SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry

IEEE

IEEE STB 62381

REPORT ON IEEE STUDENT BRANCH
June 2022 - August 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).

Simplif-i "A 2-Day Boot Camp"

On July 7 and 8, 2022, IEEE SB & EEE Dept. hosted Simplif-i "A 2-Day Boot Camp." 140 teams submitted concepts for the Innovation Challenge Contest (ICC'22), and 40 teams made the short list during the initial screening round. On April 12, 2022, these teams made an engaging presentation in front of the distinguished jury members. The expert committee members have shortlisted the top 15 ideas. We have arranged "A 2 Day Boot Camp" jointly with Atal Incubation Centre, PECF, Puducherry for the shortlisted teams. In the Boot Camp, the Hands-On training was provided by Shri. V.Vishnu Varadan, CEO, AIC – PECF in the fields of Problem Identification, Customer Validation, Lean Canvas & Pitching and also guidelines were provided to convert their ideas into product for the benefit of society and to become an entrepreneur.

Webinar on "User Interface (UI)/User Experience (UX) Design"

The IT Department and IEEE SB invited Mr. Thivagar Natesh, Senior UI Designer at HackerEarth, Bangalore, to give a guest lecture on "User Interface (UI)/User Experience (UX) Design" on July 23, 2022, from 02.30 to 04.00 PM. The speaker used real-world examples to illustrate the concepts of UI/UX design. concluded with a potential computer science profession linked to UI/UX and other domains. A total of 180 individuals used and attended the webinar.

Webinar on "Artificial Intelligence and Machine learning"

On July 30, 2022, from 9.30 AM to 12.30 PM, the CSE Department and IEEE SB hosted a webinar on "Artificial Intelligence and Machine Learning". The guest speaker was Dr. V.J. Chakravarthy, the principal of Chennai's Arulmigu Kabaliswarar Arts and Science College. Using real-world examples, the speaker explored the ideas of supervised and unsupervised learning. graduates hoping to find work in the machine learning and artificial intelligence fields. A total of 170 people used and viewed the webinar.
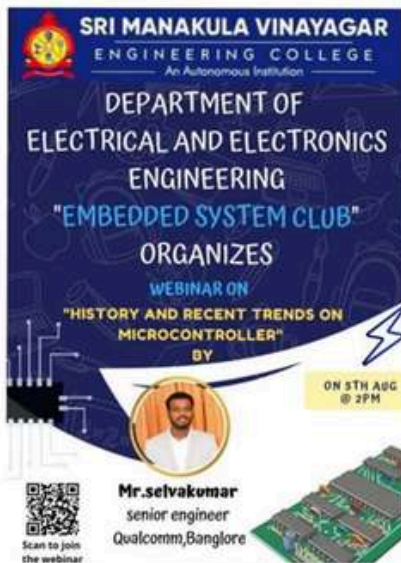
Workshop: "Hands on Training on Mobile Servicing"

A one-day "Hands on Training on Mobile Servicing" was arranged by the IEEE SB and the ECE Department on August 3, 2022, from 9:00 am to 4:00 pm. Mr. S. Kishore, Mr. A. Iyyappan, and Mr. Syed Saif (Hardware and Software Technician) from JSR Mobiles, Puducherry, were our trainers for the day. The goal of the hands-on training was to increase the participants' ability to work for themselves in the mobile servicing industry. By the end of the program, students had learnt about software installation, flashing, diagnostic tools, and troubleshooting mobile phone hardware.

Webinar on "History and Recent Trends on Microcontroller"

The IEEE SB and EEE Department co-hosted a webinar on August 5, 2022, from 2:00 to 3:30 p.m., with Mr. S. Selvakumar, Senior Engineer at Qualcomm, Bangalore, speaking on "History and Recent Trends on Microcontroller." The theme of the event was introduced by the speaker, who talked about the importance of complex microcontrollers and current advances in microcontroller technology. concluded with a prospective path for employment in the microcontroller industry. In total, 88 individuals watched and took part in the webinar.

Guest lecture on "Management of Hospital Equipment"

Mr. D. Murugan, a senior biomedical engineer at the VM Biomedical Training Academy in Chennai, gave a guest lecture on "Management of Hospital Equipment" on August 6, 2022, from 11 a.m. to 1:45 p.m. at the IEEE SB and BME department. The first part of the talk covered the basics of biomedical equipment and its importance in hospitals. Finally, conclude with a possible biomedical engineering career path. A total of 83 persons attended and made use of the guest talk.

Guest lecture on "Programmable Device"

Mr. A. Ashiq Ahamed, Managing Director and Chief Trainer of BYASTATE SYSTEMS, Pondicherry, gave a guest lecture on "Programmable Device" on August 6, 2022, from 10.30 AM to 12.30 PM, at the ICE Department and IEEE SB. The lecturer started out by going over the basics of programmable devices and logic circuits. Lastly, bring up the possibility of a career in VLSI design. A total of 105 individuals watched and participated in the webinar.