SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ANNUAL REPORT

IETE-SF ACTIVITIES Aug 2020 to June 2021

1. Inauguration of ECE Association & IETE Students Forum (ISF) for the academic year 2020-21 at SVCE on 08/08/2020 (Saturday) from 3.00 to 4.00 PM. Dr.L.Vanitha, Associate Professor, Dept. of ECE, Prathyusha Engineering College, Chennai and delivered a webinar on "Real Time Applications of Artificial Intelligence" for students and faculty of ECE. 250 ECE students attended.

2. ECEA & IETE organized TechNXT – A National Level Technical Event with 4 Webinars and Paper Presentation from June 3rd to 7th June 2020. Webinar Series #1 of TechNXT titled "EDGE COMPUTING" was delivered by Mr.Abid Ahmed Salem, Senior Solution Architect – Cloud Native & Transformation, Ericsson Global India on 03/06/2020 from 4:30 PM to 6:00 PM IST (Wednesday). There were 114 participants who actively participated in the webinar.

3. ECEA & IETE organized TechNXT – A National Level Technical Event with 4 Webinars and Paper Presentation from June 3rd to 7th June 2020. Webinar Series #2 of TechNXT titled "IOT" was delivered by Mr.Ezhil Chinnathambi, Director for Hardware/Firmware Quality & Working, Smart Drive Systems Inc., USA on 04/06/2020 from 11.00 AM to 12:00 PM IST (Thursday). There were 120 participants who actively participated in the webinar.

4. ECEA & IETE organized TechNXT – A National Level Technical Event with 4 Webinars and Paper Presentation from June 3rd to 7th June 2020. Webinar Series #3 of TechNXT titled "Digital Transformations" was delivered by Ms. G.Ramya Gowrisankaran, Project Manager - Hardware, NEC, Chennai on 05/06/2020 from 11.00 AM to 12:00 PM IST (Friday). There were 112 participants who actively participated in the webinar.

5. ECEA & IETE organized TechNXT – A National Level Technical Event with 4 Webinars and Paper Presentation from June 3rd to 7th June 2020. Webinar Series #4 of TechNXT titled "Data Networking" was delivered by Mr. BKS Gokul, Technical Leader, CISCO, Bengaluru on 06/06/2020 from 11.00 AM to 12:00 PM IST (Saturday). There were 109 participants who actively participated in the webinar.

6. ECEA & IETE organized TechNXT – A National Level Technical Event with 4 Webinars and Paper Presentation from June 3rd to 7th June 2020. Day 4 & 5 of TechNXT Paper Presentation was conducted for 12 teams from different Engineering Colleges and was judged by Mr. D.Bala Bharathi, Embedded System Consultant, Bangalore, Mr.S.R. Balasubramanian, Assistant Professor, Dept. of ECE, Dr. N.Kumaratharan, Professor, Dept. of ECE, Mr.P.Arul, AP, Dept. of ECE on 06/06/2020 & 07/06/2020 from 04.00 PM to 06:00 PM IST (Saturday & Sunday). There were 30 (SVCE-20 & External-10) participants who actively participated in the Paper Presentation contest.

7. Webinar Series #7 titled "Light Applications in Sensing, Medical Diagnosis and Therapeutics" 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. Rajesh Kanawade, CSIR – Central Scientific Instruments Organization, Advanced Materials & Sensors Division (V4), Scientist, on 06/06/2020 from 4:00 PM to 5:00 PM (Saturday). There were 70 participants who actively participated in the webinar.

8. Webinar Series #8 titled "Marine Robotics, Design and Applications" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology - Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Shri.R.Madhan, CSIR – Central Scientific Instruments Organization Senior Principal Scientist, National Institute of Oceanography (NIO), Goa, on 13/06/2020 from 4:00 PM to 5:00 PM (Saturday). There were 179 participants who actively participated in the webinar.

9. Webinar Series #9 titled "Cyber Crime and Law" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology - Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Shri.V.Appakutty, Technocrat & Lawyer on 20/06/2020 from 4:00 PM to 5:00 PM (Saturday). There were 82 participants who actively participated in the webinar.

10. Webinar Series #10 titled "An Introduction to IOT & its Applications" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology - Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Shri.G.L.Ganga Prasad, Former Director, CDAC, Bengaluru on 04/07/2020 from 4:00 PM to 5:00 PM (Saturday). There were 192 participants who actively participated in the webinar.

11. Webinar Series #11 titled "GPS & Beyond – An Introduction to Satellite Positioning Systems" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology - Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Dr.K.M.Sivakholundu, Vice Chancellor, Indian Maritime University, A Central University-Government of India on 11/07/2020 from 6:00 PM to 7:00 PM (Saturday). There were 216 participants who actively participated in the webinar.

12. Webinar Series #12 titled "Software Design Aspects of WLAN Access Point" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology - Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Mr.Ashok Govindarajan, Head of Wireless Networks, Zilogic Systems, Chennai on 25/07/2020 from 5:00 PM to 6:00 PM (Saturday). There were 100 participants who actively participated in the webinar.

13. 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.

14. Webinar Series #13 titled "Professional Development Plan for Students and Young Educators" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology -

Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Dr. Krishnasamy Selvan, Professor, Department of Electronics and Communication Engineering, SSN College of Engineering on 01/08/2020 from 5:00 PM to 6:00 PM (Saturday). There were 150 participants who actively participated in the webinar.

15. Webinar Series #14 titled "Recent Trends in Optical Communication" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology - Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Shri. A. Sadagopan, F-IETE, Retd.AGM, BSNL Chennai on 08/08/2020 from 5:00 PM to 6:00 PM (Saturday). There were 100 participants who actively participated in the webinar.

16. Webinar Series #15 titled "Electronic Control Unit for Heavy Duty Trucks" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology - Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Mr.K.V.Nagesh, Founder & Director of Data Care Systems, Bengaluru on 14/08/2020 from 5:00 PM to 6:00 PM (Friday). There were 81 participants who actively participated in the webinar.

17. Webinar Series #16 titled "MATLAB Programming Techniques" was coordinated by the IETE Student Forums of six colleges namely, Sri Venkateswara College of Engineering, SRM Institute of Science & Technology - Vadapalani, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology & Veltech Multitech Engineering College. The Webinar was delivered by Dr.S.Markkandan, Assistant Professor, Dept. of ECE, Anand Institute of Technology, Chennai on 23/08/2020 from 4:00 PM to 5:00 PM (Saturday). There were 145 participants who actively participated in the webinar.

18. First event under SVCE-IETE Students Forum (ISF) for the academic year 2020-21 on 23/08/2020 (Sunday) from 5.00 to 6.00 PM. by Mr.B.Siva Subramanian, Business

Intelligence Analyst, TEDx Speaker, pursuing Post Graduate at University College Cork, Ireland and delivered a webinar on "Realistic Approach towards Data Science" for students and faculty of ECE, SVCE. 122 participants attended the webinar.

19. Second event under SVCE-IETE Students Forum (ISF) for the academic year 2020-21 on 29/08/2020 (Saturday) from 4.00 to 5.00 PM. by Dr.Tata Sudakar, Former Chairman, IETE-Chennai Centre, Scientist, NIOT and delivered a webinar on "Ocean Technology in NIOT" for students and faculty of ECE, SVCE. 90 participants attended the webinar.

20. Third event under SVCE-IETE Students Forum (ISF) for the academic year 2020-21 on 19/09/2020 (Sunday) from 5.00 to 6.00 PM IST by Mr.Sunder Palaniraj, Director IC-design, TDK InvenSense, USA and delivered a webinar on "5G & its HISTORY" for 90 participants - students and faculty of ECE, SVCE.

21. IETE-SVCE organized Two Day National Level Hackathon "Ease the Error 1.0" under SVCE-IETE-SF for Engineering students from 10th to 11th Oct 2020 in association with 5 other ISFs of IETE-Chennai Centre. The 4 judges invited were 1.Mr.Sandeep Kumar Ramani, ML and AI practioner, University of Wisconsin, Madison, USA. 2.Mr.DineshKshatriyan, Project associate, Telecom of Excellence, IIT, Madras. 3.Mr.B.Sivasubramanian,Business Intelligence Analyst, Real World Analytics, Ireland 4.Mr.D.Bala Bharathi, Embedded system development consultant, Bengaluru.115 students of different colleges participated in the event.

22. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized webinar titled "Evolution of Computing and Skill Set for the Future" on 16/10/2020 by Mr.Mallik Mahalingam, Vice President and Fellow at Intuit, California for 75 students and faculty participants of ECE, SVCE.

23. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized webinar titled "Professional Resume Writing" on 17/10/2020 by Mr. Vigneshwaran M, Soft Skill Trainer and e-Learning Developer, Chennai for 172 students participants of IETE-Chennai Centre.

24. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized webinar titled "A Perspective on 5G communications"on 12/11/2020 by Dr.S.Krithiga, AP, ECE, SRMIST, Kattankulathurfor 65 student and faculty participants of IETE-Chennai Centre.

25. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized inaugural of "Forum Of Data Science Engineering - FODSE" Club under IETE-SF-SVCE and a talk on the "Importance of Data Science" on 6/12/2020 by Mr.B.Sivasubramanian, Business Intelligence Analyst, Real World Analytics and a TEDx speaker for 75 students of ECE.

26. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized webinar titled "Applications of Artificial Intelligence in Ocean Exploration" on 21/12/2020 by Mr.Nitesh Verma, Project Scientist I, National Institute of Ocean Technology for 65 student and faculty participants of IETE-Chennai Centre.

27. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized webinar titled "Wearable Technology in Healthcare"on 30/12/2020 by Dr.D.Vijendra Babu, Vice Principal and Professor, AarupadaiVeedu Institute of Technology, Vinayaka Mission Research Foundation for 125 student and faculty participants of IETE-Chennai Centre.

28. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized webinar titled "Enterprise and Consumer Use Cases for Spatial Computing"on 08/01/2021 by Shri.Thirukumaran Saravanan, Co-Founder & COO, XR Labs, Chennai for 90 student and faculty participants of IETE-Chennai Centre.

29. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized technical events "Tech Abstraction" and "Tech Tales" on 30/01/2021 for 30 student participants of IETE-Chennai Centre in online mode on account of IETE Students Day 2021.

30. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized workshop titled "Image Processing using OpenCV and Python"on 31/01/2021 by Mr.JyothirAditiya and Ms.Soundarya Lakshmi Narayanan, Founders, Array Coaching, Chennai for 80 student and faculty participants of IETE-Chennai Centre in online mode on account of IETE Students Day 2021.

31. SVCE-IETE Students Forum (ISF) for the academic year 2020-21 organized webinar titled "Electromagnetic Interference and Compatibility Issues and the Measurements in Anechoic Chamber"on 01/02/2021 by Dr. M.Murugan, Vice Principal, SRM Valliammai Engineering College, Chennai for 30 studentand faculty participants of IETE-Chennai

Centrein physical mode on account of IETE Students Day 2021 at Sri Venkateswara College of Engineering.

32. SVCE-IETE Students Forum (ISF) in association with IETE Chennai Centre organized seminar titled "Metamaterials Applicable for Antenna Design"for the academic year 2020-21 on 11/03/2021 by Dr.A.Anandavadivel, Associate Professor, Dept. of Applied Physics, SVCE for 35 student and faculty participants of SVCE in physical mode on account of National Science Day 2021 at Sri Venkateswara College of Engineering.

33. Department of ECE in association with IETE organized National Level Conference on 7th May 2021. 30 Project Teams participated with two key note addresses on the day. The chief guest Dr. Tata Sudhakar gave the Keynote address on the topic, "Oceanography ship – navigation and survey". Second Keynote Address was given by the chief guest Dr.N.Venkateswaran Professor, Dept of ECE, SSN College of Engineering, Chairman, IETE Chennai on the topic "Intelligent Reflecting Surface for Future Wireless Communications".

34. Ease the Error 2.0, a 24-Hour national level hackathon was organized by SVCE-ISF in association with IETE Chennai Centre and FODSE-SVCE from 15th May to 16th May 2021 (24 Hours). It brought together undergraduate students, faculty, staff, and industrial professionals. The hackathon witnessed a participation of a total of 17 teams (50 students) from all over the state. The developers had to build products that would lay a helping hand in building the future. The inaugural function was presided over by the honourable chief guest Prof. (Wg Cdr) P.Prabhakar, Chairman BoRIS council, Vice President, IETE India.

35. Valedictory of ECE Association & IETE Students Forum (ISF) for the academic year 2020-21 at SVCE on 19/06/2021 (Saturday) Dr.N.Venkateswaran Professor, Dept of ECE, SSN College of Engineering, Chairman, IETE Chennai Centerdelivered a webinar on "Benefits of IETE to ISFs" for 125 students and faculty of ECE.

FOREIGN DELEGATES VISIT ONLINE:

IETE-SVCE organized Two Day National Level Hackathon "Ease the Error 1.0" under SVCE-IETE-SF for Engineering students from 10th to 11th Oct 2020 in association with 5 other ISFs of IETE-Chennai Centre. The 4 judges invited were 1.Mr.Sandeep Kumar Ramani, ML and AI practioner, University of Wisconsin, Madison, USA. 2.Mr.DineshKshatriyan, Project associate, Telecom of Excellence, IIT, Madras. 3.Mr.B.Sivasubramanian,Business Intelligence Analyst, Real World Analytics, Ireland 4.Mr.D.Bala Bharathi, Embedded system development consultant, Bengaluru. 115 students of different colleges participated in the event.