SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry

IEEE

IEEE STB 62381

REPORT ON IEEE STUDENT BRANCH

SEPTEMBER 2023 - NOVEMBER 2023

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 membersin 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).

Hands-on training session

IEEE Student Branch and Department of Electrical and Electronics Engineering jointly organized a Hands-on training session on 16th September 2023 from 01:00 PM to 04:00 PM. There were around 69 students from Third year EEE who enthusiastically took part in the training session. Students were split up into different domains and they were allowed to attend the training of their interest. Hands on training was organized on Embedded Systems, Renewable Energy Systems, Electric Vehicle Technology and Programming to train and acquire knowledge in specific domain to correlate between the working of real time applications.
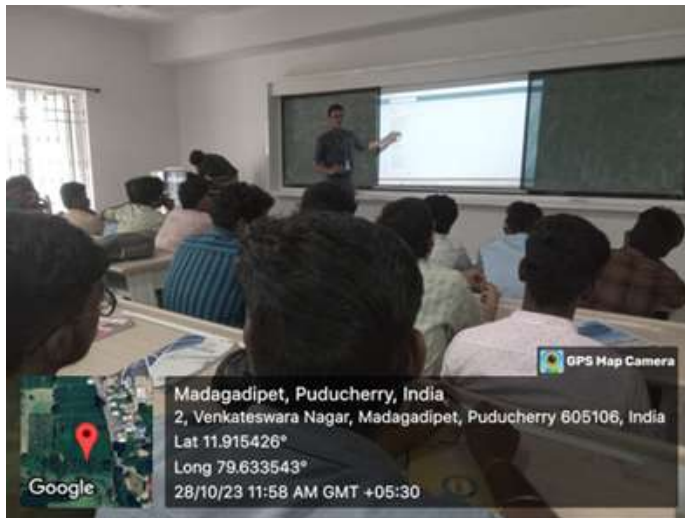
Hands-on training session

On October 28, 2023, from 9:00 AM to 12:00 PM, the Department of Electrical and Electronics Engineering and the IEEE Student Branch jointly arranged a hands-on training session. The training session was eagerly participated in by 54 second-year EEE students. Throughout the instruction, the voltage regulator circuit was put into practice. Students were able to create their own circuits and retrieve the output by attending the training sessions.

Seminar on the topic "Sensor and its Applications"

On October 28, 2023, from 11:00 AM to 12:00 PM, the IEEE Student Branch and the Department of Electrical and Electronics Engineering jointly organized a seminar with the theme "Sensor and its Applications." The session was eagerly attended by fifty first-year EEE students. An overview of the various kinds of sensors that are available, along with their applications, was presented in the first section of the workshop. Later, the mentioned sensor was utilized to construct circuits, giving the students a chance to see how real-time working

Circuit Debugging

ECE Dept & IEEE SB organized an event on "Circuit Debugging" on 31st October, 2023 between 02.00 pm to 04.30 pm. Mr.P.Mahendra Peruman, Mr.P.Suseendhar, Mrs.S.Anbarasi Assistant Professors in Department of Electronics and Communications Engineering, SMVEC conducted the Preliminary exam for 76 students. Out of 76 Students 18 students were shortlisted for the final Round. The final round was conducted and two students were shortlisted as winners.

Quiz competition on BIS

An Indian standard quiz competition was organized in collaboration between the IEEE Student Branch and the Department of Electrical and Electronics Engineering on November 23, 2023. Approximately twenty students from the EEE department participated in the quiz. This improved the students' understanding of the concepts behind Indian standards. And in line with Indian standards, this will enable customers to buy any goods with more caution.

Guest lecture on "Digital circuits-Principles and Applications"

A guest lecture was jointly arranged by the IEEE Student Branch and the Department of Instrumentation and Control Engineering for November 25, 2023, from 1:00 PM to 03:00 PM. Mr. Aashiq Ahamed, Managing Director and Chief Trainer of Bystate Systems, Puducherry, gave a guest lecture to the second and third year students on the subject of "Digital circuits-Principles and its applications."

Hands-on training session

A practical training session was jointly organized by the IEEE Student Branch and the Department of Electrical and Electronics Engineering on November 25, 2023, from 1:00 PM to 4:00 PM. A total of fifty-four First Year EEE students enthusiastically took part in the program. Students were allowed to build the rectifier circuit on a bread board before transferring it to a PCB. Additionally, they were taught how to sketch the PCB's circuit architecture using the Proteus program. The lesson imparted technical knowledge to the students.