



# RAJARAJESWARI COLLEGE OF ENGINEERING

## SPARKS

January 2020

Volume: 8, Issue:1

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

*News letter*

### Vision of the Department

To be a leading Department to produce remarkable Electrical and Electronics Engineering scholars for the betterment of the society



### Inside this issue:

Technical Seminar	2
Students Achievements	2
Industrial Visits	2
IoT Workshop	3
Seminars	3
Guest Lectures	4
Hit News	4

## Inauguration of EnSav Club

The Green9 RRCE EnSav Club was inaugurated on 11/11/2019.

Dr.L.Ramesh, Dean, Dr.M.G.R. Education & Research Institute (Deemed to be University), Chennai, visited to our college and inaugurated the EnSav Club.

EnSav Club is a part of Green9 research group founded by Dr.L.Ramesh. Head of the department Dr.N.Amuthan introduce the chief guest and introduce the club. Principal Dr.R.Balakrishna, RRCE welcome the gathering.

Ms.Chaitra, Chairman, EnSav Club explain the activities of the club. Finally

Dr. Ramesh conducted workshop in the afternoon session about the procedure followed to execute the program. EnSav club is started with vision of "Meeting the energy demand for further development of the society"

The aim of club is to find techniques and create solutions that allow better use of energy in non-intrusive way. The club also aims at exploring better uses of clean and renewable sources of energy. EnSav club has

student volunteers from various batches & programs offered in RajaRajeswari College of Engineering. We work together towards conservation of energy and spreading ideas that help in conserving energy. In future we will organize city



EnSav Club Registration Certificate

### Special points of interest:

- EnSav Club
- Electric Vehicles
- INSIGNIA
- Industrial Visit
- Graduation day

## Faculty Achievements



Our Faculty Mrs. Sincy Elezebeth Kuruvilla completed two NPTEL SWAYAM online courses

1) Introduction to Smart Grid - Elite Certificate on 2019 -20

2) Digital Electronic Circuits on 2018-19

and NPTEL - AICTE Faculty Development Programme on 'Introduction to Smart Grid' which is equivalent to full FDP of one week.



Teachers day was celebrated in the department on September 2,2019.

## Technical Seminar on Modern Technologies in Electric Vehicles



"Modern Technologies in Electric Vehicles", on 24/08/2019 at 10.30 AM. The Guest is Dr. B. Chandra Sekhar. He is currently working as Technical Lead in Automotive Business Division at TATA Consultancy Services Limited (TCS), Bangalore.

In TCS, he is handling team of 10 people for design, development, verification & validation of TATA

group owned Jaguar Land Rover (JLR) Electric Vehicles (EV). His research areas are Hybrid Electric Vehicles, EV chargers, Battery Management Systems (BMS), Power Electronics Converters, DC



**Dr.B.Chandra Sekhar**  
Technical lead  
Tata Consultancy Services Ltd  
Bangalore

micro grids,

LED drivers and Hybrid Renewable Energy Systems. He received his Ph.D in Electrical Engineering under VTU. Prior to joining TCS, he worked as a Senior Research Fellow at Energy Efficiency and Renewable Energy Division, Central Power Research Institute (CPRI), Bangalore. Subsequently he worked as a R&D Engineer in

## Students Achievements



As a SCOUT, Karthik G (1RR18EE017), student of III Sem of EEE Dept. has acquired RAJYA PURASKAR. He has obtained Badges of Ambulance Man, Cancer Awareness, Electrician, Sanitation Promoter, Public Healthy Man and Community worker to get through the same. He has undergone training and preparatory for securing RASTRAPATHI. Congratulations for your future endeavor.

- ◆ Keerthan A has participated in 20th VTU Youth Festival "INSIGNIA" held at SDM College of Engineering and technology, Dharwad from 6th to 9th Nov 2019.



Industrial Visit was organized by Mr.Shivalingaiah K.L/ ASO/EEE to Shimsha solar power plant on 15/10/2019. 74 final year students attended the visit. Salient Features of the Solar Plant Installed in Mandya District Capacity : 5MW Grid Connected Total Cost : 61.5 crores Energy Content : 8.322.

**"Modern Technologies in Electric Vehicles"**

## Technical Seminars



Mr. Arun, Manager-CoreEL Technologies & Sandeepani School of Embedded System Design, Bangalore, delivered technical seminar on "Semiconductor Industry - Opportunities and Challenges" in Tesla Seminar Hall at 20/9/2019.



**Mr.Nandakumar M** Assistant marketing manager GateForum, conducted 'Carrier guidance Program' on 28/08/2019

## National Workshop on “Cloud Enabled Python Based IoT”

3 - Day National workshop on “Cloud Enabled Python Based IoT System”, was organized by EEE department on 7th-9th Nov 2019.



Inauguration of the Workshop

The term “The Internet of Things” (IoT) was

coined by Kevin Ashton in a presentation to Proctor & Gamble in 1999. He is a co-founder of MIT's Auto-ID Lab. He pioneered RFID (used in bar code detector) for the supply-chain management domain. He also started Zensi, a company that makes energy sensing and monitoring technology



Dr.N.Amuthan, attended ICT Academy, MoU signing ceremony at Taj Hotel, M G Road, Bengaluru on 14th September 2019.

## DSP with Labview



**Mr. Sunil Kumar**, Managing director, V solutions, Bangalore. Delivered a lecture

in “DSP with Labview” 11/10/2019. The LabVIEW DSP Module supports the design, implementation, and analysis of digital signal processor-based algorithms and systems. You can apply the concepts of digital signal processing techniques, such as

spectral analysis or filtering, with the DSP Module. The DSP Module adds features and VIs to LabVIEW that focus on creating signal processing

## “Cloud Enabled Python Based IoT System”

## Seminar on IoT and business approaches

**Mr. Gangagoudar**, Sr. Application Engineer, Digital Shark Technology, Bangalore delivered a technical talk in “Introduction to IoT and business approaches” on 18/10/2019. The firm fulfills the world's latest technology solution in innovation and converting the idea into reality by highly talented

technical experts. The company maintains consistency in delivering these solutions with various value added processes. Digital Shark Team fills the



Technical Talk

entire requirement in the technology component by offering its services to everyone around the world. This aspect enables all learners to easily understand the latest technology with ease of access through Labs and



## RajaRajeswari College of Engineering

Ramohalli Cross, Kumbalgodu,  
Mysore Road, Bengaluru - 560 074,  
Karnataka, India.

Phone: +91-80-28437375, +91-80-2843 7124  
Fax: 080-8028437373  
Email: amuthan@rrce.org

**Our Chairman Motto**  
"To create a job creator not a job seeker"

[www.rrce.org](http://www.rrce.org)

## Mission

- Introducing value-based education and State-of-the-Art infrastructure facilities within the parameters of ethics
- Interacting with industries and institutions to upgrade knowledge and understand current requirements and trends in technologies
- Enhancing the research-oriented activities in socially prominent areas
- Building up the overall career through impressive extra-academic activities.

## Editorial Team

### Faculty incharge



Ms. Prutha G., AP/EEE

### Students incharge



Vasanth Kumar B.N  
Final Year (2016-20)



Lakshmi Shree C  
Final Year (2016-20)



## Hit News



10th Graduation day was conducted in ACS Convention Hall at RRMC on 13th September 2019.



**Dr. Deepak Uttamchandhani**, Professor, Department of Electrical and Electronics Engineering, university of Strathclyde, UK, visited EEE department and address the students on 18/11/2019.

## Our New Principal



**Dr. T. Chandrasekhar**, takes the charge as a principal of RRCE from 27/11/2019 onwards.