SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry

IEEE

IEEE STB 62381

REPORT ON IEEE STUDENT BRANCH
March 2024 - May 2024

ABOUT THE INSTITUTION

Sri Manakula Vinayagar Engineering College (SMVEC) established in the year 1999. SMVEC is an autonomous institution affiliated to Pondicherry University. It offers 14 undergraduate, 8 postgraduate, and 11 research programs in Engineering, Architecture, Management Studies and Computer Applications. 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 MNC companies in India and abroad. SMVEC students have won many awards and accolades for their academic achievements.

Vision

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 for creating intellectuals with new avenues.

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

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

ABOUT IEEE STUDENT BRANCH

The American Institute of Electrical Engineers and the Institute of Radio Engineers merged to create the IEEE on January 1, 1963. IEEE has over 460,000 members in 190 countries, with the U.S. based membership no longer constituting a majority. IEEE produces over 30% of the worlds literature in the electrical and electronics engineering and computer science fields, publishing approximately 200 peer-reviewed journals and magazines. IEEE publishes more than 2,000 conference proceedings every year. The IEEE provides learning opportunities within the engineering sciences, research, and technology. IEEE offers educational opportunities such as IEEE e Learning Library, the Education Partners Program, Standards in Education and Continuing Education Units (CEUs). IEEE also sponsors a website designed to help young people better understand engineering, and how an engineering career can be made part of their future. Students of age 8–18, parents, and teachers can explore the site to prepare for an engineering career, ask experts engineering-related questions, play interactive games, explore curriculum links, and review lesson plans. Most IEEE members are electrical and electronics engineers, but the organizations wide scope of interests has attracted people in other disciplines as well (e.g., computer science, software engineering, mechanical engineering, civil engineering, biology, physics, and mathematics).

Guest Lecture on "Industrial Expectations"

EEE Department & IEEE SB organized a guest lecture on "Industrial experience and technology expectations", by Mr. Chinmoy Baliyar Singh.R, Senior Platform Architect, Ericsson Sweden on 14th March, 2024 between 03.30 PM to 04.30 PM. In today's rapidly evolving technological landscape, the intersection of industrial experience and technological advancements is crucial. This guest lecture explores the significance of industrial experience in shaping technology expectations. It delves into the dynamic nature of technology, highlighting how industrial insights can drive innovation and shape future technological trajectories.

Guest Lecture on "Blockchain Technology for Secure Data Management"

IT Dept. & IEEE SB organized a guest lecture on "Blockchain Technology for Secure Data Management", by Mr.M.Muthu, Blockchain developer, FABC, Channai on 26th March, 2024 between 02.00 PM to 04.00 PM. Speaker started the session with the concepts of Blockchain Technology with real time examples. Finally concluded with career opportunity in the field of Blockchain Technology and other related computer science domains. A total of 120 participants attended the Offline mode and made use of it.

Guest Lecture on "Product Patent Filing Process"

BME Department & IEEE SB organized a guest lecture on "Product Patent Filing Process ", by Dr.P.Jayakumar, Patent Design Consulatant. on 27th March 2024 between 11.00 AM to 01.00 PM. Speaker started the session with fundamentals of Intellectual Property Rights (IPR) and the patent filing process and covered the importance of patents in protecting inventions, including their role in fostering innovation and driving economic growth. Finally concluded with better understanding of how to

protect their intellectual property and leverage it for business success. A total of 87 participants attended the guest lecture and made use of it.

Guest Lecture on "IoT Data Lifecycle - From Collection to Analysis and Beyond"

CCE Department & IEEE SB organized a guest lecture on "IoT Data Lifecycle - From Collection to Analysis and Beyond", by Mrs.S.Sivasankari, Digital Solutions Senior Manager, NTT Data Services, Chennai on 13th April, 2024 between 9.30 AM to 11.30 AM. Speaker formally by introducing about her educational profile and different project over the period of her career. Then started the lecture with the importance of data, different stages of the data collection, integration, role of data analytics and explaining the step-by-step procedure with real time implementation. Finally concluded with case studies with respect to Industry 4.0 Technologies. A total of 48 participants attended the guest lecture and made use of it.

One day workshop on "Mobile Servicing and its troubleshooting"

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.