

Newsletter committee

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Upcoming event:

- Industrial visit to shivanasamudra Hydro power plant to 3rdsem students.
- 2 Days symposium by EEE Department students Association "TRANSFORMERZ"



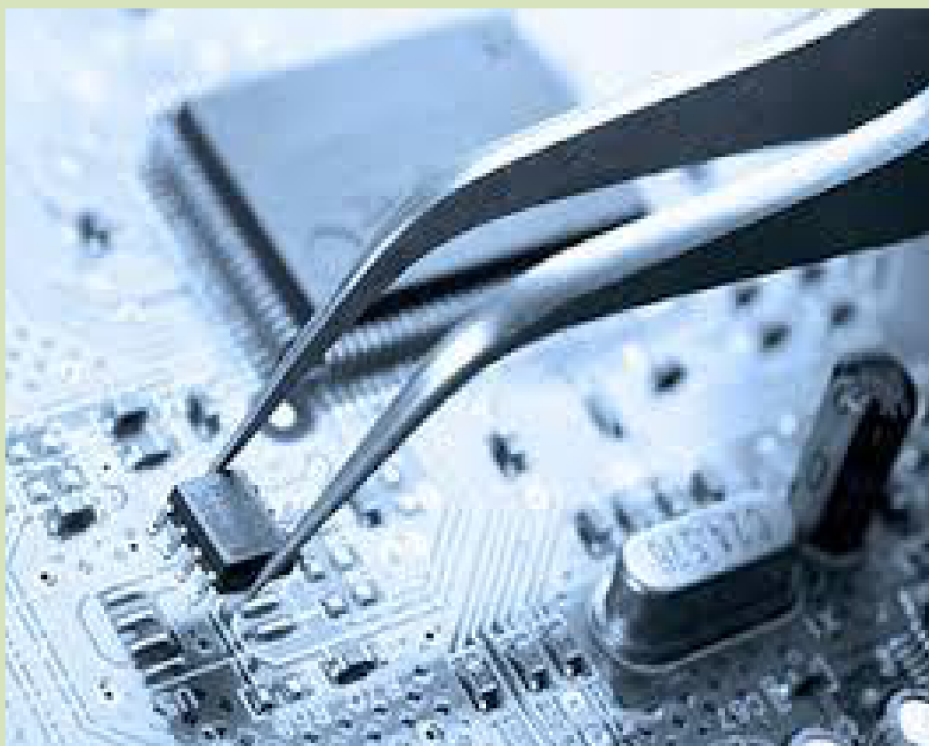
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RAJARAJESWARI COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
(NBA ACCREDITED PROGRAM)
BANGALORE-560074



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 HOD's 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

INVITED TALKS/INVITED PAPER/TECHNICAL SESSION CHAIR:

Dr. M. Arunachalam, Prof & HOD:

Participated in the Engineers Conclave-2017(EC-2017) at CSIR-NAL, Bangalore from 14/8/2017 to 16/8/2017. The event was organised jointly by INAE and CSIR-National Aerospace Laboratory(NAL), Bangalore.

ACHIEVEMENTS:

- Received grant of Rs.7500 from Karnataka State council for science and technology (KSCST), Bangalore for the 2017 batch final year project “**DEFROTHING OF LAKE WATER USING SOLAR POWER**”. The Project was completed successfully and project was selected for exhibition. The team participated along with the guide in the exhibition which was held at Nitte Udipi District on 11th August to 12th August.
- The Inauguration of RRCE – Student Branch of the IEEE was held on 10th May, 2017 in Dr. A.P.J. Abdul Kalam Conference Hall. The IEEE Student Branch at RRCE was inaugurated by the Chief Guest Padmashri Dr. R. M. Vasagam, IEEE Life Senior Member, IE(I) Council Member & Chairman, Aerospace Engg. Board and the Guest of Honour was Ms. Divya M G, CDAC, Excom Member, IEEE Bangalore Chapter, Co-Chair, Membership Development. Occasion was graced by all the faculty members and students of EEE.



Chief guest Padmashri Dr.R.M.Vasagam is addressing the gathering on the occasion.

SEMINARS/WORKSHOPS/GUEST LECTURES/CONFERENCES ORGANIZED/TECHNICAL TALK:

- A Guest lecture on “Bridging gap between industry and academics” was held at CSE department seminar hall on 25th March -2017 organized by Association of Electrical & Electronics Engineering department. Resource person was Prof. Devaraj and Dr. L. Swarna Jyothi. The occasion was graced by more than 75 students.



- A Journal club talk by **Prof. Bharati.V** on “Integrating wind energy to grid” and a Technical talk by **Prof. K.R. Pavan kumar** on “Introduction to Python programming “ were held at Aryabhata seminar hall on 26th April 2017. The event was organized by the EEE department association of Electrical and Electronics Engineering “TRANSFORMERZ”. The occasion was graced by more than 100 students.



- An industrial visit was organized for IV Semester students by the Department on 28/04/2017 to visit **400KV receiving station at Nelamangala**. College bus was arranged for the transport of students to the receiving station. The visit was helpful as students became familiar to operational and constructional features of 400KV receiving station. There were 70 students accompanied by 3 faculty members.



- A FDP program on “Teaching and Research Development Techniques in EEE” was conducted in EEE Department Seminar hall from **31st July to 4th August 2017** by faculty members of EEE Department. Five days FDP emphasized on discussion on signals and systems using Matlab , analog electronics, field theory and hands on training on Arduino board and PSCAD which uses the comprehensive library of system models ranging from simple passive elements and control functions to electric machines and other complex devices.



- Faculties of EEE Department visited High Voltage Laboratory, Department of EE; IISc on 4th March 2017. Faculties got exposure on the principle of ion thrusters and arc inception-quenching.



- A skill development programme “Hotline maintenance of Transmission line and Switchyards” was conducted for the students of Department of Electrical and Electronics Engineering by National Power Training Institute (NPTI), Organization under Ministry of Power, Government of India, from **15/05/17** to **19/05/17**. Resource person was Mr.S.Prakash, Asst Director NPTI/HLTC. The session was graced by 125 students.



- A Student's Technical Talk on their Projects was conducted by the Association of EEE in Collaboration with RRCE- Student Branch of IEEE on 30th May 2017. The programme was graced by more than 50 students. Students of 8th sem explained about their projects to the 6th sem students. List of projects was "Intelligent Solar Inverter connected to load and grid" by Pooja.N.P, Meghana K, Jhansi K and Rakesh Gowda ; "Wireless Home Automation using Internet of Things" by Ambika.C, Vinutha R, Anitha R and Bharath Kumar and "De-Frothing of lake water using solar power" by Pooja S B, Pavithra S and Rahul H S.



