**Sri Sai Ram Engineering College**

**Sai Leo Nagar, Chennai – 600 044**

**Department of Electronics & Communication Engineering**

**STUDENTS ACHIEVEMENTS**

**INTERNATIONAL CONFERENCE**

* R. Dhianeswar of 2020 Batch has presented a paper titled "Enhanced Ambulance Service using Transmitter and Receiver" in the 2018 IEEE International Conference on Communication and Information Systems at Nanyang Technological University, Singapore from 28th to 30th December 2018. **The students have been sponsored Rs.72,000/- by the management to attend the conference at Singapore.**
* V. Kaarthick Raja and N. Rakesh of 2020 Batch has presented a paper titled "Performance Analysis of All-Optical Reversible Combinational Circuits using SOA-MZI-A Simulation Study" at University of Exeter, United Kingdom from 09th to 12th July 2019. **The student has been sponsored Rs.66,636/- by the management to attend the conference at UK.**
* J. Sudharsanan and A. Manikandan of 2020 Batch has presented their paper titled “sEMG-based arm action classification using time domain features and machine learning techniques” in the 8th International Conference on Biomedical Engineering and Biotechnology (ICBEB 2019) held at Seoul, Republic of Korea from 22nd to 25th October 2019. This conference was hosted by Institute of Bio-medical Engineering Research, Kyungpook National University and supported by Center for the Support of Medical Device Platform, Keimyung University, South Korea. **The students have been sponsored Rs.1,20,371/- by the management to attend the conference at South Korea.**
* G. Divya of 2020 Batch and S. Gayathri of 2021 Batch has presented a paper titled "IoT Based Google Duplex Artificial Intelligence Solution for Elderly Care" in the 4th IEEE International Conference on Contemporary Computing and Informatics at Amity Global University, Singapore from 12th to 14th December 2019. **The students have been sponsored Rs.60,000/- by the management to attend the conference at Singapore.**
* A. Balasubramaniam and K. Bharathwaj of 2021 Batch has presented a paper titled "Work in Progress: A Theoretical Model of IoT Based Two-Wheeler Auto-Indicator System to Advance Traffic Violation" in the 4th IEEE International Conference on Contemporary Computing and Informatics at Amity Global University, Singapore from 12th to 14th December 2019. **The students have been sponsored Rs.60,000/- by the management to attend the conference at Singapore.**

**PROJECT CONTEST**

* J.Sudharsanan, A.Manikandan and K. Prithivirajan of 2020 Batch presented their project in the 9th Project Innovation Contest 2020, at Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha. They won the **4th Prize** in the event.

**TECHNOLOGY EXHIBITION**

* K. Priya and G. A. Aravindakshan of 2021 Batch presented their product titled "Coral Detecting AUV - Triton" at the TECHNOLOGY EXHIBITION 2020 CUM TRAINING PROGRAM at Anna University, Chennai during 27 – 29 February 2020. The team won the SECOND PRIZE with a cash award of Rs.30,000/-

**SMART INDIA HACKATHON**

* **N. Arunachalam**, **T. Dinesh**, **S. Tejaswini** and **V. Visalini** of 2020 Batch has been awarded as **WINNERS** for their project titled **“Steam Trap Health Monitoring”** in the **HARDWARE EDITION** category of the Grand Finale of Smart India Hackathon, 2019 conducted at Indian Institute of Science Education and Research, Pune from 08.07.2019 to 12.07.2019.
* **D. Akshaya Rajeshwari,** **K. Priyadharshini**, **V. A. R. Rathna Sastika**, **S. Sayi Varsha Vardini**, **M. Sneha**, and **S. Sri Janani** of 2021 Batch has participated in the Grand Finale of Smart India Hackathon, 2019 conducted at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology from 08.07.2019 to 12.07.2019.
* **N Arunachalam**, 2020 Batch, bagged the second runner up with a cash award of Rs.10,000/- in the Brakes India Hackathon 2020 conducted on Feb 7, 2020.
* SIH 2020 Software edition is a 36 hour hackathon conducted all across the country. The team from Sri Sai Ram Engineering College which comprised members from Department of Electronics and Communication Engineering, Production and Mechanical participated online in the event. The team bagged the cash award of Rs 1 Lakh for their excellent contribution in the event.

The challenge was to provide the solution for **Design of Energy Efficient Regenerative Hydraulic System for 100 Ton Excavator** posted by BEML Ltd.The problem statement demanded a swing brake energy regeneration Hydraulic system for a 100 ton excavator. The team proposed not only a system for storing the energy lost while braking but also included a digital secondary control on the existing hydraulic circuit.The event was held on a virtual platform for the first time due to the pandemic and it was a nice experience interacting with officials of BEML Ltd.

**Mr Haresh R, Mr Arunachalam R** of 2020 batch was among the team members from Department of ECE and they won 1st Prize with a prize amount of **Rs. 1 Lakh.**

**BEST STUDENT AWARD**

* R. Dhianeswar of 2020 Batch has been awarded the BEST STUDENT AWARD by The Institution of Engineers (India) - Students Chapter – Kanchipuram, on 30th October 2019, for his exemplary performance in academic activities during the academic year 2018 - 2019.

**CAMPUS AMBASSADOR**

* R. Dhianeswar of 2020 Batch is appointed as the CAMPUS AMBASSADOR for the Global Education and Careers Forum for the year 2019 - 2020.
* R. Prashanth of 2021 Batch has been appointed as the CAMPUS AMBASSADOR for the Madras Photo Bloggers for the year 2019 - 2020.

**e-YANTRA**

* e-Yantra is a flagship project of the Ministry of Human Resources Development (MHRD, Govt. of India) funded under the National Mission on Education through ICT (NMEICT) at IIT Bombay to spread education in Embedded Systems and Robotics in undergraduate engineering and polytechnic colleges. The main objective of e-Yantra is to train students in the art of innovation and eventually entrepreneurship in a step-by-step manner using a “Project Based Learning” approach. In this year's edition of the Ideas competition, eYIC 2019-20, out of 321 project proposals (from 206 eLSI colleges which registered for this event) received, 136 were selected to implement their ideas and submit a demonstration video and code.

A total of 49 teams out of the 136 teams were selected to participate in the Regional Finals held on Feb 21, 2020 to March 6, 2020 at regions - Coimbatore, Mumbai, Pune, Ahmedabad and Gurgaon. 21 projects from regionals finals were selected for the grand finale which was scheduled on July 10th - 12th, 2020.

The projects are evaluated by a panel of judges comprising IIT Bombay faculty and Industry Representatives in the first ever online National Finals of eYIC 2019-20, the winners were declared live on July 12th 2020.

 Our  team achieved an award in **Best Project Implementation** Category. As one of the eYIC 2019-20 winners, our your team is awarded a cash prize of Rs. 32500 for the project **"A.Q.U.A Drone"**,

**Team detail:**

**Prithivirajan K - 2020 Batch  
Harish N - 2020 Batch  
Manikandan A - 2020 Batch  
Sudharsanan** J **- 2020 Batch**  
  
Guided by  
Mr. Prabakaran S, AP / ECE

Agri bot 2019 link

<https://www.youtube.com/watch?v=3aJg9KL2y18>

<https://photos.app.goo.gl/tmTendG4m5ThKS2n8>

A Q U A Drone 2020 link

<https://drive.google.com/file/d/1rU9Q3iXJwWlFm0c6OTQY5bgeg8-nXWs/view?usp=sharing>

<https://www.youtube.com/watch?v=t7t6V-oACqw>

<https://drive.google.com/file/d/1QPWVibtBhbEE5MiyNhvxQdiD1ef5OJba/view?usp=sharing>

* The same team comprising of J.Sudharsanan, A.Manikandan, K. Prithivirajan and N. Harish of 2020 Batch won a cash award of Rs. 5,000/- and a Drone Kit worth Rs. 7,000/- in the Regional Finals of e-YANTRA competition during March 2020

**BUSINESS PLAN MODEL COMPETITION**

**CONTEST NAME**: AICTE Sponsored Entrepreneurship Development Cell (EDC) and MHRD IIC Business Plan Innovation Contest

**PROPOSAL**: SPR based Smart Corona Virus Test Kit

**PRIZE** : **First place with cash award of Rs.15,000**

PARTICIPANTS NAME :  Gayathri.S **- 2021 Batch**

                                         Ranjana.R **- 2021 Batch**

                                         Khyathi Priya. K **- 2021 Batch**

**COURSERA TOPPERS**

* + 1. **R. Dharshini Priya – 741 courses**
    2. **V. I. Maneesh Vijay – 216 courses**
    3. **V. Rithika – 202 courses**
    4. **G Hemalatha – 202 courses**
    5. **R. Srimathi – 201 courses**