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**RAJARAJESWARI COLLEGE OF ENGINEERING  
BANGALORE-560074  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING**



**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 Global Scenario of Electrical Engineers is very bright. There are numerous opportunities in the country and also abroad. The industrial and technological developments of the country depend upon how efficiently the electrical energy is utilized. The control of electrical devices through microcontrollers has become increasingly important and opens new vistas of research and development. The department is committed to comply with the requirements for continuously improving the effectiveness of the quality management systems.

Dr. M S Bhagyashekar  
Principal, RRCE

FROM EDITOR's DESK

We are well aware of the fact that electricity plays a pivotal role in the development of all industries, which is an indicator of the prosperity of the nation. Hence Electrical Engineering is a significant branch in engineering. This branch of engineering offers excellent career opportunities for the students. The Students will be given industrial exposure through industrial visits and they also are trained to update their knowledge by value added seminars, guest lectures and interactive sessions with eminent industrialists together with the value added program to meet the industrial requirements in addition to curriculum.

Dr.M.Arunachalam  
Professor and Head

STUDENTS ACHIEVEMENTS:

*Students of Department presented various papers organized by other Institutions:*

- Title: Fault detection and correction in DC motor using GSM technology  
Venue: GMIT, Mandya.
- Title: Implementation of GPS system in human tooth.  
Venue: GMIT, Mandya.
- Title: A Literature survey on Energy efficient solar dishwasher  
Venue: Prince Shree Bhavani College of Engineering and Technology, Chennai.

INDUSTRIAL VISIT:

An Industrial visit was organized for VIII Semester students by the Department in the month of March 2014 to Central Power Research Institute (CPRI), Bangalore.





An Industrial visit was organized for VI Semester students by the Department in the month of April 2014 to visit Kolar HVDC converter Station.

CONFERENCES/WORKSHOPS/LECTURES/TRAINING PROGRAMS ATTENDED STAFF MEMBERS:

- Prof .K.R.Pavan Kumar Participated in Two days National workshop on “Emerging Technologies in Photovoltaic systems –ETPVS”, PES University-Bangalore, March 2014.
- Prof N.Nandini presented a paper on “Fault Detection and correction in DC motors using GSM Technology” held at National Conference on Emerging Trends in Engineering and Technology , G-Tech-14, March 2014.
- Prof N.Nandini presented a paper on “Implementation of GPS chip in a Tooth for tracking the location of a person” held at National Conference on Emerging Trends in Engineering and Technology, G-Tech-14, March 2014.

CONFERENCES/WORKSHOPS/LECTURES/TRAINING PROGRAMS ORGANISED:

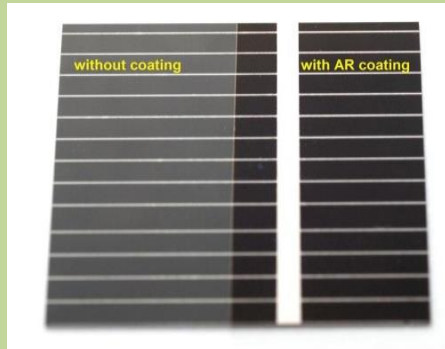


The International Seminar on “Electric Vehicle (EV) /Hybrid Electric Vehicle (HEV)” was held at conference hall on 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> Feb 2014. Practicing engineers and research scholars from industries, R&D centers and PG students participated and benefited.



The technical event on “TECHNO SKILLS” was held at Seminar Hall on 20<sup>th</sup> March 2014 at 9:00 AM organized by association of Electrical & Electronics Engineering. The occasion was graced by more than 80 students.

RECENT ELECTRICAL SCIENCE INVENTIONS:

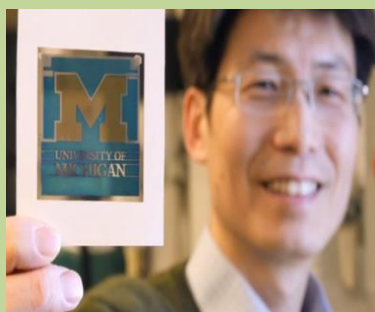
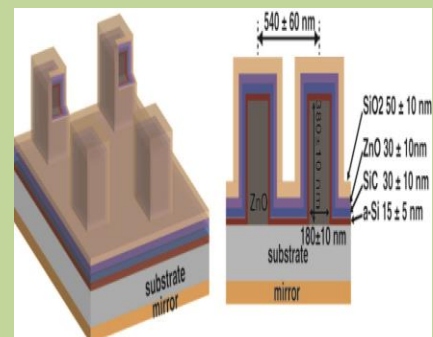


The glare from solar farms could be a thing of the past, thanks to new research. Researchers have developed a multi-layer anti-reflection coating for glass surfaces, which reduces the sun's reflection from photovoltaic panels while at the same time improving their efficiency. It is applied using the same technology as that used for depositing anti-reflection coatings on eye glasses.

*Source: University of Loughborough*

Scientists have developed a 'super absorbing' design that may significantly improve the light absorption efficiency of thin film solar cells and drive down manufacturing cost.

*Source: North Carolina State University*



Colorful, see-through solar cells could one day be used to make stained-glass windows, decorations and even shades that turn the sun's energy into electricity.

*Source: University of Michigan.*

"The saddest aspect of life right now is that science gathers knowledge faster than society gathers wisdom."

-Isaac Asimov