

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ANNUAL REPORT
IETE-SF ACTIVITIES

July 2019 to August 2020

1. Inauguration of ECE Association & IETE Students Forum (ISF) for the academic year 2019-20 at SVCE on 24/07/2019 (Wednesday) between 10-11.30 AM. Dr.Sathiesh kumar, Assistant Professor inaugurated and delivered a guest lecture titled "Recent Applications of machine learning". ECE Association and IETE Student representatives were elected and given batches on the same day.
2. ECEA along with SVCE-ISF organized a technical talk on “Wireless Communication – A Glimpse on its hyper growth in Telecom Industry” under the banner of IETE Chennai Centre on July 26, 2019. A technical talk was delivered by Shri. A. Sadagopan, F-IETE, Retd.AGM, BSNL Chennai, attended by about 60 students from ECE Dept. including faculty members.
3. ECEA in association with SVCE-ISF and RAIC club conducted a 24 hour Make-a-thon on 9th and 10th August 2019 in association with IETE, for the second and third year students where 20 teams participated and came up with innovative ideas and also made a prototype of those ideas within the time limit. Cash prizes were given by the chief guest Mr. Dinesh, CEO and founder Techmbd for the selected top three batches.
4. ECEA in association with SVCE-ISF and RAIC club conducted a guest lecture titled “How to write a Technical Paper” by Dr.N.Kumarathan, Professor, Dept. of ECE, SVCE on 30th August 2019. The audience mainly consisted of second year and third year students who are a part of IETE and Robotics and Artificial Intelligence Club (RAIC).
5. Students and faculty mentors of Sri Venkateswara College of Engineering have actively participated in the IETE Zonal Seminar on “SMART ENGINEERING FOR SUSTAINABLE DEVELOPMENT” and ISF Congress organized by IETE Chennai Centre hosted by Sri Sairam Engineering College, on 20th and 21st September 2019. Project on “Intelligent drainage cleaning using robot arm”, by Shruthi Sharada, Raksha and Saranya of III Year ECE, SVCE was awarded first prize in Paper Presentation and project “First Response Drone” by S.Prem Raj and S.Lokesh of III year ECE, SVCE was awarded first place in Innovative Project Competition. The winners of Innovative Project Competition Mr.S.Prem Raj and Mr.S.Lokesh are requested to represent IETE Chennai Centre at the All India Innovative Project contest to be held at Venue: Shah Anchor Kutchhi Engineering College, W T Patil Marg, Next to Duke’s Company, Deonar, Mumbai-400088, on 22nd October 2019.

6. IETE-ECE-Students Forum in association with ECEA of Sri Venkateswara College of Engineering, Sriperumbudur (TN), organized UPAGRAHA'19, A National Level Technical Symposium on September 26th 2019 under the co-ordination of Ms.T.J.Jeyaprabha, Mr.G.Loganathan and Ms.D.Menaka. The symposium aimed at conducting various technical competitions in diverse fields for various Engineering College students throughout the country. Cdr. L.Ganesh, India Navy, Visakhapatnam and Shri. BKS Gokul, Technical Lead, IT industry gracefully accepted to preside over the event as the Chief Guests. Dr.S.Muthukumar, HOD-ECE commenced the function with introductory address followed by inspiring technical talk on "SONAR theory and its applications" by Cdr.L.Ganesh. The technical events comprised of Mini Project, Paper Presentation, Circuitrix, Code2Duo, Tech Jam, Arduino Quiz, Line Follower and Project Expo were started at 10.30 AM and concluded by 2 PM. Students from all over India including SSN Engg. College, SRMU, VIT, Sairam Engg. College, RMKCT, REC, MIT and Amirtha Institute of Tech. amongst few, participated and grabbed exciting prizes and certificates. Valedictory function commenced at 2:30 PM with Mr. Sudharsshan Krishna, President ECE Association shared his 4 year experience at SVCE followed by Mr. S.Logeswaran, Chairman IETE-SF introduced the Chief Guest Shri.BKS Gokul, Technical Lead, IT Industry. The Chief guest presented on "Network Telemetry and its applications". Finally, prizes and certificates were distributed to all the winners and participants. Mr. Gurucharan, Vice President, ECE Association concluded the function with Vote of Thanks followed by National Anthem. The event recorded 850 registered participants overall.
7. Students of Sri Venkateswara College of Engineering, Sriperumbudur, represented IETE-Chennai Centre participated in the IETE Innovation Meet 2019 and Advances in Radio Frequency Measurements at Shah Anchor Kutchhi Engineering College, W T Patil Marg, Next to Duke's Company, Deonar, Mumbai-400088, on 22nd October 2019 organized by IETE Mumbai Centre. They have won first prize.
8. The ECEA along with IETE-SF & Alumni Association organized technical talk on 20th Dec 2019. Ms.T.J.Jeyaprabha, AP, ECE Association Incharge introduced the chief guest. Mr.AdityaTeja, Embedded Engineer, L&T Technological Services, Mysore(2016 ECE Alumnus)addressed on the topic 'Industrial Exposure', an informative session to students on how to get prepared to face the challenges put by the core company.
9. The ECEA along with SVCE-SF organized a technical talk on "Financial technologies and the payment trends" and "Career choices and common interview questions" under the banner of IETE Chennai Centre on Jan 10, 2020 (Friday). The dignitaries present on the dais were Dr.S.Muthukumar, HoD-ECE, Mr. BalaSubbusundaram, Product Lead – LendingClub Corporation, San Francisco,

California (2007-11 ECE Alumnus), Chief Guest for the day, Mr.S.R.Balasubramanian, Assistant Professor, Ms.T.J.Jeyaprabha, Assistant Professor, ECEA, IETE-SF & Alumni coordinator and Ms.D.Menaka, Assistant Professor, IETE-SF & Alumni coordinator. 120 students of ECE attended and got benefitted.

10. The ECEA along with IETE-SF, Robotics & Artificial Intelligence Club and Placement Cell organized an interdepartmental 24 hour Make-a-thon 2.0 on 7th and 8th Feb 2020, for third year students where 24 teams of 90 students participated, came up with innovative ideas and made a prototype of those ideas within the time span. The dignitaries present on the dais were Dr.S.Muthukumar, HOD-ECE, Prof.S.Muraleedharan, Chief Placement Officer, Ms.T.J.Jeyaprabha, Assistant Professor, ECEA, IETE-SF coordinator, Ms.D.Menaka, Assistant Professor, IETE-SF coordinator and Mr.Manas Reddy, Secretary, ECEA. Ten student mentors from Department of ECE, CSE & IT mentored the participants. The event was judged in two levels, Day-1 by internal judges of different Departments, Day-2 by external judges Mr.Umamahesh, CTO, Elektroniks Lab Pvt. Ltd., Chennai & Mr.Akash Jain, Embedded Hardware Engineer, VVDN Technologies, Chennai. Two Prizes and three special awards on Best User Interface, Best Module, and Best Feasible Product were given for outstanding teams and recommended for interns in the companies who came for judgement.
11. The ECEA along with IETE-SF, Robotics & Artificial Intelligence Club and Placement Cell organized R-programming workshop as a 5-day (15 hours) certification course from 11th to 15th Feb 2020, for II & III year students of ECE-SVCE. A total of 50 students comprising of the 2nd and the 3rd year ECE department students attended the session. The first four sessions were handled by the faculty members of the CSE & IT departments. During the first four sessions, the students were briefed about the basics of R-programming which included topics like Data cleaning, Visualization, Grouping, Summarizing and Functional Programming. The final session on the 15th of February from 9 AM to 3 PM was a hands-on session which was conducted in the placement cell by Dr. Anand Lakshmanan, Founder and CEO of Sirpi Products and Services Pvt Ltd. The dignitaries present on the dais were Dr.S.Muthukumar, HOD-ECE, Ms.T.J.Jeyaprabha, Assistant Professor, ECEA, IETE-SF coordinator, and AnandLakshmanan, Founder and CEO of Sirpi Products and Services Pvt Ltd. The 2nd year students are awarded with 1 credit and the 3rd year students are awarded with certification on completion of this course.
12. ECE Association along with IETE-SF, Robotics & Artificial Intelligence Club (RAIC) organized Python-programming workshop as a 5-day (15 hours) certification course from 10th to 14th Mar 2020, for II & III year students of ECE-SVCE. A total of 38 II and III Year students of ECE Department attended the session. The sessions were handled by III year RAIC mentors. All the sessions were hands-on sessions where the students were able to learn in an effective manner. The

feedback received from all participants was really awesome. The final 2 hours on 16th March 2020 ended with evaluation and assessment session. The event coordinators were Ms.T.J.Jeyaprabha, Assistant Professor, ECEA, IETE-SF coordinator, and Ms.D.Menaka, AP, IETE-SF Coordinator. The students are awarded with 1 credit and certificate on completion of this course.

13. The IETE-ISF, RAIC and ECE Association launched into action during the lockdown period by initiating a series of Webinar on various topics enlightening on niche technical facets to benefit the student community. Webinar Series #1 was conducted in two sessions. The first session was conducted by Mr.Sandeep Ramani on “Beginners Guide to Machine Learning” on 20/03/2020. Mr.Sandeep Ramani is a Research Scholar, University of Wisconsin, Madison. The Second session was conducted by Ms.Agela on “Web Development” on 24/03/2020. Ms.Agela is a 3rd year ECE student from SVCE. She has keen interest on Web Development and has outskilled in Python, C++, Bootstrap 4, HTML, CSS. 200 SVCE students participated and benefitted.
14. Webinar Series #2 titled “HUMAN SUBMERSIBLES INDIAN STORY” was coordinated by the IETE Student Forums of three colleges namely, Sri Venkateswara College of Engineering, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Dr.G.A.Ramadass, Scientist and Head of Deep Sea Technology Group at the National Institute of Ocean Technology, on 09/05/2020 from 4:00 PM to 5:00 PM. There were 228 participants who actively participated in the webinar.
15. A 5 day, one of a kind event - ‘QUARANTBUSTER!’ conducted by ECE Association, IETE - SF & Robotics & Artificial Intelligence Club (RAIC) from the 5th to 10th May, 2020, at the comfort from their homes, has been attended by 24 teams with a total of 62 participants, with Mr.Balabharathi D., Embedded System Design Consultant (2003-2005 M.E. – Communication Systems Alumni), presiding over the event as Chief Guest and Judge for the event.
16. Webinar Series #3 titled “DATA ENCRYPTION ALGORITHMS” was coordinated by SVCE-ISF in association with Jeppiaar Institute of Technology, Veltech Multitech Engineering College, SRM Easwari Engineering College, Panimalar Institute of Technology. The Webinar was conducted by Mr.Bolem Srinivas, Scientist-D at National Institute of Ocean Technology, R&D Firm on 16/05/2020 from 4:00pm to 5:30pm. There were 252 participants who actively participated in the webinar.
17. Webinar Series #4 titled “UNDERWATER NAVIGATION: THEORY AND PRACTICE” was coordinated by the IETE Student Forums of five colleges namely, Sri Venkateswara College of Engineering, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Dr.Pramod Kumar Maurya, Scientist at Marine Instrumentation division, National Institute of Oceanography on 23/05/2020 from 11:30 PM to 12:30 PM (Saturday). There were 161 participants who actively participated in the webinar.
18. Webinar Series #5 titled “ROLE OF INTELLECTUAL PROPERTY & INNOVATION MANAGEMENT IN ENGINEERING SCIENCE UNDER MAKE IN INDIA” was coordinated by the IETE Student Forums of five colleges namely, Sri Venkateswara College of Engineering, Panimalar Institute of Technology, Easwari

Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Dr. BK Sahu, Regional Manager (IPFC&TISC), NRDC, GOI, Innovative Valley, Vishakapatnam on 27/05/2020 from 11:30 AM to 12:30 PM (Saturday). There were 207 participants who actively participated in the webinar.

19. Webinar Series #6 titled “INDIAN TSUNAMI WARNING SYSTEM” was coordinated by the IETE Student Forums of five colleges namely, Sri Venkateswara College of Engineering, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Dr. Tata Sudhakar, Group Head, Ocean Electronics Group, Scientist G, NIOT, Chennai & Chairman, IETE-Chennai Centre, on 30/05/2020 from 4:00 PM to 5:00 PM (Saturday). There were 189 participants who actively participated in the webinar.
20. Valedictory of ECE Association, IETE Students Forum (ISF) & RAIC for the academic year 2019-20 at SVCE on 01/08/2020 (Saturday) between 10.30 AM to 12.00 PM. Dr.R.Vani, Professor, Dept. of ECE, SRM Institute of Technology, Ramapuram gave the Valedictory address titled "Image Processing for Machine Vision Applications". ECE Association, IETE Student Forum and RAIC team were highly appreciated by the Chief Guest for their good work during the year. 250 students of ECE attended.

FOREIGN DELEGATES VISIT:

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