



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE (An Autonomous Institution) Puducherry



IEEE STB 62381

REPORT ON IEEE STUDENT BRANCH

March 2022 - May 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).



Guest lecture on “Introduction to UX design, process and its impact”



On March 4, 2022, from 10.30 AM to 12.30 PM, the EEE Department and SMVEC IEEE SB hosted a guest lecture by Mr. Dannie Joe Ambrose, Senior Architect - UX, Ramco Systems, Chennai, on "INTRODUCTION TO UX DESIGN, PROCESS, AND ITS IMPACT." The talk, which drew in 425 attendees, began with an introduction to user experience (UX) and its significance in the context of digital transformation. Lastly, a career opportunity in the UX industry was mentioned.

Guest Lecture on “Artificial Intelligence in Natural Language Processing”

A live webinar on "Artificial Intelligence in Natural Language Processing" was arranged by the IEEE SB and the Department of Artificial Intelligence and Data Science on April 2, 2022, from 2:00 to 3:30 p.m. Dr. T. Kamaleshwar, an assistant professor of computer science and engineering at Vel Tech Rangarajan Dr. Sabunthala R&D Institute of Science and Technology in Avadi, Chennai, was our speaker for the day. The speaker had thrown insights on the use of Artificial Intelligence in Natural Language Processing. He had also given some hands-on session on chatbot creation using Dialogflow which is a natural language understanding platform that makes it easy to design and integrate a conversational user interface into your mobile app, web application, device, bot, interactive voice response system, and so on.. The latter 30 minutes was an interactive session between the speaker and the delegates.



Industrial Visit at KELTRON Power Electronics Group, Trivandram, Kerala for III year (Batch: 2019-2023)



The KELTRON Power Electronics Group in Trivandram, Kerala, was the site of an industrial visit organized by the IEEE SB and EEE Department on April 2, 2022. KELTRON is a multi-product manufacturer that produces everything from single electronics components to complex machines and systems. A total of 111 individuals visited and made use of the industry.

Industrial Visit at UNILEC, Kollam, Kerala for III year (Batch: 2019-2023)



On April 3, 2022, the EEE Department and IEEE SB arranged an industrial visit to UNILEC in Kollam, Kerala. The UNILEC company manufactures multifunction static meters with extra characteristics for various state utility services in India, such as the ability to indicate the maximum demand for energy consumption and instantaneous voltage and current. 111 Participants in all visited and utilized the industry.



Hands on Training on “IOT Applications”



A "Hands on Training on IOT application" was arranged by the ICE Department and IEEE SB on April 9, 2022, from 10.30 AM to 12.30 PM. The session will be facilitated by Mr. Lokeshwaran, Managing Director of YM Automation Pvt.Ltd, Coimbatore. The professor gave a brief introduction to IOT before getting right into some practical training on sensor-based IOT applications. Close with a possible IOT-related job move. 105 people in total viewed and took part in the webinar.

Webinar on “Web 3.0”

A webinar on "Web 3.0" was hosted by Mr. R. Logesh, Technical Lead at Kalajitha IT Solutions in Bangalore, by the IEEE SB and IT Department on April 9, 2022, from 11:00 AM to 12:30 PM. The speaker gave an overview of web development fundamentals and its significance before moving on. Lastly, the article discussed employment opportunities in Web development and other computer science-related fields. The webinar was attended and utilized by sixty people in total.



Seminar on “Introduction to e- Publishing”



An "Introduction to e-Publishing" seminar was arranged by the IEEE SB and the ECE Department on April 9, 2022, from 02.30 to 04.00 p.m. Mrs. M. Abarna, Senior Project Manager at Straive (SPi Global) Puducherry, was our speaker for the day. The lecturer began by going over the fundamentals of e-publishing and its significance in the business sector. The lecturer and the students engaged in participatory conversation for the final twenty minutes.

Innovation Challenge Contest 2022 (ICC'22)



EEE Dept & IEEE SB organized an Innovation Challenge Contest 2022 (ICC'22) on 12th Apr, 2022. The competition was conducted in the field of both hardware and software. In this event, 140 teams have applied their ideas and 40 teams were shortlisted in the first level of screening and they had actively presented in front of the esteemed Jury members. Many new innovate ideas were presented by students which would be helpful to the society once it is converted into products. The jury members were appreciated their innovative ideas and suggested the possible modifications to convert their ideas as a product. They provided the platform to collaborate with their organizations for further development of the ideas.



Guest lecture on “Recent Industry Trends in Information Technology”



IT Dept. & IEEE SB organized a guest lecture on “Recent Trends in Information Technology”, by Dr. S. Behin Sam – Assistant Professor, Dept. of Computer Science, Dr.Ambedkar Government Arts College (Autonomous) on 28th Apr, 2022 between 11.00 AM to 12.30 PM. Speaker started the session with the basics of Recent Trends in Information Technology and its importance. Finally, concluded with career opportunity in the field of computer science domains. A total of 65 participants attended the session and made use of it.