

DEPT OF
EEE

VIMAL JYOTHI ENGG. COLLEGE KANNUR

Newsletter

ELECTRICAL GNOSYS VOLUME-2 ISSUE-2



MARCH 2014

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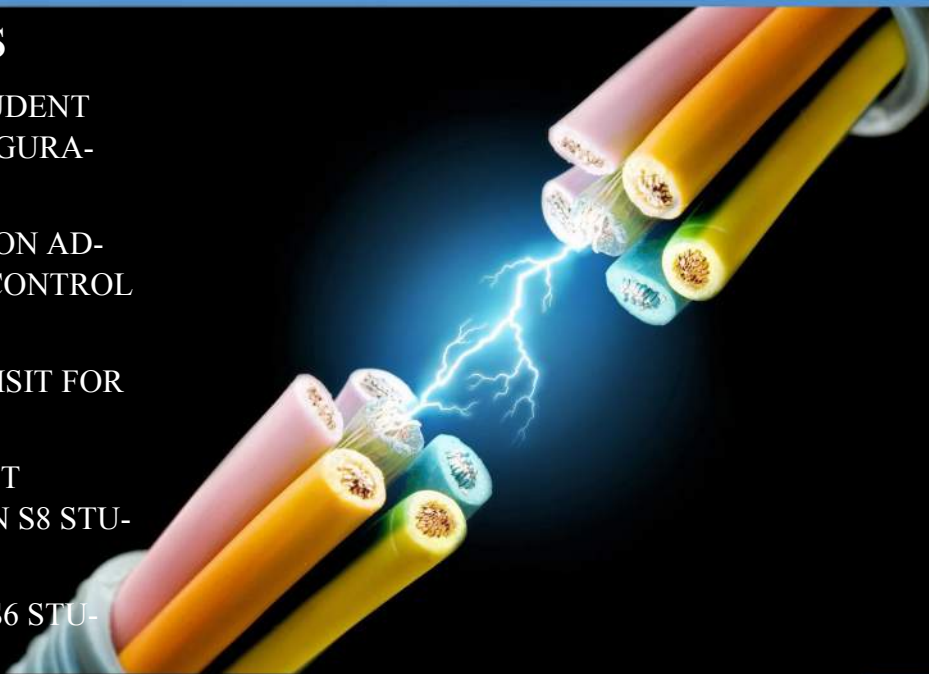
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FROM HOD'S DESK,

In this issue of ELECTRICAL GNOSYS I'm happy to inform you all that IAS STUDENT BRANCH VJEC was inaugurated in presence of Mr. Blake Lloyd president IEEE IAS, Dr. Peter Magyar CMD Chair, and Srikanth Vasudevan Pillai R-10 Region Chair. I feel that this organization will be a great asset for the students as well as our department. The industry applications society has already offered our students to take abroad for conference volunteering activities. Our students will be moving on to USA, Germany and Croatia by this academic year. The society has also given financial assistance of 500 dollars as a starting subsidy and with the continuous activities by the student branch, the society was much satisfied and also granted 1000 dollars. I personally feel that the inauguration of this society will be a giant leap for the department of EEE.

PROF. LALY JAMES

MISSION

To produce competent and discipline Engineers through delivery of quality education to meet the on going global changes in alignment with technical education system and society

VISION

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

INAUGURATION OF IAS STUDENT BRANCH ON 27th JANUARY 2014

IAS student branch of Vimal Jyothi engineering college was inaugurated on 27th January 2014 in presence of the delegates Mr. Peter Magyar IAS CMD chair, Mr. Blake Lloyd president IEEE IAS and Mr. Sreekanth Vasudev.



There was a prize and certificate distribution for the events conducted by IAS SBC. Mr. Magyar did the distribution of certificates. Fr. Jinu Vakkemulanjanal, administrator of Vimal Jyothi, Ms. Laly James head of the dept. electrical and electronics engineering delivered the felicitation.



UNDERGRADUATE (B.Tech) PROGRAMME EDUCATIONAL OBJECTIVES(PEOs)

- A) Graduate 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
- B) Graduate will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to their discipline
- C) Graduate will sustain intellectual curiosity and pursue lifelong learning not only in areas relevant to electrical and electronics engineering, but also that are important to society
- D) Graduate will adapt to different rolls and demonstrate leadership in global working environment by respecting diversity, professionalism and ethical practices.

PAPER ON ADVANCED MPPT CONTROL

SCHEME FOR A PERMANENT MAGNET GENERATOR

Mr.C.Parag Jose, Assistant Professor Vimal Jyothi engineering college has presented a paper on advance MPPT control scheme for a Permanent Magnet Generator Based Grid-Tide Wind Energy Conversion System. This was published in IEEE Explorer

The paper investigates a method to extract maximum mechanical power that can be generated from a wind turbine a particular wind speed and feeding the generated power to the grid. The generator used is a permanent magnet synchronous generator which is a variable speed genera-

tor. The pitch angle control to enable protection of the Wind Energy Conversion System from mechanical damages is also presented. The simulation of the integration of the system to the grid and maximum power point tracking is performed using MATLAB/SIMULINK software and results are successfully presented



INDUSTRIAL VISIT FOR S4 STUDENTS

S4 EEE class organized an industrial visit to SARK CABLES Kanjikode, Palakkad and EL Power Transformer Kanjikode on 26th February 2014, under the guidance of Mr. Nikhil Valsan K, Mr. Jobin Rocky, Mr. Jithin K Jose and Sr. Ancilin. SARK cables is an arising copper cable manufactures in Kerala. EL Power Transformer Kanjikode is one of the leading producers of CT, PT and their testing equipments



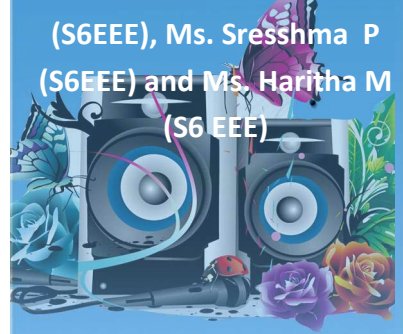
UNDER GRADUATE (B.Tech) PROGRAMME OUTCOMES (POs)

- A) An ability to apply knowledge of mathematics, science, and Engineering
- B) An ability to design and conduct experiments, as well as to analyze and interpret data
- C) An ability to design a system, component, or process to meet the desired need within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability
- D) An ability to function on multidisciplinary teams
- E) An ability to identify, formulate and solve engineering problem
- F) An understanding of professional and ethical responsibility
- G) An ability to communicate effectively
- H) The broad education necessary to understand the impact of Engineering solutions in a global, economic, environmental and societal context
- I) A recognition of the need for, and an ability to engage in life long learning
- J) A knowledge of contemporary issues
- K) An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

MAIN PROJECTS OF FINAL YEAR STUDENTS



Congratulations for all who had participated in university arts festival 2014. Also special congratulations for Mr. Ashwin Pramod (S6EEE), Ms. Sresshma P (S6EEE) and Ms. Haritha M (S6 EEE)



MAT LAB FOR S6 STUDENTS



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