SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

<u>IETE-SF SVCE ACTIVITIES</u>

August 2023 to April 2024

1. Inauguration Ceremony:

The inauguration of the ECEA, IETE-SF, and RAIC for the academic year 2023-2024 took place on August 11, 2023, organized by the office bearers. The event featured a technical talk by the Chief Guest, Mr. Arulmani Arunachalam, a Subject Matter Expert in Liquid Hydrogen Handling Systems, who spoke on "Engineering Innovations and Interdisciplinary Process Engineering." Over 150 students attended the session, and the previous year's office bearers were also honoured during the occasion.

2. Voltage Verdict:

The Electronics and Communication Engineering Association (ECEA), IETE, and the Robotics and Artificial Intelligence Club (RAIC) of Sri Venkateswara College of Engineering (SVCE) organized the Voltage Verdict event on August 30, 2023. The event consisted of two rounds: Round 1 featured multiple-choice questions (MCQs), while Round 2 focused on circuit debugging. Designed to enhance students' technical skills and deepen their understanding of electronics.

3. Upagraha'23:

The ECE Department, in collaboration with ECEA, IETE-SF, and RAIC, organized Upagraha'23, a national-level symposium held over two days on October 11 and 12, 2023. On Day 1, the Chief Guest, Smt. Ramya, AGM at NEC, delivered an insightful presentation, sharing valuable knowledge with the students. Day 2 featured Dr. V. Narayanan, Director of the Liquid Propulsion Systems Centre (LPSC) at ISRO, and a distinguished scientist known for his significant contributions to India's space exploration. Dr. Narayanan's inspiring talk on space and rocket propulsion highlighted his nearly 40-year career in advancing rocket and spacecraft technology. The event saw over 350 students competing in 10 events, including the Project Expo and Paper Presentation. The winners were honored by the HoD during the valedictory ceremony.

4. Enigma 2023:

        The Enigma event, organized by ECEA, IETE-SF, and RAIC on December 20, 2023, was exclusively designed for first-year ECE students. Dr. Jothilakshmi, Assistant HoD, inaugurated the event, which featured encryption and decryption challenges aimed at enhancing participants' critical thinking skills. Over 40 students took part in the event. The winners were felicitated by Dr. G.A. Sathish Kumar, Head of the Department.

5. Trackbot 2023:

        The Electronics and Communication Engineering Association (ECEA), IETE Students Forum (ISF), and Robotics and Artificial Intelligence Club (RAIC) of Sri Venkateswara College of Engineering (SVCE) organized the intercollegiate event Trackbot on February 13, 2024. The competition, which saw teams of three participants each, was designed to encourage collaboration and innovation among students. The event proved to be highly impactful, helping participants enhance their skills and deepen their knowledge in the fields of robotics and artificial intelligence.

6. Guest lecture on "Machine Learning - An Introduction to Career Path":

        A guest lecture on "Machine Learning - An Introduction to Career Path" was held on February 27, 2024, organized by ECEA, IETE-SF, and RAIC. The session, aimed at enhancing programming skills for Machine Learning applications, was conducted by Mr. S. Lingesh, a Python Developer from Simmer, Chennai. Targeted at second-year ECE students, the interactive lecture focused on leveraging Python for Machine Learning. The event was coordinated by Dr. T.J. Jeyaprabha, Mr. L.K. Balaji Vignesh, and Dr. K. Kavitha and saw the active participation of 120 students.

7. Guest lecture on "VLSI and System Verilog: Recent Trends and Job Opportunities":

        On February 29, 2024, ECEA, IETE-SF, and RAIC organized a guest lecture on "VLSI and System Verilog: Recent Trends and Job Opportunities." Mr. Venkatesh Rajakutti, Design Engineer at Tessolve Semiconductors Pvt. Ltd., Bengaluru, served as the resource person. The session, conducted in offline mode, was aimed at third-year ECE students and offered valuable insights into the growing scope of the VLSI field and its related career opportunities.

8. Technoways 2023:

        Technoways, an intercollegiate tech fest organized by the Students Council of SVCEfrom March 15 to March 16, 2024., featured two exciting events hosted by the Department of Electronics and Communication (ECEA), attracting over 120 participants. The winners of these events were recognized with cash awards and certificates for their outstanding achievements. On Day 1, the fest included the Electro-Craft Challenge and Spark Quest, while Day 2 showcased Chip Connect Embedded Systems and Paper Prism. The events were well-received, with participants praising the depth of technical content and the valuable networking opportunities.

9. Make-a-thon 5.0:

ECEA, IETE-SF, and RAIC hosted Make-a-thon 5.0, a national-level 24-hour hackathon, from March 22 to March 23, 2024. Among 187 registered intercollegiate student teams, 37 were selected for the finals. The event was inaugurated by Dr. N. Venkateswaran, Professor at SSN, who graced the occasion as the chief guest. The event also featured distinguished dignitaries, including Mr. Sandeep, Software Engineer at BoAt, and 10 alumni members representing top companies like Zoho, Extreme Networks, and Thryv Mobility. Teams competed in both software and hardware categories, with three prizes awarded in each. Additionally, one team received an internship offer from BoAt. The total cash pool for the hackathon amounted to ₹36,000.

10. Valedictory Ceremony:

The valedictory ceremony of ECEA, IETE-SF, and RAIC for the academic year 2023-2024 was held on 27th April 2024. The event included a guest lecture on "Role of Embedded Systems in Assistive Healthcare Technologies" by Mr. Prashanna Rangan R, Senior Mechatronics Engineer at THRYV Mobility. The session took place from 10:30 AM to 12:30 PM at the Biotechnology Seminar Hall, Sri Venkateswara College of Engineering, and was attended by II and III-year students of the Electronics and Communication Engineering Department.