School of Computer Science , University of
Petroleum and Energy Studies , Dheradun

ABOUT THE EVENT:

An insightful Guest Lecture on “Insights on Robotics and Its Applications” was organized on 15th October 2024 by the IEEE Student Branch and the Department of ECE. The resource person, Dr. Saurabh Shanu, Assistant Professor (SG), Robotics Instructor, and AI Consultant at the School of Computer Science, University of Petroleum and Energy Studies, Dehradun, shared his expertise on the emerging role of robotics in today’s technological landscape. Dr. Shanu elaborated on the fundamental principles of robotics and highlighted its wide-ranging applications in healthcare, manufacturing, defense, agriculture, and service industries. He emphasized how robotics, combined with artificial intelligence, is revolutionizing automation and shaping the future of industries worldwide. The lecture also touched upon current research trends and the challenges involved in developing intelligent robotic systems. The session proved highly engaging and informative, offering faculty members, research scholars, and students valuable perspectives on the advancements in robotics and its growing impact on society. The event successfully inspired participants to explore innovative applications of robotics and pursue further research in this rapidly expanding field.



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
AN ISO 9001:2015 CERTIFIED INSTITUTION

Department of
Electronics and Communication Engineering

Organizes
Guest Lecture on **IEEE**

Insights on Robotics and Its Applications

Dr. Saurabh Shanu,
Assistant Professor (SG),
Robotics Instructor,
AI Consultant, School of
Computer Science,
University of Petroleum and
Energy Studies,
Dehradun – 248007,Uttarakhand

15th October 2024
@ 10.30 am

Lecture Hall

All are Welcome !!!

GUEST LECTURE ON “FUNDAMENTALS OF ELECTRONICS CORE CONCEPTS WITH ENGINEERING PRACTICES”

Date of Event : 04.10.2024
Organized By : IEEE SB and Department of ECE
Resource Person : .Deenadayalan Selvaraj, Team Manager- Comfort And Driving Assistance, Valeo India Private Limited, Chennai

ABOUT THE EVENT:

An engaging guest lecture titled "Fundamentals of Electronics Core Concepts with Engineering Practices" was delivered by Dr. E. Arun Kumar, Vice President of RETECH Solutions Pvt. Ltd., Chennai. The session aimed to strengthen students' understanding of essential electronics concepts while linking them with real-world engineering practices. Dr. Arun Kumar explained the core principles of electronics in a clear and practical manner, demonstrating how fundamental theories form the backbone of advanced applications in engineering and technology. He also highlighted industry practices, providing students with insights into how theoretical knowledge is translated into practical solutions across various domains. The lecture offered participants a strong conceptual foundation, fostering confidence in applying electronic principles to both academic and professional challenges. The interactive nature of the session encouraged active learning and motivated students to bridge the gap between classroom knowledge and industrial applications.



GUEST LECTURE ON “APPLICATIONS OF SIGNALS AND SYSTEMS USING MATLAB”

Date of Event : 14.10.2024
Organised By : IEEE SB and Department of ECE
Resource Person : Dr.G.Gandhimathi , Associate Professor , SRM TRP Engineering Trichy

A Guest Lecture on “Applications of Signals and Systems Using MATLAB” was delivered by Dr. G. Gandhimathi from SRM TRP Engineering College, Trichy. The session provided captivating insights into the practical applications of MATLAB in signal processing and demonstrated how theoretical concepts of signals and systems can be effectively applied using computational tools. Dr. Gandhimathi highlighted the importance of MATLAB as a powerful platform for analyzing, simulating, and visualizing signal processing techniques. She discussed real-time case studies and practical examples that helped participants bridge the gap between classroom learning and real-world applications. The lecture was highly beneficial to students, faculty, and researchers, enhancing their technical skills and inspiring them to explore MATLAB-driven solutions in the field of signal processing and communication engineering.



GUEST LECTURE ON “EMERGING TRENDS IN SPATIAL PROCESSING TECHNIQUES FOR NEXT GENERATION WIRELESS NETWORKS

Date of Event : 15.10.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Mr. Anurag Gupta, Senior Lead Engineer at Qualcomm, Bangalore, Karnataka

An informative Guest Lecture on “Emerging Trends in Spatial Processing Techniques for Next Generation Wireless Networks” was delivered by Mr. Anurag Gupta, Senior Lead Engineer at Qualcomm, Bangalore, Karnataka. The session provided deep insights into the future of spatial processing and its critical role in shaping advanced wireless communication networks. Mr. Gupta discussed the importance of spatial processing in improving spectral efficiency, signal quality, and network capacity, particularly in the context of 5G and beyond technologies. He also highlighted industry-driven advancements, research directions, and practical challenges associated with implementing these techniques in real-world communication systems. The lecture was highly engaging and beneficial for faculty members, research scholars, and students, equipping them with valuable knowledge of cutting-edge wireless technologies and motivating them to explore research opportunities in the domain of next-generation wireless networks.



GUEST LECTURE ON “ELECTRONIC CIRCUITS & THEIR APPLICATION IN AUTOMOTIVE FUNCTIONAL SAFETY”

Date of Event : 04.10.2025
Organised By : IEEE SB and Department of ECE
Resource Person : .Deenadayalan Selvaraj, Team Manager- Comfort And Driving Assistance, Valeo India Private Limited, Chennai

ABOUT THE EVENT:

A Guest Lecture on "Electronic Circuits & Their Application in Automotive Functional Safety" was conducted by Mr. Deenadayalan Selvaraj, Team Manager at Valeo India Private Limited. The session explored the critical role of electronic circuits in ensuring functional safety within the automotive sector. Mr. Deenadayalan highlighted the importance of designing reliable electronic circuits to meet stringent safety standards in modern vehicles. He explained how electronic control systems contribute to accident prevention, fault tolerance, and compliance with international automotive safety regulations. The lecture provided participants with valuable insights into real-world industrial practices, bridging classroom learning with practical automotive applications. The interactive session also inspired students to understand the challenges of safety-critical systems and motivated them to explore careers and research opportunities in the automotive electronics domain.



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE

Department of
Electronics and Communication Engineering
Organizes

Guest Lecture on
Electronic Circuits & Its Application On
Automotive Functional Safety

Mr. DEENADAYALAN SELVARAJ,
Team Manager, Embedded System
Engineer, Valeo India Private
Limited, Chennai-600150

DATE: 04.10.24
TIME: 2.00 PM - 3.30 PM

VENUE: Seminar Hall

All are Welcome !!!

GUEST LECTURE ON "INTELLIGENT IOT: LEVERAGING AI AND ML FOR SMARTER SOLUTIONS"

Date of Event : 29.09.2025
Organised By : IEEE SB and Department of ECE
Resource Person : Mr. Elanthriyan S., Data Scientist at Meister-Gen Technologies Private Limited, IIT Madras Research Park

ABOUT THE EVENT:

A Guest Lecture on "Intelligent IoT: Leveraging AI and ML for Smarter Solutions" was held on 26th September 2024. The lecture was delivered by Mr. Elanthriyan S., Data Scientist at Meister-Gen Technologies Private Limited, IIT Madras Research Park, who provided deep insights into the integration of Artificial Intelligence (AI) and Machine Learning (ML) with the Internet of Things (IoT) to create innovative and intelligent solutions. Mr. Elanthriyan discussed the role of AI and ML in enhancing IoT capabilities, such as predictive analytics, automation, and adaptive decision-making. He also highlighted practical applications across industries, ranging from healthcare and smart cities to industrial automation, emphasizing how intelligent IoT is shaping the future of connected systems. The session was highly interactive, enabling participants to engage in discussions on emerging technologies, innovative use cases, and the future scope of AI-driven IoT. The lecture not only strengthened students' conceptual understanding but also encouraged them to pursue advanced research and practical projects in this transformative field.



The poster features the logos of Sri Manakula Vinayagar Engineering College (an autonomous institution) and the Department of Electronics and Communication Engineering. It also includes the IEEE Student Branch logo, jointly organized. The event title is "INTELLIGENT IOT: LEVERAGING AI AND ML FOR SMARTER SOLUTIONS". A circular portrait of Mr. Elanthriyan S., Data Scientist at Meister-Gen Technologies Private Limited, IIT Madras Research Park, is centered. The date is 29.09.2024 and the time is 2:00 PM to 3:30 PM. The coordinator is Dr. N. Saranya, Assistant Professor/ECE. A Google Meet link is provided: <https://meet.google.com/frn-bcjl-pcz>.



GUEST LECTURE ON “AI TRENDS IN INDUSTRY 4.0 TECHNOLOGY”

Date of Event : 20.09.2024
Organised By : IEEE SB and Department of ECE
Resource Person : Mrs. P. Subha Priya, Senior Data Analyst at Neub Altics Tech Pvt Ltd, Chennai

ABOUT THE EVENT:

An engaging guest lecture on "AI Trends in Industry 4.0 Technology" was organized on 20th September 2024. The session was conducted by Mrs. P. Subha Priya, Senior Data Analyst at Neub Altics Tech Pvt. Ltd., Chennai, who shared valuable insights into the evolving role of Artificial Intelligence in driving modern industrial advancements. Mrs. Subha Priya discussed the impact of AI on Industry 4.0, highlighting its applications in automation, smart manufacturing, data analytics, and predictive maintenance. She emphasized how AI-driven solutions are transforming industries by enhancing productivity, efficiency, and decision-making. The lecture provided participants with a broader understanding of emerging AI technologies and their relevance to the future of industrial growth. The interactive session motivated students to explore AI applications further and inspired them to consider research and career opportunities in the domain of Industry 4.0.



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

**GUEST LECTURE ON “AI
TRENDS IN INDUSTRY 4.0
TECHNOLOGY
APPLICATIONS**

Resource Person
Mrs. P. Subha Priya,
Senior Data Analyst at Neub Altics Tech Pvt Ltd,
Chennai

IEEE

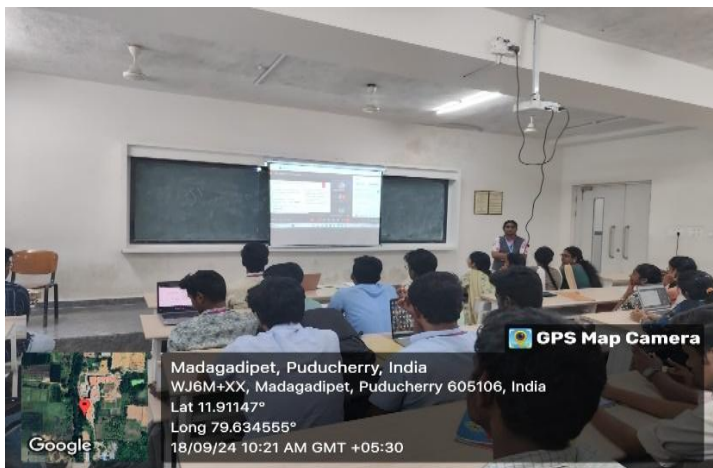
Date: 20.09.2024
Time: 11.30 PM to 4.00 PM
Venue: ECE Seminar Hall

GUEST LECTURE ON “APPLIED SIGNAL AND SYSTEMS: MATLAB TECHNIQUES FOR MODERN ENGINEERING CHALLENGES”

Date of Event : 18.09.2024
Organised By : IEEE SB and Department of ECE
Resource Person : Dr. Malaya Kumar Nath, Assistant Professor, NIT, Karaikal

ABOUT THE EVENT:

A Guest Lecture on "Applied Signal and Systems: MATLAB Techniques for Modern Engineering Challenges" was conducted on 18th September 2024. The session was delivered by Dr. Malaya Kumar Nath, Assistant Professor at NIT Karaikal, who shared his expertise on applying MATLAB techniques to address complex engineering problems. Dr. Nath emphasized the role of MATLAB as a powerful tool for signal and systems analysis, demonstrating its applications in solving modern engineering challenges across communication, control systems, and data processing. He provided practical insights into simulation, modeling, and problem-solving techniques, bridging theoretical concepts with real-world scenarios. The lecture enriched participants' understanding of MATLAB's potential in engineering problem-solving and encouraged them to explore innovative approaches in research and practical applications. The session concluded with an engaging discussion, where students interacted actively with the resource person, clarifying concepts and exploring future applications.



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Puducherry

DEPARTMENT OF
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APPLIED SIGNAL AND SYSTEMS:
MATLAB TECHNIQUES FOR MODERN
ENGINEERING CHALLENGES

Resource Person
Dr. Malaya Kumar Nath,
Assistant Professor, NIT,
Karaikal

Event Details
Date: 18.09.2024
Organized by: N. Jothy
Associate Professor

GUEST LECTURE ON “MICRO ARCHITECTURE OVERVIEW VIA DSP ALGORITHMS”

Date of Event : 14.09.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Dr. K. Rajasekar, Senior Project Engineer, CDAC Bangalore

ABOUT THE EVENT:

An insightful guest lecture on "Micro Architecture Overview via DSP Algorithms" was organized on 14th September 2024. The session was delivered by Dr. K. Rajasekar, Senior Project Engineer at CDAC, Bangalore, who offered an in-depth perspective on the intricate connection between microarchitecture and digital signal processing (DSP) algorithms. Dr. Rajasekar discussed the critical role of microarchitecture in enhancing DSP algorithm efficiency and highlighted how architectural design decisions directly influence system performance. The lecture provided participants with practical insights into the integration of hardware and algorithmic concepts, bridging theoretical knowledge with real-world applications in modern embedded systems. The interactive session enabled students to gain a deeper understanding of microarchitecture concepts, encouraged them to explore advanced topics in digital signal processing, and inspired research-oriented thinking in this domain.



 **SRI MANAKULA VINAYAGAR**
ENGINEERING COLLEGE
(AN ISO 9001:2015 CERTIFIED INSTITUTION)
Madagadipet, Puducherry-605107

DEPARTMENT OF ECE AND IEEE
STUDENT BRANCH

Guest Lecture
on
MICRO ARCHITECTURE OVERVIEW VIA DSP
ALGORITHMS”

 **IEEE** **RESOURCE PERSON**



Dr. K. Rajasekar, Senior Project Engineer, CDAC
Bangalore

 **Program Details**

Date: 14. 09. 2024 **Time:** 10.30 am to 12.30 pm
Participants: III-Year ECE Students
Venue: New Block, III - Floor, Seminar Hall

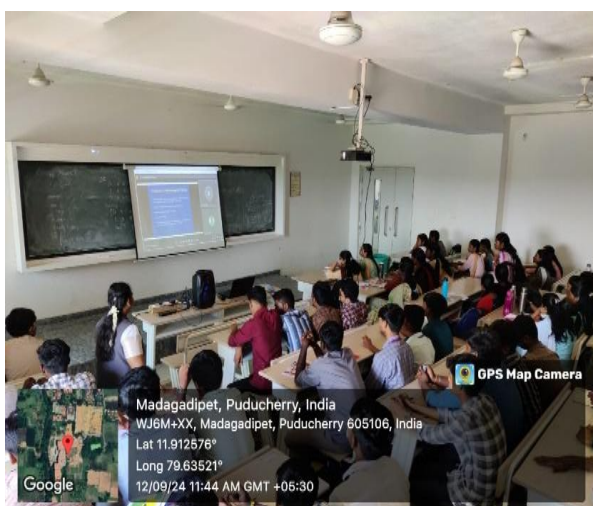
Program Convenor
Dr. T. Gayathri, HoD/Mathematics

Program Coordinators
Dr. B. Kanimozhi Dr. S. Rajakumar
Professor/Mathematics Professor/Mathematics

GUEST LECTURE ON “THE THEORY BEHIND ELECTROMAGNETISM AND ITS APPLICATION

Date of Event : 12.09.2024
organized By : IEEE SB and Department of EEE
Resource Person : Dr. Padmalingam, Assistant Professor at IIIT Tiruchirappalli

A Guest Lecture on “The Theory behind Electromagnetism and its Application” was organized on 12th September 2024, delivered by Dr. Padmalingam, Assistant Professor at IIIT Tiruchirappalli. The session offered valuable insights into the fundamental principles of electromagnetism and its wide range of practical applications in modern engineering and technology. Dr. Padmalingam explained the theoretical foundations of electromagnetism and demonstrated how these concepts are applied in diverse areas such as communication systems, power electronics, electromagnetic devices, and emerging technologies. His talk bridged the gap between theory and practice, providing participants with a deeper appreciation of electromagnetism’s role in advancing innovation. The lecture was highly informative and beneficial to students, research scholars, and faculty members, inspiring them to further explore the applications of electromagnetism in the field of electronics and communication engineering.



Madagadipet, Puducherry, India
WJ6M+XX, Madagadipet, Puducherry 605106, India
Lat 11.912576°
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12/09/24 11:44 AM GMT +05:30


SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry

IEEE Student Branch & Department of Electronics and Communication Engineering

IEEE

Organizing Seminar on

THE THEORY BEHIND ELECTROMAGNETISM AND ITS APPLICATION

 Dr. Padmalingam, Assistant Professor at IIIT Tiruchirappalli

Event Details
Date: 12.09.2024
Time: 9.30 Am to 04.30 Pm
Organizer: Dr. N. Saranya & Dr. S. Ashokkumar
Assistant Professor
Department of ECE

GUEST LECTURE ON INTERNET OF THINGS (IOT) FOR SMART CITIES

Date of Event : 14.09.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Mr. Brammananthan, Engineer at Whirlpool of India Limited,
Puducherry

ABOUT THE EVENT:



The EEE Department and IEEE SB jointly organized a guest lecture on "Internet of Things (IoT) for Smart Cities" on September 14, 2024. The lecture was delivered by Mr. Brammananthan, an engineer at Whirlpool of India Limited, Puducherry. During the session, Mr. Brammananthan explored the transformative impact of IoT in the development of smart cities, highlighting its growing significance in urban planning and development. He emphasized the potential of IoT technologies to improve the quality of life in cities through various applications such as intelligent traffic management, waste management, smart grids, and urban mobility. The lecture provided valuable insights into the role of IoT in creating efficient, sustainable, and livable urban environments. A total of 108 participants attended the lecture, engaging with the speaker's expert insights and benefiting from the knowledge shared on the applications and potential of IoT in shaping future smart cities.

GUEST LECTURE ON “EXPLORING EMBEDDED SYSTEMS IN ELECTRIC VEHICLES”

Date of Event : 27.07.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Er. S. Selva Kumar, Senior Engineer, Qualcomm India Pvt. Ltd

ABOUT THE EVENT:

The EEE Department and IEEE SB organized a guest lecture on “Exploring Embedded Systems in Electric Vehicles” by Er. S. Selva Kumar, Senior Engineer at Qualcomm India Private Limited, on 27th July 2024, from 11:00 AM to 02:00 PM. The session began with an introduction to the significance of embedded systems in the design and operation of modern electric vehicles (EVs). The speaker provided an in-depth overview of embedded systems as dedicated computing units designed to perform specific tasks. He emphasized their critical role in managing vital functions such as battery management, motor control, and energy optimization within EVs. The lecture concluded with a discussion on recent trends and advancements in the use of embedded systems in electric vehicles, showcasing their growing importance in the evolving automotive landscape. A total of 108 participants from 3rd year attended the lecture, benefiting from the insights shared during the session.



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

IEEE

**GUEST LECTURE ON “EXPLORING
EMBEDDED SYSTEMS IN ELECTRIC
VEHICLES”**

Resource Person
Er. S. Selva Kumar, Senior
Engineer, Qualcomm India Pvt.
Ltd

Event Details
Date: 27.7.2024
Organized by: N. Jothy
Associate Professor

GUEST LECTURE ON IOT DATA LIFECYCLE FROM COLLECTION TO ANALYSIS AND BEYOND

Date of Event : 13.07.2024
Organised By : IEEE SB and Department of BME
Resource Person : Mrs. S. Sivasankari, a Senior Manager in Digital Solutions at NTT Data Services, Chennai

ABOUT THE EVENT:


Sri Manakula Vinayagar Engineering College in Puducherry, through the IEEE Students Branch and the Department of Biomedical Engineering, is organizing a guest lecture titled "IoT Data Lifecycle - From Collection to Analysis and Beyond." This lecture will cover the comprehensive process of managing IoT data, from its initial collection to its analysis and subsequent applications. Attendees will gain insights into the entire lifecycle of IoT data, understanding the critical stages and methodologies involved in effectively handling and utilizing this data. The event will be led by Mrs. S. Sivasankari, a Senior Manager in Digital Solutions at NTT Data Services, Chennai, who brings extensive expertise and practical experience to the topic. Scheduled for April 13, 2024, from 9:30 AM to 11:30 AM, this session is a valuable opportunity for students, professionals, and enthusiasts interested in the intricacies of IoT data management. Participants can look forward to enriching their knowledge and skills in this rapidly evolving field.



**SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE**
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Puducherry - 605 107



IEEE Students Branch
and
Department of Bio Medical Engineering
Organizes
Guest Lecture on
**IoT Data Lifecycle - From
Collection to Analysis and
Beyond**
9.30 AM to 11.30 AM | 13th April, 2024



Mrs.S.Sivasankari, Digital Solutions
Senior Manager, NTT Data Services
Chennai

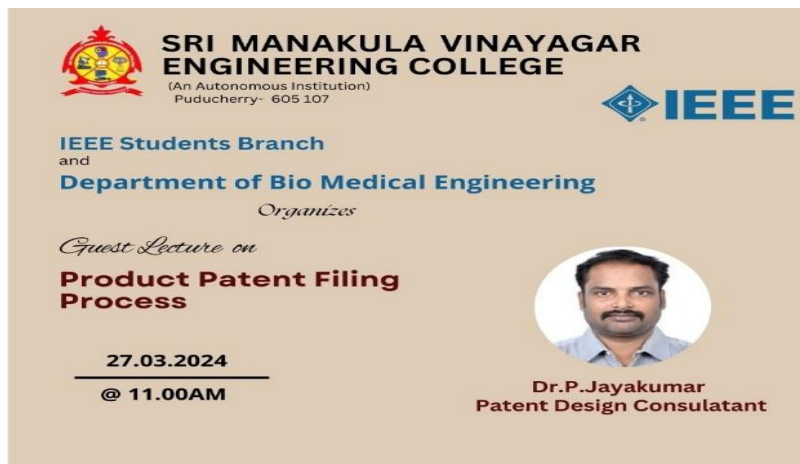


GUEST LECTURE ON PRODUCT PATENT FILING PROCESS

Date of Event : 27.03.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Dr. P. Jayakumar, Patent Design Consultant

ABOUT THE EVENT:

Sri Manakula Vinayagar Engineering College in Puducherry, under the IEEE Students Branch and the Department of Biomedical Engineering, is hosting a guest lecture on the "Product Patent Filing Process." The event aims to provide insights into the procedural aspects of filing product patents, a crucial step for innovators and researchers. Dr. P. Jayakumar, a renowned Patent Design Consultant, will be the speaker, sharing his expertise and knowledge on the subject. The lecture is scheduled to take place on March 27, 2024, at 11:00 AM. This event promises to be an invaluable opportunity for students and professionals interested in patenting their inventions.



The poster features the logos of Sri Manakula Vinayagar Engineering College and IEEE. It lists the organizing departments and the guest speaker, Dr. P. Jayakumar, along with the date and time of the event.

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

IEEE

IEEE Students Branch
and
Department of Bio Medical Engineering
Organizes

Guest Lecture on
Product Patent Filing Process

27.03.2024
@ 11.00AM

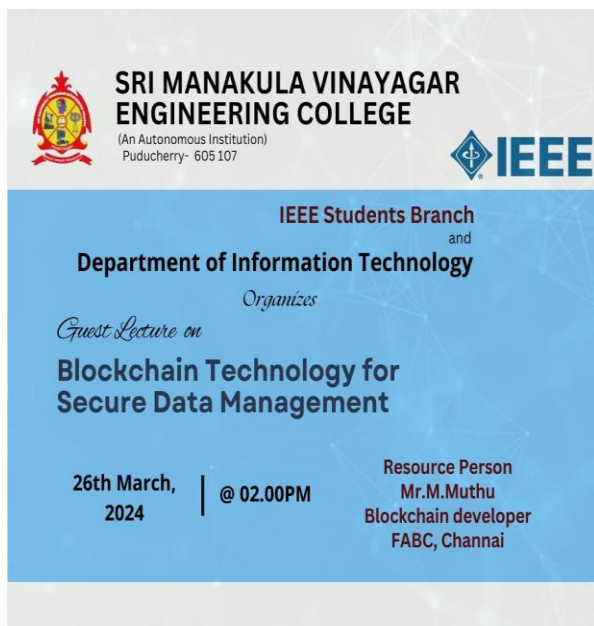
Dr.P.Jayakumar
Patent Design Consulatat



GUEST LECTURE ON BLOCKCHAIN TECHNOLOGY FOR SECURE DATA MANAGEMENT

Date of Event : 26.03.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Mr. M. Muthu, a Blockchain Developer from FABC, Chennai

ABOUT THE EVENT:



The IEEE Students Branch and the Department of Information Technology at Sri Manakula Vinayagar Engineering College, Puducherry, are organizing a guest lecture on "Blockchain Technology for Secure Data Management." The lecture will be delivered by Mr. M. Muthu, a Blockchain Developer from FABC, Chennai. Scheduled for March 26, 2024, at 2:00 PM, this session aims to provide insights into the application of blockchain technology in enhancing data security.

GUEST LECTURE ON INDUSTRIAL EXPERIENCE AND TECHNOLOGY EXPECTATIONS

Date of Event : 14.03.2024

Organised By : IEEE SB and Department of EEE

Resource Person : Mr. Chinmoy Baliyar Singh.R, Senior Platform Architect,
Ericsson, Sweden

ABOUT THE EVENT:

The IEEE Students Branch and the Department of Electrical and Electronics Engineering at Sri Manakula Vinayagar Engineering College in Puducherry are organizing a guest lecture titled "Industrial experience and technology expectations." The lecture will be delivered by Mr. Chinmoy Baliyar Singh.R, a Senior Platform Architect at Ericsson Sweden. The event is scheduled for March 14, 2024, from 2:30 PM to 4:30 PM. This session aims to provide valuable insights into industry trends and the expectations from technology professionals.

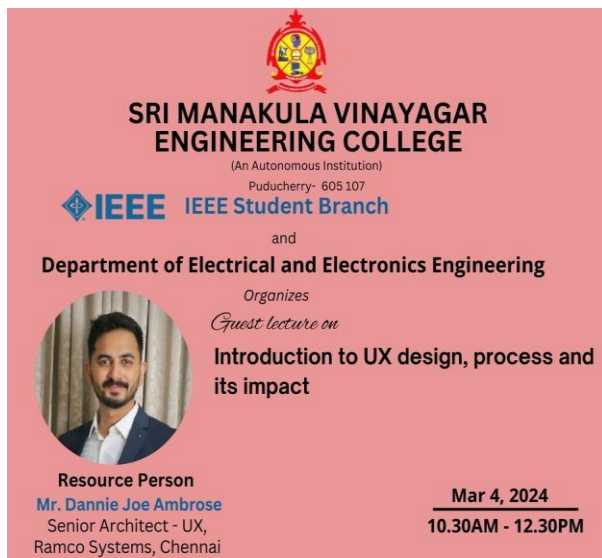


GUEST LECTURE ON INTRODUCTION TO UX DESIGN, PROCESS AND ITS IMPACT

Date of Event : 04.03.2024
Organised By : IEEE SB and Department of EEE
Resource Person : Mr. Dannie Joe Ambrose, Senior Architect- UX, Ramco Systems, Chennai

ABOUT THE EVENT:

Sri Manakula Vinayagar Engineering College, in collaboration with the IEEE Student Branch and the Department of Electrical and Electronics Engineering, is organizing a guest lecture on "Introduction to UX Design, Process, and Its Impact." The event is scheduled for March 4, 2024, from 10:30 AM to 12:30 PM. The lecture will be delivered by Mr. Dannie Joe Ambrose, Senior Architect - UX at Ramco Systems, Chennai. This session will provide valuable insights into the fundamentals of User Experience (UX) design, its processes, and its significant impact on product development and user satisfaction. The guest lecture will be delivered by Mr. Dannie Joe Ambrose, who serves as a Senior Architect specializing in User Experience (UX) at Ramco Systems in Chennai. With extensive experience in the field of UX design, Mr. Ambrose will provide attendees with a comprehensive understanding of the fundamentals of UX design. The session will cover the essential principles and methodologies involved in creating effective and user-friendly interfaces.



The poster features the college's crest at the top, followed by the text: **SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE** (An Autonomous Institution) Pudukerry- 605 107. Below this is the IEEE Student Branch logo and the text: **Department of Electrical and Electronics Engineering**. It then states: *Organizes* **Guest lecture on Introduction to UX design, process and its impact**. A circular portrait of Mr. Dannie Joe Ambrose is shown, with the text: **Resource Person** **Mr. Dannie Joe Ambrose** Senior Architect - UX, Ramco Systems, Chennai. At the bottom right, the date and time are listed: **Mar 4, 2024** **10.30AM - 12.30PM**.

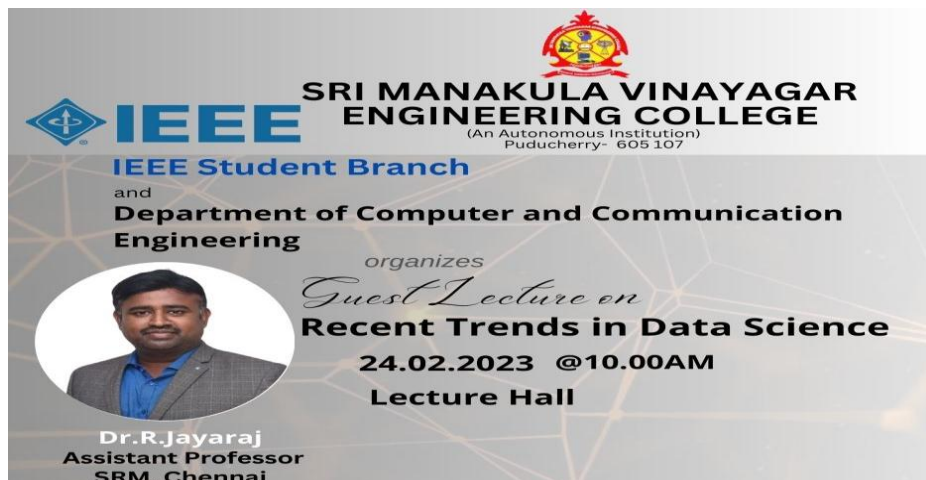


GUEST LECTURE ON "RECENT TRENDS IN DATA SCIENCE"

- Date of Event** : 24.02.2024
- Organised By** : IEEE SB and Department of CCE
- Resource Person** : Dr. R. Jayaraj, an Assistant Professor from SRM, Chennai

ABOUT THE EVENT:

The IEEE Student Branch and the Department of Computer and Communication Engineering at Sri Manakula Vinayagar Engineering College in Puducherry are organizing a guest lecture on "Recent Trends in Data Science." The lecture will be delivered by Dr. R. Jayaraj, an Assistant Professor from SRM, Chennai. This event is scheduled to take place on the 24th of February, 2023, at 10:00 AM in the Lecture Hall. The lecture aims to provide insights into the latest developments and trends in the field of data science, making it an invaluable session for students and professionals interested in this area.



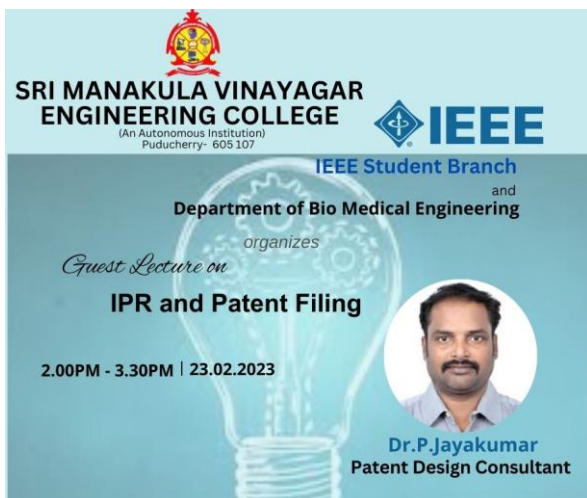
The poster features the IEEE logo on the left and the Sri Manakula Vinayagar Engineering College logo at the top center. The text reads: "SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE (An Autonomous Institution) Puducherry- 605 107". Below this, it says "IEEE Student Branch and Department of Computer and Communication Engineering organizes Guest Lecture on Recent Trends in Data Science 24.02.2023 @10.00AM Lecture Hall". A circular portrait of Dr. R. Jayaraj is shown on the left, with his name and title "Dr.R.Jayaraj Assistant Professor SRM, Chennai" below it.



GUEST LECTURE ON IPR AND PATENT FILING

- Date of Event** : 23.02.2024
- Organised By** : IEEE SB and Department of BME
- Resource Person** : Dr. P. Jayakumar, Patent Design Consultant

ABOUT THE EVENT:



BME Department & IEEE SB organized a guest lecture on “IPR and Patent Filing”, by Dr.P.Jayakumar, Patent Design Consulatatn. on 23rd February, 2024 between 02.00 PM to 03.30 PM. Speaker started the session with essential aspects of intellectual property rights (IPR), focusing on patent filing procedures. Finally concluded with recent trends and best practices in patent filing. A total of 67 participants attended the guest lecture and made use of it. The IEEE Students Branch and the Department of Biomedical Engineering at Sri Manakula Vinayagar Engineering College organized an insightful guest lecture on the "IPR and Patent Filing Process" on the 27th of March, 2024. The session was conducted by Dr. P. Jayakumar, a distinguished Patent Design Consultant, who shared his extensive knowledge and experience in the field of intellectual property rights (IPR) and the patent filing process.

GUEST LECTURE ON ELECTRIC VEHICLE –FUTURE AND CHALLENGES

Date of Event : 21.02.2024

Organised By : IEEE SB and Department of EEE

Resource Person : Dr. G. K.Sathish kumar, Manager of R&D, Manatec E-Drive Pvt. Ltd, Puducherry

ABOUT THE EVENT:

On February 21, 2024, from 11:00 AM to 1:00 PM, the Department of Electrical and Electronics Engineering (EEE) in conjunction with the SMVEC IEEE Student Branch (SB) hosted a highly informative guest lecture titled "Electric Vehicle - Future and Challenges." The event featured Dr. G.K. Sathish Kumar, who serves as the Manager of Research and Development (Power Electronics) at Manatec E-Drive Pvt. Ltd in Puducherry, as the distinguished speaker.

Dr. Kumar brought a wealth of expertise and experience to the session, captivating the audience with his in-depth knowledge of electric vehicles (EVs). He began by exploring the fundamental design aspects of EVs, detailing the technological advancements that have driven the development of these vehicles. His presentation included a comprehensive overview of the key components that constitute an EV, such as the electric motor, battery management system, and power electronics.



Furthermore, Dr. Kumar emphasized the significance of recent government amendments and policies related to electric vehicles. He discussed how these legislative changes are shaping the future of EV technology and the automotive industry as a whole. He highlighted various

incentives and regulations that governments around the world are implementing to encourage the adoption of electric vehicles, underscoring their impact on research, development, and commercial viability.

The session was interactive, with students and faculty members actively engaging in discussions and posing questions. Dr. Kumar's insights into the challenges and opportunities facing the EV industry provided attendees with a clear understanding of the path forward. The lecture concluded with a vote of thanks, recognizing Dr. Kumar's valuable contributions and the efforts of the organizers in making the event a success. The participants left with a renewed interest and deeper appreciation for the future of electric vehicles and the critical role they will play in sustainable transportation.

OTHER EVENTS (SUCH AS AWARENESS PGMS / COMPETITIONS / FIELD VISITS / QUIZZES / DISCUSSION MEETINGS ETC) PL. INCLUDE ONLY THE ACTIVITIES ORGANISED BY THE IEEE SBS AND NOT BY THE INSTITUTION / OTHER DEPTS

EMPOWERING STUDENT INNOVATION : A GUIDE TO IEEE SEED PROJECT

Date of Event : 27 .09.2024

Organised By : IEEE SB and Department of ECE

Resource Person : **Dr. V. Nagarajan , Professor, Department of Electronics Engineering, Pondicherry University**

About the Event:

The Department of Electronics and Communication Engineering and the IEEE Student Branch (STB 62381) at Sri Manakula Vinayagar Engineering College organized a guest lecture titled “Empowering Student Innovation: A Guide to IEEE SEED Project Funding” on September 27, 2024. The event was held at the college premises and catered to IEEE student members and faculty. The resource person for the lecture was Dr. V. Nagarajan, Professor, Department of Electronics Engineering, Pondicherry University. His expertise and extensive knowledge in the field made him an ideal speaker to guide participants on the various funding opportunities provided by IEEE, particularly the SEED Project Funding initiative.

The session took place from 10:00 AM to 01:00 PM, with an attendance of 7 staff members and 180 students, showcasing significant interest and engagement from the academic community. The primary objective of the lecture was to educate IEEE student members and faculty on the importance of leveraging IEEE funding opportunities to foster innovation and research. Dr. Nagarajan elaborated on the methodologies and best practices for approaching IEEE funding programs, providing attendees with valuable insights into proposal writing, project selection, and the evaluation criteria for securing funds. He emphasized how these opportunities can empower students to translate their innovative ideas into actionable projects, contributing to their professional growth and societal impact. The session concluded with an interactive Q&A segment, where participants sought clarification and additional guidance on their specific project ideas and funding queries. The event

successfully enhanced the participants' understanding of the IEEE SEED Project Funding process, motivating them to explore and utilize these opportunities for their academic and professional development. While no exclusive funds were received from IEEE for this event, the lecture proved to be a pivotal initiative in aligning students and faculty with the mission of fostering innovation through IEEE resources.

The poster is a dark blue graphic with white and light blue text and logos. At the top center, it features the Sri Manakula Vinayagar Engineering College logo (a stylized sun and book) and a '25th Anniversary' emblem. Below this, the text reads 'SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE (AN AUTONOMOUS INSTITUTION)'. The organizing department is 'Department of Electronics and Communication Engineering', which 'Organizes' the event. The IEEE logo is prominently displayed with 'IEEE SB 62.381' underneath. The event title is '“Empowering Student Innovation: A Guide to IEEE SEED Project Funding”', described as an 'Awareness Programme on'. The date and time are '27.09.24 | 10:30 am - 11:30 am | Conference Hall'. A circular portrait of Dr. V. Nagarajan, a man in a blue suit and glasses, is on the right. His name and title, 'Professor, Department of Electronics Engineering, Pondicherry University', are listed below the portrait.



MATHWORK - MODEL BASED DESIGN CHALLENGE" COMPETITION

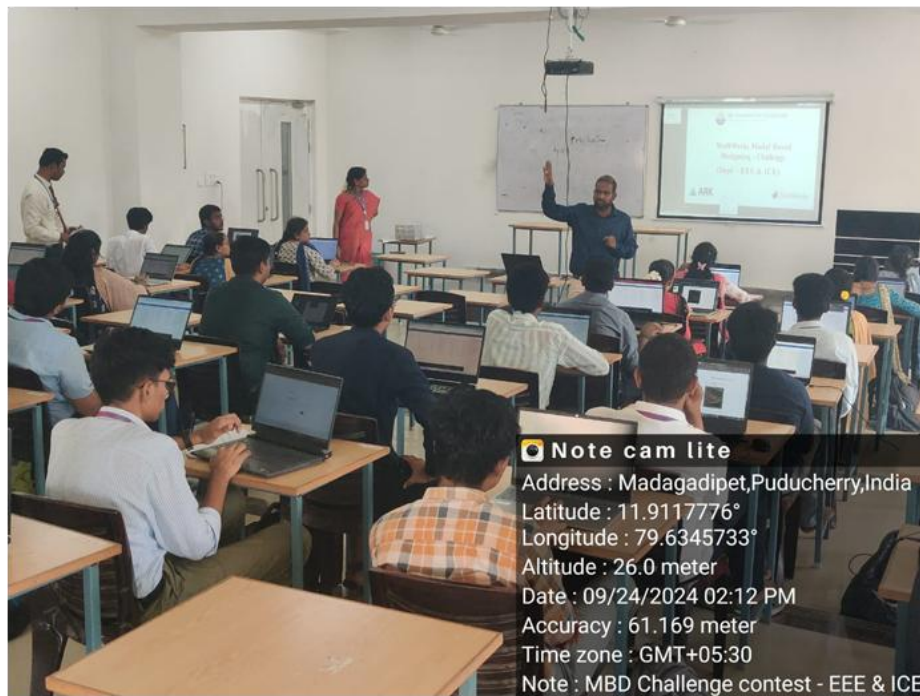
Date of Event : 24.09.2024

Organised By : IEEE SB and Department of EEE

Resource Person : Vivek Ashokan, Regional Manager, MathWorks

About the Event:

The Department of EEE and IEEE SB organized a "Model Based Design Challenge" competition in collaboration with MathWorks Ark Info solutions Private Limited, Chennai. The event took place on September 24, 2024, at the EEE Seminar Hall, SMVEC, and was open to EEE and ICE students. A total of 49 students were shortlisted to participate in the competition based on their performance in MATLAB onramp courses. The Regional Manager Vivek Ashokan conducted this competition. The MathWorks Model-Based Design Challenge is an annual competition that aims to showcase the proficiency of engineering students in using MATLAB and Simulink to solve complex, real-world problems. The challenge involves leveraging Model-Based Design (MBD) methodologies to create and validate system models, simulate behaviors, and implement control systems.





Note cam lite

Address : Madagadipet,Puducherry,India

Latitude : 11.9122269°

Longitude : 79.6348873°

Altitude : 26.0 meter

Date : 09/24/2024 04:58 PM

Accuracy : 96.327 meter

Time zone : GMT+05:30

Note : MBD Challenge contest - EEE & ICE

TECHNICAL VISIT TO NEST TECHNOLOGIES AND SPECTRUM SOFT TECH

Date of Event : 24.08.2024

Organised By : IEEE SB and Department of ECE

About the Event:

The Sri Manakula Vinayagar Engineering College Student Branch (STB 62381) conducted a field visit event on August 24, 2024. The event, titled "Field Visit for Societal Problem Identification and Analysis," aimed to engage with village people and identify societal problems. A team of 2 staff members and 12 IEEE student members from the Department of Electronics and Communications Engineering participated in the event. Divided into two batches, they visited the surrounding villages, interacting with the local community, discussing their problems, and offering guidance and recommendations for improvement.





SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

PUDUCHERRY, INDIA

SMVEC IEEE STUDENT CHAPTER



Advancing Technology
for Humanity

YEAR AT A GLANCE



EVENTS
CONDUCTED



WORKSHOPS
& SEMINARS



TECHNICAL
PROJECTS



COMPETITIONS &
HACKATHONS



STUDENT
BENEFICIARIES



INDUSTRY & IEEE
COLLABORATIONS

“ Empowering Innovators.
Inspiring the Future. ”

