



## REPORT ON IEEE STUDENT BRANCH

December 2023 - February 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 “IPR and Patent Filing”



BME Department & IEEE SB organized a guest lecture on “IPR and Patent Filing”, by Dr.P.Jayakumar, Patent Design Consulatant. 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 87 participants attended the guest lecture and made use of it.

### Guest Lecture on “Recent Trends in Data Science “



CCE Department & IEEE SB organized a guest lecture on “Recent Trends in Data Science”, by Dr.R.Jayaraj, Assistant Professor, SRM Institute of Science and Technology, Chennai on 24th February, 2024 between 10.00 AM to 11.30 AM. Speaker started the session with the basics of data science and its importance in higher education. Finally concluded with career opportunity in the field of Data scientist and their responsibilities when it comes to front-end development. A total of 46 participants attended the guest lecture and made use of it.