



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE (An Autonomous Institution) Puducherry



IEEE STB 62381

REPORT ON IEEE STUDENT BRANCH

December 2021 - February 2022

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).



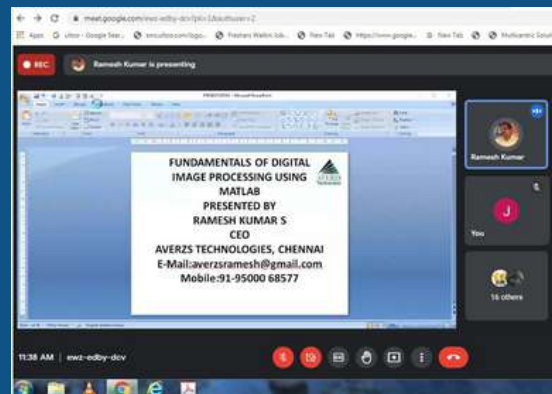
Webinar on “Industrial Utilities”



EEE Department & IEEE SB organized a webinar on “Industrial Utilities” by Mr. V.Chandrasekaran, Chief Executive Officer, NITAS, Chennai on 30th December, 2021 between 10.00 AM to 11.30 AM. This webinars often explore cutting-edge technologies, best practices, regulatory compliance, and cost-saving strategies to optimize utility usage while ensuring operational reliability and environmental responsibility. Students gain insights into improving resource management, enhancing productivity, and reducing operational costs in industrial operations through better utilization and management of utilities.

Guest lecture on “Fundamentals of Digital Image Processing using MATLAB”

A guest lecture on "Fundamentals of Digital Image Processing using MATLAB" was arranged by the IEEE SB and the ECE Department on February 16, 2022, from 10.30 to 12.00 am. Mr. S. Ramesh Kumar, CEO of Averzs Technologies in Chennai, was our speaker for the day. He possesses extensive knowledge in digital image processing, signals, and systems. The resource person gave a presentation on MATLAB-based image processing.



Guest lecture on “Electric Vehicle - Future and Challenges”





On February 21st, 2022, from 11:00 am to 1:00 pm, the EEE Department and SMVEC IEEE SB jointly hosted a guest lecture titled "Electric Vehicle - Future and Challenges." Dr. G.K. Sathish Kumar, Manager of R&D (Power Electronics) at Manatec E-Drive Pvt. Ltd, Puducherry, was the esteemed speaker. During the session, Dr. Kumar discussed the design of Electric Vehicles (EVs) and emphasized the significance of recent government amendments related to this field.

Guest lecture on “Software Testing”



CCE Department & IEEE SB organized a guest lecture on “Software Testing”, by Mr.S.Deepan, Project Manager, Cognizant Technology Solutions Company, Chennai on 23rd February, 2022 between 10 AM to 12 PM. The Speaker begins the session by evaluating and verifying that a software product or application quality to ensure it meets user requirements. A total of 45 participants attended the guest lecture and made use of it.