



ELECTRICAL GNOSYS

From HOD desk

*This time while introducing the Electrical Gnosys December 2014, I would like to wish you all Merry Christmas and Happy New Year and I take this opportunity to congratulate Ms. Betsy Baby AP, EEE who got **First Rank** in M-Tech Electrical Machines from Kerala University and Mr. Prabin James AP, EEE for publishing his book on “**Soft switching converter for photovoltaic systems**”.*

Prof. Laly James

HOD, EEE

VIMAL JYOTHI
ENGINEERING COLLEGE
DEPARTMENT OF
ELECTRICAL AND
ELECTRONICS
ENGINEERING
BI-MONTHLY
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Inside this issue:

RAYO 2014	2
PROJECT EXHIBITION S7 EEE	2
INSTITUTION OF ENGINEERS INDIA-IEI	3
STAFF ACTIVITIES	4
STAFF ACHIEVEMENTS	4

VISION & MISSION OF EEE

VISION

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skillful engineers instilled with human values and professional ethics.

MISSION

To produce competent and disciplined Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society.

RAYO 2014

EEE Department day RAYO 2014 was celebrated on 29th October.

RAYO headed with Staff Coordinator Jobin Rocky and student coordinators Samson Sabu Mathew and Sabna P.K S7 EEE was a grand success.

The inaugural function was done by the Chairman, Vimal Jyothi Engineering College, Fr. Geo Pulickal, in presence of College Principal Dr. Benny Joseph, Administartor Fr. Jinu

Vadakkemulanjanal, Bursar Fr. George Asarikunnel, HOD-EEE Mrs. Laly James, all staffs and students of EEE department. Various competitions based on the academics held on the same day. Students of other departments also participated in the competitions.

The exhibition conducted during RAYO 2014 was the center of attraction. A large group of about 500 students from 8 Schools and the public had

visited the exhibition and made RAYO 2014 a grand success.

The main theme of exhibition was the ancient time before electricity, invention of electricity, generation distribution and transmission of electricity, present day after the invention of electricity.

Modern electrical equipments which we come across also exhibited during the show.



PROGRAM EDUCATIONAL OBJECTIVES (PEO)

1. Graduates will achieve broad and in-depth knowledge of Electrical and Electronics Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.
2. Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to their discipline.
3. Graduates will sustain intellectual curiosity and pursue lifelong learning not only in areas that are relevant to Electrical and Electronics Engineering, but also that are important to society
4. Graduates will adapt to different roles and demonstrate leaderships in global working environment by respecting diversity, professionalism and ethical practices.



PROJECT EXHIBITION BY S7 EEE



Visit by Institution of Engineers India-IEI

Accreditation team from Institute of Engineers visited our College campus from 19/11/2014 to 21/11/2014. Department of Electrical and Electronics Engineering was visited by Dr. Mrityunjaya Kappali. All the staffs of our department had meeting with Dr. Mrityunjaya Kappali in our department staff room. HOD, Mrs Laly James did the power point presentation describing the departmental activities. Dr. Mrityunjaya Kappali had visited all our labs, class rooms and interacted with our PG and UG students.

About Institution of Engineers INDIA -IEI

IEI was established in 1920 in Madras with Sir Thomas R. J. Ward as the founding president. It was formally inaugurated in 1921 by Lord Chelmsford, the then-Viceroy of British India. In 1935, IEI obtained the Royal Charter of Incorporation from King George V 'to promote and advance the science, practice and business of engineering'. Sir Thomas Guthrie Russell (president 1933–34) lead the successful petition for a Royal Charter. The current president is Er. Ashok Kumar Basa and the two Vice Presidents are Dr.L V Muralikrishna Reddy and Er S K Shukla. Dr. L V Muralikrishna Reddy has been elected as the President for the session 2014-2015. The Institution obtained the full membership of the Engineers Mobility Forum (EMF) at the Bi-annual International Engineers Meetings 2009 held at Kyoto, Japan on 17 June 2009. The IEI delegation to the meetings was led by its President, Rear Admiral K O Thakare.

Programme Outcomes

- 1 .An ability to apply knowledge of mathematics, science, and engineering.
- 2 .An ability to design and conduct experiments, as well as to analyze and interpret data.
3. 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.
- 4 .An ability to function on multidisciplinary teams.
5. An ability to identify, formulate, and solve engineering problems,
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. Recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.





Staff Editor

Mr. Jithin K Jose
AP EEE



Placement Corner

PAGE—4

The management of VIMAL JYOTHI decided to depute two staff members from each department as Placement Coordinators and EEE department got utmost committed members Mr. Jithin. K. Jose AP, EEE and Ms. Thanu James AP, EEE as the new Placement Coordinators of the department. Wishing you all the best.

Staff Activities

A hands on workshop on **virtual instrumentation using 8051 and KIEL** has been conducted by dept. of EEE in association with IAS IEEE on 8/12/2014. The classes has been taken by Mr. Sarin.C.R, Mr. Jobin Rocky and Mr. Parag Jose for M-Tech students.

A workshop on **virtual instrumentation using aurdino** has been conducted by dept. of EEE in association with IAS IEEE on 8/12/2014. Tthe classes has been taken by Mr. Sarin.C.R, Mr. Nikhil Valsan and Mr.Jithin.K.Jose for S4 EEE

Staff Achievements



Congratulations to Mr. Prabin James AP, EEE who published a book on “soft switching converter for photovoltaic systems” having ISBN NO:978-3-659-61791-1 Lambert academic publishing house Germany on 13-10-2014 .



Congratulations to Ms. Betsy Baby AP, EEE who won first place in M-Tech Electrical Machines from Kerala University. EEE Department is proud of you.

Its Christmas time

We Dept. of EEE wishes all Vimal Jyothians Merry Christmas And Happy New Year 2015



Wishing you

Happy Christmas



Dept. of EEE Electrical GNOSYS