

Newsletter committee

Chief Editor:

Dr.M.Arunachalam,
Professor and Head

Staff Member:

Prof.S.Krishna Prasath

Student members:

1. Harshitha.L, VIII sem
2. Niveditha, VI sem
3. Sharath.P.R, IV sem

Upcoming event:

- Five days FDP for faculty members.
- Skill development program for non-teaching technical staff members.

Inside this issue:

Papers

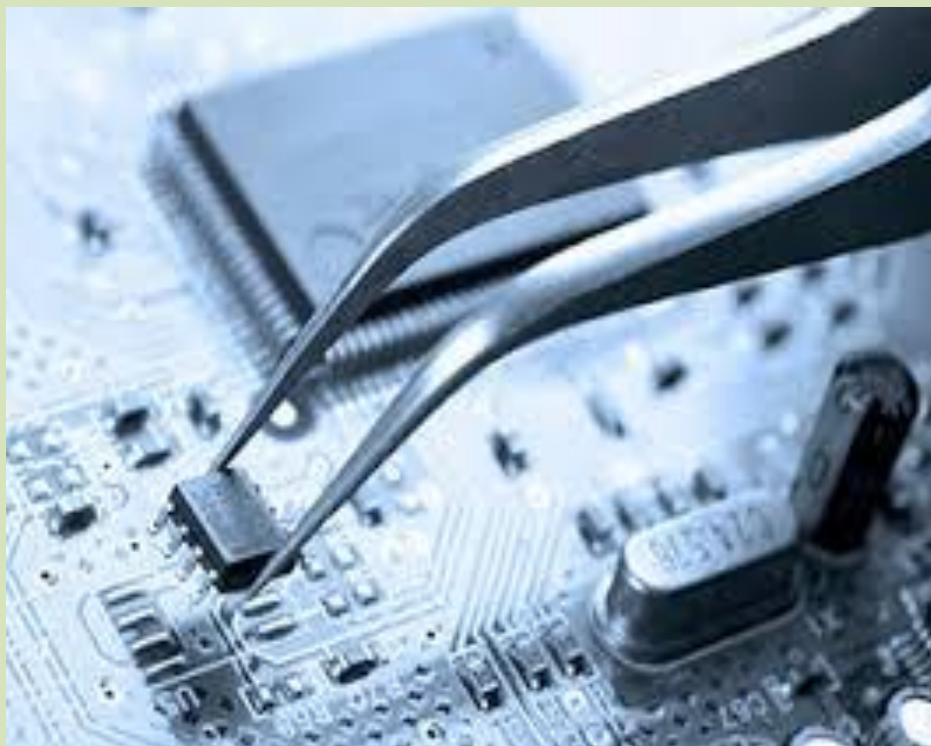
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Technical talk/student
internship/events

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RAJARAJESWARI COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
(NBA ACCREDITED PROGRAM)
BANGALORE-560074



VISION OF THE DEPARTMENT

"To be an outstanding Department producing graduates of world class standards in the field of Electrical and Electronics Engineering through promoting excellence, imparting core values and ethics for holistic development of our graduates and be known as top ranking Department in the State of Karnataka by 2018"

MISSION OF THE DEPARTMENT

"To produce excellent manpower in the field of Electrical & Electronics Engineering by introducing innovative teaching methods and projects within the parameters of values and ethics; constantly interacting with industries to understand current requirements, collaborating with leading institutions to upgrade knowledge and establish Centre of Excellence".

FROM PRINCIPAL's DESK

The Department of Electrical and electronics engineering was formed with the primary objective of providing world class education in the field of electrical engineering, while addressing the problems of today and tomorrow. Right from its inception, the department has been offering excellent infrastructural facilities with a variety of computing platforms to aspiring professional students to meet the burgeoning demands of the industry. The strength of the department lies in the highly motivated students who understand the dynamics of the industry and hone their skills accordingly.

Dr. R.Balakrishna
Principal, RRCE

FROM HODS DESK

The Department has traditional and modern laboratories such as Machines Lab, Power System Simulation Lab, Relay and High Voltage Lab, Circuits and simulation Lab, Microcontroller Lab and power electronics lab. The Department is engaged in research activities, mainly in Power System and power electronics. The department strives to provide a conducive environment for the students to develop analytical and practical skills and apply them to real world problems. To motivate the students the department organizes regular training in state of art software & hardware, arranges workshop and student symposiums periodically. The department Newsletter will definitely help to show-case the activities that are happening in our department. It provides a platform for exposing the merits and academic achievements of the faculty and students. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the department

Dr.M.Arunachalam
Professor and Head

FACULTY JOURNAL PUBLICATIONS AND CONFERENCE PRESENTATIONS:

- Praveen A Patil, Praveen M Koujalgi, Avinash C M, Rashmi J V, “Simulation Studies on Solar Photovoltaic Module for Different Temperature and wavelength”, International Journal of Engineering Sciences & Research Technology. ISSN: 2277-9655, Jan 2016.
- Sincy Elezebeth Kuruvilla, Pavan Kumar K R, Pradeepa D, “ Solar Powered Automated water supply for Public Service”, International Journal of Innovative Research Computer and Communication Engineering, Apr 2016.
- Bharathi V, Avinash C M, Praveen M Koujalgi, Praveen A Patil, “Advanced Model Predictive Temperature Control of Multiphase System using Lab VIEW Technique”, International Journal of Current Research ISSN:0975-833X vol.8,Issue 01,, pp. 25295-25299, Jan 2016.
- Praveen M Koujalgi, Avinash C M, Praveen A Patil, Rashmi J V, Bharathi V, “A research study on Solar Photovoltaic module for different Temperature and wavelength using Mat Lab Simulation”, International Journal of Electrical and Electronics Engineers (IJEET), ISSN 2321-2055 Vol 08, Issue 01, Jan 2016.

INVITED TALKS/INVITED PAPER/TECHNICAL SESSION CHAIR

Dr. M. Arunachalam, Prof & HoD:

- The invited talk on “Power Electronics Applications in Power Systems” in ‘National Conference on Recent Trends in Power Engineering held on Dec 29-30, 2015 at IIT Madras.
- Technical talk on “Power Electronics Applications in Power Systems” in 6 days colloquium “Research Advances in Power and Energy Engineering” on 18th Jan 2016 at SJBIT, Bengaluru.
- Participated in review committee meeting as member of project review meeting NaMPHET-II sub project (5-projects) on Feb 13, 2016.
- Invited paper on “Retrofits and Upgrades in Power Transmission System using HVDC in FACTS Technologies” in All India seminar at Hyderabad organized by the Institution of Engineers (India) on Feb 20-21, 2016.
- Chaired the session “Scenario of power transmission in the country” in All India seminar at Hyderabad organized by the Institution of Engineers (India) on Feb 20-21, 2016.

Prof. D. Pradeepa, Asst. Prof:

- The invited talk on “Introduction to Lab VIEW Software” on 11th Nov, 2015 at ACS College of Engineering, Bangalore.

FACULTY MEMBERS PURSUING PHD PROGRAMME

- Prof. K L Shivalingaiah registered for Ph.D. in Visvesvaraya Technological University in the area of Special Machines.
- Prof. KrishnaPrasath S registered for Ph.D. in Vellore Institute of Technology, Vellore in the area of FACTS Devices.

STUDENT INTERNSHIP

- 26 Students undergone internship training at Synthesis Pvt. Ltd. Bengaluru on Jan 2016.
- Pavithra S participated in workshop on Advanced Robotics recognized by *SCIENCE Park*, Korea in association with MSRDC –UG held in Christ University, Bangalore on 22nd & 23rd Feb, 2016.

SEMINARS/WORKSHOPS/GUEST LECTURES/CONFERENCES ORGANIZED

- A FDP on “Circuit simulation Techniques and Research approaches” was conducted at EEE department from 7th – 9th October 2015. The program was guided by **Dr. Mahesh B Patil, Prof. Dept. of EEE, IIT Bombay**. The three days FDP emphasized on Electronics Circuit Simulation which uses the mathematical models to replicate the behavior of an actual Electronic Device or circuit using SEQUEL software.



- An Expert Lecture on “Challenges and Opportunities for Innovation in Smart Grid” was held at Aryabhatha seminar hall on 17th October 2015 organized by Association of Electrical and Electronics Engineering. The Resource person was **Mr. Sunil Kumar Vuppala Senior Researcher, IIT/Infosys, Bangalore**. The occasion was graced by more than 80 students.

- An Industrial Visit was organized for V Semester students by the department on 7th November 2015 to visit State Load dispatch Centre, Bengaluru.



- An expert lecture on “Energy Management Systems” was organized at Aryabhatta seminar hall on 9th Nov, 2015 organized by EEE. The lecture was given by **Dr.C.Gouri, Scientist from V.S Space Centre, Trivandrum**. The occasion was graced by more than 40 students including PG students of RRCE.

- The Workshop on “SCADA and PLC” was held at EEE Seminar hall on 15th and 16th Feb, 2016 organized by Association of Electrical and Electronics Engineering. Around 50 students participated and they learnt how to automate the system using PLC programming and to design the same in SCADA.



- Seminar on “Recent advances in Industrial Automation” was conducted at Aryabhatta seminar hall on 29th March, 2016. The resource person was Mr. Venugopal, Proprietor Venjay Automation, Bangalore. The students got live exposure on Interfacing of hardware & software – PLC & SCADA.

- Two days Student’s symposium TESLA-2K16 was organized by Association of Electrical and Electronics Engineering on 26th April and 27th April 2016. More than 300 students from various colleges were participated in various events and benefited.



- Final year students Project exhibition was organized by EEE Department on 19th may 2016. Students and faculties from all department are visited and appreciated. The project titled “**Li-Fi based audio communication and device switching**” was selected as best project by the evaluation team.