

Dept. News Letter

Vol 01, 2013

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING JYOTHI ENGINEERING COLLEGE, CHERUTHURUTHY, THRISSUR

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HOD, Dept of EEE

Prof. P.V. Abdul Hameed

Members of Faculty (EEE Dept.)

Dr. Jose P. Therattil, Dr. Praveen R P, Mrs. Anu Sunny, Mrs. Reshma Raj, Mr. Jenson Jose, Mrs. Della David, Mr. Prasad C, Mr. Vineeth V V, Miss. Soumya C, Miss. Aswathy Rajan,
Mrs. Jitha Joseph, Miss. AAthira K V, Miss. Renjini G, Mrs. Aleena Mariya Vincent, Miss. Saritha P, Lecturer (On Study Leave), Miss. Reshmi Boby, Lecturer (On Study Leave)

Supporting staff

Mr. Janeesh V J, Mr. Raghavan N K, Mr. Davis K T, Mr. Geo Jose M, Mrs. Saritha N

This newsletter briefly depicts the important events and achievements of the department related to students and members of faculty.
Also, this showcases important photographs of various events in the department.

STARTING OF M.TECH DEGREE COURSE IN POWER ELECTRONICS



Inaugural ceremony of M.Tech program in Power Electronics in the dept. was held on 16th august 2012. Dr. S Ashok, Professor of NIT Calicut was the chief guest.

VISIT OF AN EMINENT PERSONALITY IN THE DEPARTMENT



Smt. Tessy Thomas, Scientist (G), Project Director (Agni), DRDO, Hyderabad, visited the Dept. of EEE on 18/2/12 and inaugurated the activities of Association of Electrical and Electronics Engineering, AEEE for the academic year 2012-13.

ADVISORY COMMITTEE OF DEPARTMENT OF EEE

- 1) Prof. P.V. Abdul Hameed, HOD, EEE
- 2) Er. Christo George CMD, M/S HYKON
- 3) Dr. B. Jayanand, Asst Prof, Dept of EEE, GEC, Thrissur

- 2) Sri. P. Bhaskaran, Advocate, High Court, Kerala
- 4) Dr. Thomas Philip, Principle General Manager, BSNL, Thrissur
- 6) Mr. Praveen R.P. AP, Dept EEE

Department Achievements

> Two Day workshop on 'Designing & setting up of Electrical Installations' was conducted under the auspices of AEEE and sponsored by ISTE on 5th and 6th May 2010. The function was inaugurated by Prof. Rajan Babu (Chief Electrical Inspector Retd.). Dr.P O J Lebba , Principal, MES College of Engineering presided the Valedictory function.



> A 3-day ISTE - Sponsored Short Term Course on "Emerging Trends in Power Electronics and Systems" was conducted under the auspices of AEEE on February 1st, 2nd & 3rd 2012. The function was inaugurated by Er. Christo George, CMD, Hykon India Pvt. Ltd. Dr. B. Jayanand, Assoc. Prof., GEC, Dr. Nanda Kumar, Assoc. Prof., GEC, Dr. Sasidharan Sreedharan, Assoc. Prof., VAST, Dr. S. Ashok, Prof., NITC, Er. Christo George, CMD, Hykon and Dr. A. Amar Dutt, Prof., GRIT delivered expert talks on above topic in various sessions.



> ISTE Sponsored 3 - Day National Level FDP on Design Testing and Launching of Satellite Systems organized by EEE, ECE and AEI Dept. was held from 6th Feb to 8th Feb 2013. The Programme was inaugurated by Dr. Gopakumar S, Former Dy. Director VSSC and Consultant C-DIT TVM. The various sessions of the 3 days FDP programme were handled by the eminent scientists from VSSC Trivandrum.



Expert Talks

- > Er. Christo George, CMD, M/s Hykon Industries Pvt. Ltd, addressed and interacted with the members of faculty and PG students on the Topic: Innovation and Success & A talk on 'Renewable Energy and its importance' was rendered to the final year students.
- > An expert talk on "Computer applications in Power System" was rendered by Prof. Sasidharan Sreedharan, VAST, Trichur.
- > An expert talk on "Energy Efficiency in Transmission and Distribution System" was rendered by Er. P. A Johnny, Certified Energy Auditor.
- > An expert talk on "An Introduction to PMBLDC Motor" was rendered by Mr. Praveen R.P Asst. Professor, EEE, JECC.
- > An expert talk on "Building Industry" was rendered by Mr. Vineeth from TEC Institute, Cochin.
- > An expert talk on "Basic principles of Law" was rendered by Sri. P Bhaskaran Advocate, High court of Kerala.

Students Achievements

- a) P. Krishnakumar Sivasdas (2006-10 Batch) won first prize in the seminar on 'Global Warming - Post Copenhagen Challenges to Kerala Power Sector' conducted district level under the auspices of KSEB Engineers Association on 7th April 2010.
- b) An Album 'Beyond Modules' created by 2008 Admission Batch, was released by 'Bhramaram' fame Kumari. Purnasree on 8/01/10. Msgr. Raphael Vadakkan, Former Manager, Dr. U. Lazar John, Former Principal, Er. Thomas Mathew, Administrator members of faculty of the college and students were present in the function. Album two Awards for Best Playback Singer (Female) and Best Cameraman presented by All Kerala Video Album Federation to 2008 Admission Batch students for their Album 'Beyond Modules'.
- c) Ms. Greeshma Chandran (2008 - 12 Batch) has won third prize for the paper presentation contest held at Vidya Academy of Science & Technology, Thrissur on 12th Oct 2010 in connection with the one day programme for observing 'International Day for Ozone layer protection 2010' sponsored by Kerala State Council for Science, Technology & Environment, Trivandrum.
- d) Ms. Greeshma Chandran (2008 - 12 Batch) won first prize in the seminar on Nano Technology conducted on a district level competition under the auspices of KSEB Engineers association on 23rd Feb. 2011. Ms. Helma Mani (2008 - 12 Batch) won third prize for the same event.
- e) 'Wireless energy transfer' and 'Solar Tracking', projects from EEE Department got first and second prize respectively in the Project Exhibition organized by IEEE held on 29/7/11. Wireless Energy Transfer done by: Mr. Ashis R, Mr. T. P. Vishnu, Mr. Ajeesh K P & Ms. Riya Philip. Solar Tracking done by: Ms. Suji U Menon, Mr. Arun Burni, Mr. Christo Mathew & Ms. Gayathri Raja (2008 - 12 Batch Students)
- f) Ms Greeshma Chandran and Ms Minu Joy (2008 - 12 Batch) won second prize in paper presentation in INSPIRO'11 conducted by IT Dept. of JECC.
- g) Mr. Manu Mohandas and Ms. Niya Stanley (2008 - 12 Batch) won Second prize in the event 'Movie Freak' of INSPIRO'11.
- h) Mr. Nelwin Babu, Mr. Jayesh C, Thomas, Mr. Jessal K J, Mr. Fazil K (2009 - 13 Batch) won the Second prize in the event ROBO WAR of AZURE'12 a National Level Techno Cultural Managerial Festival held on 26th, 27th and 28th January 2012 at Amal Jyothi Engineering college, Kottayam.
- i) Jyothi Engineering College, Thrissur has won the CONSOLATION PRIZE in the NATIONAL ENERGY AUDIT COMPETITION for engineering college students organised by ENERGY CONSERVATION SOCIETY (ECS). Mr. Martin Joseph, Ms. Meera P Nair, Ms. Martina Johnson, Mr. Anand M Asokan (2008 - 12 Batch) Participated in the Competition representing the college.
- j) Group of students consisting of Mr. Ashis R, Ms. Helma Mary Muttath, Mr. Ajeesh K P, Mr. Nideesh K Chandran and Ms. Sreedevi C R, etc of the final year have been selected to present their paper on "A NOVEL FUZZY LOGIC CONTROLLER BASED AUTOMATIC CAUTION ORDER FOR INDIAN RAILWAYS" at an IEEE conference which was held on August 24th, 2012, in a college at Chennai.
- k) Hasna V K and Savithry T S, S8 EEE (2009 Adm.) students presented a paper titled "Intentional Islanding Operations for Distributed Power Generation" on 'Grid Connectivity of Renewable Energy - Issues and Solutions', a State Level Seminar Competition organized by the KSEB Engineers Association with the support of IEEE Power and Energy Society Kerala Chapter held on 26/3/13. They won the Award on the title of "Best Implementable and Innovative Idea" in the seminar competition organized by KSEB & IEEE PES Chapter. The above certificate and the award will be distributed on the occasion of the annual General Body Meeting of KSEB Engineers Association scheduled to be conducted on 19th May 2013 at Fine Arts Hall, Ernakulam.
- l) Savithry T.S, Hasna V.K and Amrutha Mohan of S8 EEE has won 2nd prize for Project Exotica in the Technical Fest Panchajanya 2013 held at Sreepath Institute of Management and Technology, Vavannoor during 1st and 2nd Feb 2013.
- m) Mr. Jishnu R, S6 EEE has been selected as the Microsoft Student Partner to represent Jyothi Engineering College for the academic year 2012-2013.
- n) Chacko J Chembukkavu, secured 3rd prize in written Quiz Competition held in connection with BSNL day/week celebration for the year 2012
- o) Chacko J Chembukkavu, achieved 3rd place in ASTHRA as part of Tharang 12 v.2.0 on 10/11/12.

Industrial Visits



41 students of S8 EEE (2009 Adm) accompanied by 2 members of faculty (Mr. Prasad C and Ms. Liza Baby) and a parent went on an Industrial tour to Bangalore and Hyderabad from 17/1/13 to 23/1/13.

Industries Visited : HAL Bangalore on 18/01/2013 and CMET Hyderabad on 21/01/13.



44 Students of S4 EEE (2011 Adm) accompanied by 2 members of faculty (Mr. Vineeth V and Ms. Sreethumol M V) went on an Industrial Tour to Idukki (3 days) from 23/1/13 to 25/1/13. Industries Visited : Viyyur Sub Station and Peringalkuthu Power Station.

59 students of S6 EEE (2010 Adm) accompanied by 2 members of faculty (Mr. Vineeth V V and Mrs. Anu Sunny) went on an Industrial Tour (1 day) to Peringalkuthu Power Station on 23/2/13.

Faculty Relieved/Posted

Mr. Kannan M, AP EEE Dept. was relieved from his duties of the college w.e.f 11/12/12 (AN).

Mrs. Saritha N was appointed as Junior Instructor in EEE Dept. joined on 5/3/13 and allotted to take charge of the PG Power Electronics Lab.

Faculty Achievements

- a) First 'Dr. Vikram Sarabhai Memorial State level Award' instituted by Shastra Samskarika Charchavedi, Kodungalloor was presented to Prof. P. V. Abdul Hameed, HOD, EEE on 26/9/10 by Adv. Thomas Unniyadan (MLA) in honor of his contributions in the field of Technical Education.
- b) Mr. Praveen R.P has been awarded PhD by Cochin University. He carried out his research work at School of Engineering, CUSAT and ISRO inertial systems unit which was a live project of ISRO during the period 2008-2012. Topic: Design, Analysis & Realization of Zero-Cogging Permanent Magnet Brushless DC Motor for Space Craft Applications.
- c) Mr. Praveen R.P is the reviewer of "Electric Power Components and Systems" journal of Taylor and Francis. He has also reviewed for various International Conferences including International Conference on Electrical Machines.
- d) Mr. Praveen R.P, AP, EEE was the Young Scientist Award Nominee at the 20th Kerala Science Congress.
- e) Mr. Praveen R.P and Mr. Kannan M secured the Prize Paper Awards at the National Conference in Technological Trends conducted at College of Engineering, Thiruvananthapuram.
- f) Mr. Praveen R.P and Mr. Kannan M secured First Rank in M. Tech (Electrical Machines and Power Systems respectively) degree Examination conducted by Kerala University during 2007.
- g) Mr. Praveen R. P., AP, EEE published a total of 5 International Journal Papers including that in IEEE Transactions on Industrial Electronics which has got the highest Impact Factor among Electrical Engineering Journals. He has also got 5 papers published in IEEE Conference Proceedings which is available via IEEE Explorer.
- h) Mrs. Jitha Joseph, AP, EEE secured 3rd rank in M. Tech (Power Electronics & Drive) Degree Examination conducted by Karunya University (Deemed) during April 2011.
- i) Ms. Aathira K.V, AP, EEE secured 3rd rank in M. Tech (Industrial Drives and Control) Degree Examination conducted by M. G University during September 2011.
- j) Ms. Aathira K.V, AP, EEE presented and published a paper on "A soft switching boost converter with H bridge auxiliary resonant circuit" at International conference on Recent Innovations in Technology (ICRIT) by GRIT, Kottayam on 13th January 2012.
- k) Ms Renjini G presented and published a paper on "Single Phase Matrix Converter For Input Power Factor Improvement" at International conference on Recent Innovations in Technology (ICRIT) by GRIT, Kottayam on 13th January 2012.
- l) Ms Aathira K.V received an 'Outstanding student volunteer Award' from IEEE IAS SB chapter of RIT Kottayam for her contribution to the IEEE IES SB chapter during the year 2010-2011
- m) Ms. Aathira K.V., AP, EEE won 3rd prize in the IAS CMD Student Master Thesis Contest Award 2012.

Agnipath - The Robowar



Agnipath 2013 was conducted on 6/3/13 under the auspices of AEEE as a part of Tharang v.2.0. Total 18 teams from different engineering colleges competed in the events, Robowar and Line Follower.

Social Service and Community Development Programme



1. S8 EEE students along with two staff members (Prasas C and Soumya C) visited the Holy Family Lower Primary School, Akamalavaram, Malampuzha, Palakkad for their Social Service Camp on 6/12/12 and 7/12/12.
2. Social service and community development programme was held at Vallathol Nagar Panchayath on 11/12/12 and 12/12/12

Industry Institution Interaction



All 1st batch M.Tech students accompanied by 4 members of faculty, viz. Prof.P.V.Abdul Hameed, HOD, Mr. Jenson, Ms. Della David and Ms. Jitha Joseph visited M/S Hykon, Kuttanellloor on 28/2/13 and interacted with Mr. Christo George, CMD of the factory. Accordingly following decisions were taken.

- a) Provisional Permission to impart Industrial Training to PG students during vacation.
- b) To work along with TBI so as to encourage the R&D and Consultation activities of the members of faculty.
- c) To boost the placement offers to both PG and UG students.