SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS STUDENTS' FORUM - SVCE
&
ROBOTICS AND ARTIFICIAL INTELLIGENCE CLUB

RAIC ACTIVITIES July 2019 to Aug 2020

1. **Inauguration Ceremony:**
   Inauguration of ECE Association & IETE Students Forum (ISF) for the academic year 2019-20 was held 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 badges on the same day.

2. **Make-a-Thon 1.0:**
   ECEA in association with IETE-SF and RAIC conducted a 24-hour Make-a-thon on 9th and 10th August 2019 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 of Techmbed for the selected top three batches.

3. **Guest lecture on "How to write a Technical Paper.":**
   ECEA in association with IETE-SF and RAIC club conducted a guest lecture titled "How to write a Technical Paper" by Dr.N. Kumaratharan, Professor, Dept. of ECE, SVCE on 30th August 2019. The audience was mainly the second-year and third-year students who are a part of IETE and the Robotics and Artificial Intelligence Club (RAIC).

4. **Make-a-Thon 2.0:**
   The ECEA along with IETE-SF, RAIC 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 period. 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 the Department of ECE, CSE & IT mentored

the participants. The event was judged on two levels, Day 1 by internal judges of different Departments, and 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 to outstanding teams and recommended for interns in the companies who came for judgment.

5. **R-programming workshop:**
   The ECEA along with IETE-SF, RAIC and Placement Cell organized the 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 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 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 Dr. 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.

6. **Python-programming workshop:**
   ECE Association along with IETE-SF, Robotics & Artificial Intelligence Club (RAIC) organized a 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 the 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 effectively. The feedback received from all participants was awesome. The final 2 hours on 16th March 2020 ended with an 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.

7. **Webinar on "Web Development" and "Beginners Guide to Machine Learning":**
   The IETE-SF, RAIC and ECE Association launched into action during the lockdown period by initiating a series of webinars on various topics enlightening on niche technical facts 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 a keen interest in Web Development and is skilled in Python, C++, Bootstrap 4, HTML, and CSS. 200 SVCE students participated and benefited.

8. **QUARANTBUSTER!:**

   A 5 day, one-of-a-kind event - 'QUARANTBUSTER!' conducted by ECE Association, IETE SF & Robotics & Artificial Intelligence Club (RAIC) from 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.

9. **Valedictory Ceremony:**

   Valedictory of ECE Association, IETE Students Forum (ISF) & RAIC for the academic year 2019-20 was held 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.