



GOVERNMENT COLLEGE OF ENGINEERING

BARGUR - 635104

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWS LETTER (OCT-DEC 2014)



VISION:

To be a center of new ideas and innovations by providing quality education in the field of Electrical and Electronics Engineering.

MISSION:

To provide an environment in which new ideas and research thrive and from which the leaders and innovators of tomorrow emerge.

The organized events in our department are,

- Technical Workshops
- National Level Technical Symposium
- TEQUIP II Sponsored Students training programme
- TEQUIP II Sponsored Faculty Development programme
- Industrial Visits Programme



WEBSITE: www.gcebargarh.ac.in

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO 1. Apply a broad, fundamental based knowledge and up-to-date skills required in performing analysis and synthesis in Electrical and Electronics Engineering.

PEO 2. Design works pertaining to Electrical and Electronics Engineering using basics of circuits, incorporating the use of design standards, realistic constraints and consideration of the economic, environmental and social impact of the design.

PEO 3. Use modern computer software tools to analyses and solve Electrical and Electronics Engineering problems and explain and defend their solutions and communicate effectively using graphic, verbal and written techniques to all audiences, and pursue lifelong learning and research.

PROGRAM OUTCOMES:

- An ability to apply knowledge of mathematics, science, and engineering,
- An ability to design and conduct experiments, as well as to analyze and interpret data,
- An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- An ability to function on multidisciplinary teams,
- An ability to identify, formulate, and solve engineering problems,
- An understanding of professional and ethical responsibility,
- An ability to communicate effectively,
- The broad education necessary to understand the impact of engineering solution in a global, economic, environmental, and societal context,
- A recognition of the need for, and an ability to engage in life-long learning,
- A knowledge of contemporary issues,
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,
- With basic understanding of electrical and electronics principles students can become a member and then a team leader to manage innovative projects

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NATIONAL LEVEL TECHNICAL SYMPOSIUM

Organized by society of Electrical and Electronics Engineering

Paper presentation was organized in the national level technical symposium in which other college students actively participated and received exciting prizes with certificates.



Group discussion was conducted for other college students which received positive response from everyone



Project based on hydro powerplant was displayed by 3rd year students which was viewed by our Principal



Prizes were distributed for the winners by our dept. honours.



TEQIP II SPONSORED STUDENT TRAINING PROGRAMME



Our students working actively in the PCB DESIGN PROGRAM organized by TEQIP II STUDENT TRAINING PROGRAMME. We also trained the students in Pspice software and multisim software for the 2nd year students conducted on NOV 1st week.

The trainer explaining the students about soldering devices in TEQUIP II sponsored SOLID STATE SWITCHES AND ELECTRONICS CONVERTERS DESIGN BASED PROGRAMME conducted on NOV 2nd week.



Students working together in the LINEAR INTEGRATED CIRCUITS laboratory in one of the TEQIP II SPONSORED programme with the instructor.

INNOVATIVE INVENTION



SAPHONIAN BLADELESS WIND TURBINE-boasts impressive efficiency,low cost.

Tunisian green energy startup Saphon energy has created anew bladeless wind turbine which draws insipiration from the design of ship's sails and promise to convert the kinetic energy of the wind into electricity up to double the efficiency-and half the cost-of a typical wind turbine.

As illustrated by the development of solar aero and catching wind power bladeless turbines,there is a perceived need for wind turbines which can offer renewable energy while also avoiding the use of rotating blades,which can cause noise pollution and harmful to birds.

The saphonian bladeless wind turbine received an international patent this march 2015 and saphom energy is currently seeking calloboration with a manufacturer in order to bring the technology to market ,a process which the company estimates could take upto 2 yrs.. and is currently looking to find itself a place in market.



INSTALLATION OF SOLAR PANEL

The installation of solar panel by our students was done during the month of December



INDUSTRIAL VISIT PROGRAM

Industrial visit to Neyveli for the academic based training which was very useful.

The students in the background of the thermal Powerplant in the industrial visiting program



The pictures from the neyveli lignite power plant by which power plant engineering was practically visualized



There is no EnginEring without
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