

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **12 Patents have been filed by our faculty members. The details are**

- Temperature Sensor Design
- Recognition of emotions in real-time for customer service using Deeplens Face Detection Application
- A System and A Method For Real Time Dynamic Traffic Management By The Utilization Of GPS and IoT
- Smart ATM Using AI and IOT Technology
- An IOT Based Pollution Control And Safety For Compressed Natural Gas Fuel Based Vehicles
- Automatic Epidural Regulator
- Secured Intelligent Vehicular Systems Using Wireless Sensor Networks
- Artificial Intelligence in Modern Large Power System Applications
- Scheduling Based Qos Enhancement In Heterogeneous Network Using 3GPP
- Multi Purpose Surveillance Based On Radar System With Camera
- Smart Cost Sanitizer Spray Machine
- IOT Integrated Solar Based Smart Irrigation System

### **4 books are published by our department faculty members. The details are**

- Optical Communication by Ms.V.Chinnammal
- Ad Hoc and Wireless Sensor Networks by Ms.Nami Susan Kurian
- Machine Learning and Applications by Mr.K.Senthil Kumar
- Electronic Devices by Dr.V.Nagaraju

### **ACHIEVEMENTS-Faculty level**

- Dr.R.Preetha, Assoc. Prof./ECE received "Bharat Ratna Dr.Abdulkalam gold medal award" for "Individual achievement and National development" on the occasion of 66th National Unity Conference 2019.
- Mrs.S.Sheela, AP/ECE has received "NPTEL Translator" certificate from NPTEL for translating the files of the course Electrical Machines offered by IIT Delhi in Tamil language.
- Mrs.K.Jayamani, AP(SS)/ECE, Mrs.S.Sheela, AP/ECE, Mrs.Nami Susan Kurian, AP/ECE, have received "TOP Performing Mentor" certificate from NPTEL for July – Oct 2019 .
- Mr.K.Sivakumar, AP/ECE received "National topper" award certificate from NPTEL for the course "Digital Image Processing" during July – Oct 2019.

- Mrs.S.Sheela, AP/ECE received Elite Academician award from the Confederation of IICDC 2019
- Mr.L.FranklinTelfer, AP/ECE received SPOC appreciation certificate from solar ambassador workshop GGSY IITB.

### **ACHIEVEMENTS-Student level**

- 7 teams from ECE department participated in first round of ACCS design challenge 2022 and got appreciation certificates. 2 teams are selected for Final round.
- 1 team got selected in the final round of Intel Unnati Grand Challenge Winter 2022.
- 1 team got selected in the final round of Techgium 2022.
- 5 teams from ECE department participated and got appreciation certificates in the Grand Finale of Smart India Hackathon 2019.
- 6 student Teams from ECE department were shortlisted for the semifinals of ADCOM2019.
- 2 teams from ECE department participated and got appreciation certificates in the Grand Finale of Smart India Hackathon 2018 .
- Ranked 41st in 2018-19 and 31st in 2017-18 and also 40th in 2016-2017 Positions among 565 Engineering colleges.
- IEEE Student Branch of RIT is awarded Certificate of appreciation and received fund for conduct of various events conducted for the year 2017.
- Department of ECE has received Rs.10,000 for the smart farming for agriculture irrigation system with the help of IOT system from Great Smart Technologies, Chennai.
- Ms,G.Roopsree, Mr.B.Soundhar and Ms.R.Ramya under the guidance of Mrs.S.Sheela have received the Best paper award for their paper entitled “Analysis of various techniques for ovarian cyst segmentation” at Third International Conference on Emerging Current Trends in Computing and Expert Technology on 6th & 7th March 2020.
- Our college basketball team under the captainship of ARAVIND.P from final year ECE department participated in the SA Trophy conducted by S.A ENGINEERING COLLEGE from 20th& 21st Feb 2020., and secured a good position.
- Mr.S. Akshay of III year ECE has been awarded the National topper by NPTEL for the course Demistifying Network during July-Oct 2019.
- Mr.S.Gopinath final year ECE student has received certificate of Appreciation from Governor of Tamilnadu for Nation Development ,Vision2020, IDEA INDIA 2018- Speech Competition - SA Engineering College ,Chennai.
- Ms Amrutha ,Second year ECE student has received Rajya Puraskar award for Bharat scout.
- Our college Handball team under the captainship of Sri V.S.Rishi, Final year ECE was placed in the 3rd position in Anna University Zone-2 Handball tournament organized by Saveetha University.
- Mr.PrakashKumar.M, final year ECE student, Secured first place in Colourbelt Kumite for Boys and Colourbelt Kata for Boys organized at All India karate championship-2019 on 16th & 17th Feb 2019.
- Mr.G.VineethPrakash, final year ECE student, represented Tamilnadu as Midfielder in the 73rd Senior National Football Championship for Santhosh Trophy 2019.

- Mr.V.Giridhar Srinivasan ,Ms.A.Amirtha of final year ECE and Mr.S.Gopinath of second year ECE secured First, Second and Third places respectively in Collegiate Oratorical Competition organized by Mylapore Academy, Chennai held on 28th July 2017 to 30th July 2017.
- Mr.Vishnu KS, final year ECE got selected and offered to join as an innovator at Digital Impact Square (DISQ), a TCS Foundation at Nashik. He is amongst less than 7% of those who applied from over 70 colleges across India with a stipend amount of Rs.90,000.
- Mr. Annavaram Sairam Siddhartha, Ms.M.Aarthi of II ECE, won III Prize(cash prize Rs 10000), in National level project competition-Voice Controlled Smart Home and Car-VIVID 2017 at SSN College of Engineering, Chennai.
- V.Giridhar Srinivasan of III-ECE has participated in Kurukshetra'17-National level techno-management fest conducted by College of Engineering, Guindy and got selected as one of the top 10 Student Ambassadors in that event.
- M.Prakash Kumar of II ECE has participated in the 16th International SKA Karate Championship held at SriLanka and won THIRD PLACE in under 20 years Men's-Kata and Men's Kumite in 75Kg category.

### STUDENT INTERNSHIP DETAILS 2022-23

S.No	Roll No	Name of the Student	Internship underwent at	Start Date of Internship	End Date of Internship	Total Duration of Internship
1	201902009	Bhuvaneshwari S	KONE Elevators India pvt ltd	Sep-22	Apr-23	8 months
2	201902010	Buveneswari M	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
3	201902025	Harish V	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
4	201902028	Hema Priya P	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
5	201902008	Bhargavi G	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
6	201902013	Dhatshineswaran B	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
7	201902018	Gowsika G	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
8	201902001	Adhilakshmi R	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
9	201902087	Swetha G	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
10	201902077	Shruthika P	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
11	201902053	Monishkumar V	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months

12	201902058	Polakisandeep Kumar	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
13	201902056	Nithya Sree P	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
14	201902057	Nithin J	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
15	201902033	Kabilan K	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
16	201902064	Resshmi A	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
17	201902084	Srivarshan R	KONE Elevators India pvt Ltd	Sep-22	Apr-23	8 months
18	201902097	Vijayaraj T	ZOHO corparation Private Ltd	Sep-22	Apr-23	8 months
19	201902044	Mahesh P	Tardiverse	Otober-23	Jun-23	9 months
20	201902079	Singareddy Maneesh	Idp Education India Services	Sep-22	Apr-23	8 months
21	201902036	Kirubha Shree.P	CTS	Jan-23	May-23	4 months
22	201902095	Venkateshan.R	Iqvia	Nov-23	May-23	7 months