



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY-

Kalitheerthalkuppam, Puducherry- 605107

ELECTRICAL AND ELECTRONICS ENGINEERING

NEWSLETTER- OCT. 2014

ABOUT THE DEPARTMENT:

The Department faculty members are consistently doing well in teaching and research activities. The Department offers UG programme in full time course. It was started in the year 2008 with an intake of 60 students and it was increased to 120 seats in the year 2011. The department has students association "ELECTRA" (Electrical and Electronics Techno Regal Association) with the 169 student members in the year 2010, presently students members are increased to 240 and IEEE students chapter was inaugurated in the year 2012. The Department provides exposure to the students with hands-on experience on various Electrical Engineering subjects to face the challenges of the modern corporate world and hence develops responsible citizens for the country with a willingness to serve the society.

The Department established internal Library with 300 titles and IEEE volumes for the welfare of the Faculty members and students.

STAFF ACHIEVEMENTS:

Our Faculty member Mr.K.SEDHURAMAN has been awarded **PhD** Degree for the thesis titled "Design and Performance Analysis of Neural Network Based Speed Estimators For Sensor less Vector Controlled Induction Motor Drives" (Pondicherry University) on **April** 2014.

STAFF PUBLICATIONS

- Mr.N. Amarabalan Published a paper on "Mitigation of Power Quality Problems in 3 Φ , 3 wire distribution system using dynamic voltage restore" in IJEET
- Ms. S.Sivajanani @ Santhoshma, Mrs. V. Thebinaa & Mr.N.ArunKumar Published a paper on "GA based performance enhancement of SHE methods for nine level inverter " in IJETTCS- International Journal of Emerging Trends Technology in Computer Science
- Ms. S.Sivajanani @ Santhoshma & Mrs. V. Thebinaa Published a paper on "Hopfield Neural Network based Selective Harmonic Elimination methods for H bridge Inverter" in IJEET- International Journal of Electrical Engineering & Technology
- Mrs. V. Thebinaa Published a paper on "Speed Regulation of DC drive using Variable Structure Controller" in IJERT – International Journal of Engineering Research & Technology.

STUDENT PARTICIPATION

- Gopu.J, Gowthaman.G, Karthik.B, Parthibaraj.M, Sathish.S & Vigneshwaran. S of III year EEE (A) sections have undergone inplant training at Marapalam Substation from 09.06.14-13.06.14.
- The students of third year & final year have attended the inplant & Internship Training in CHAKRA SMT LTD, Chennai on 19th of May. The students were assisted by Mrs. N. Sarumathi & Mr. N. Amarabalan.
- S.THIRUPAVAI & S.SUVITHA of IIIYR/WISEM Participated & Won FIRST Prize in PAPER PRESENTATION on "FLYING WIND TURBINE" Held at KRISHNASAMY COLLEGE OF ENGINEERING during FEB2014
- P.THAMIZHARASAN & S.MURUGAN of IIIYR/WISEM Participated & Won SECOND Prize in PAPER PRESENTATION on "BIOMASS" held at IFET COLLEGE OF ENGINEERING during FEB2014.
- RADHIKA .T,PRIYANKA .M,CAROLINE CHRISTY .T & MARTINA NAVARTHNA LOVA.J of II YR/IV SEM PARTICIPATED in two days WORKSHOP on CLOUD COMPUTING held at PEC 6th & 7thFEB 2014
- KARTHIK.B,SATHISH .B,VIGNESHWARAN.S,DHANMATHI .R,SHANMUGAPRIYA,SNEHA .S,KHARKUZHALI .C,GAYATHRI .K of II YR/IV SEM PARTICIPATED in two days WORKSHOP on ETHICAL HACKING held at PEC on 13th & 14th FEB 2014
- SUVEDHA.M,JOYCY FAUSTINA LOURDES.A,SANDHIYA .G,PURIMETLA SANTHI of II YR/IV SEM PARTICIPATED in two days WORKSHOP on "ROBOTICS" held at ACHARIYA ENGG COLLEGE on 18th & 19th FEB 2014
- AHAMED RASITH,S.SIVA GURUNATHAN,K.V.V SATHISH KUMAR,P.THAMIZHARASAN of IIIYR/WISEM PARTICIPATED in two days WORKSHOP on "ANSIS" held at VIT on FEB2014.
- K.AVINASH,D.J RAGUICHEVRANE,S.RAJKUMAR of IIIYR/WISEM Participated & Won SECOND & FIRST Prize in SYMPOSIUM & SHORT FILM at PEC(NEURA14,CYBRUS14) & BHARATHIYAR COLLEGE OF ENGINEERING ,PIMS during FEB2014
- S.THIRUPAVAI,S.SUVITHA,G.PADMAJA,S.SWATHINI of IIIYR/WISEM PARTICIPATED in MINI PROJECT Contest and made TOUCH ROBO LINE FOLLOWER at SMVEC during OCT2013

STAFF PARTICIPATION(SEMINAR/CONFERENCE ATTENDED)

- Mr.C.Shanmugasundaram Participated 2 Days National Seminar (CSIR) on Challenges of Power System Planning in Restructured Indian Electricity Market on 13.12.2013 & 14.12.2013 at PEC, Pondicherry.
- Mrs. N.Sarumathi Participated 2 Days National Seminar (CSIR) on Challenges of Power System Planning in Restructured Indian Electricity Market Seminar on 13.12.2013 & 14.12.2013 at PEC, Pondicherry.
- Mr. B. Balasundaram Participated 2 Days National Seminar (CSIR) on Challenge of Power System Planning in Restructured Indian Electricity Market on 13.12.2013 & 14.12.2013 at PEC, Pondicherry.
- Mr. D. Balaji Participated 2 Days AICTE Sponsored seminar at Mailam Engg College on 19.12.2013 & 20.12.2013.
- Mr. S. Rajkumar Participated 2 Days AICTE Sponsored seminar at Mailam Engg College on 19.12.2013 & 20.12.2013.
- Ms. M. Sheela attended International Conference on Recent Trends in Engineering & Technology on 09.01.2014.
- Mrs. S Santhalakshmy attended 3 Days workshop in MISSION10X and International Conference on Recent Trends in Engineering & Technology 10.09.13 to 12.09.13.
- Dr.K.Sedhuraman attended 3 Days workshop in MISSION10X (10.09.13 to 12.09.13)

MOU & INDUSTRY INSTITUTE INTERACTION

- ✓ Industry Tie-Up & MOU with M/S “**PHOCOS**”-**Solar India Pvt.Ltd**-Pondicherry which is a German based company manufacturing Off Grid Solar Charge Controllers.
- ✓ Four Students of our Passed out Batch(2010-2014) are undergoing **internship Training** for a period of six months.
- ✓ Guest Lectures and Industrial Visit have been arranged with them for III year Students.
- ✓ Twelve final year students had undergone Training for a period of 4 days.
On seeing their involvement , the company has provided the opportunity for doing their final year projects with full financial assistance .
- ✓ Steps has been taken to utilize our Power Electronics Lab using independent power sources (Solar Power).

PROGRAM ORGANISED

- AICTE Sponsored FDP was organized On Analysis & Modeling Of Motors Using FEM Packages from 18.11.13 to 31.11.13 and Mr.C.Santhanamani General Manager-HR M/S. Tanfac Industries Ltd was chief Guest for Inaugural.
- Mr.Senthilkumar,Manager,Talent EdgePondicherry delivered One Day Awareness Program on Industrial Requirement on 29.01.2014
- One Day Workshop on EMBEDDED SYSTEM by Mr.Gurubaran M/S.Flux Tech.Electronics Puducherry on 03.02.2014 for final year students
- Mr.D.Prakash Kumar, Deputy General Manager, Thermal Training Institute delivered One Day Seminar Practical Aspects Of Power Management And Electricity Sector Reforms on 04.02.14 .
- A Two Day Workshop On Solar Photovoltaic Power System Design, Simulation, Installation And Project Engineering was organized for III year students by Mr.S.Kannan M.Tech, Manager-technical , Green energy Solar Solutions, Puducherry on 17.02.14 & 18.02.14
- A guest lecture was delivered for the Third year & Final year students on the topic of “Renewable Energy Sources” by Mr. M. Shanmuganatham M/S PHOCOS SOLAR Pvt. Ltd on 28th June. The function was organized by Mrs.N.Sarumathi & Mr.N.Amarabalan.
- One day workshop on “MATLAB” was conducted for the students of third year (A & B) on 15th July by Dr. K. Sedhuraman.
- The inaugural function of Non Technical Club under ELECTRA association & motivation class for the third year students were arranged by Mr. N. ArunKumar on 25th July. The function was honored by Kalaimamani N. Chandrahari, Retrd. Govt. Officer, Puducherry.
- A guest lecture was delivered by Mr. C.Dhandapani, Retd. EE in EB on the “Overview of Power Systems”, which was organized by Mr. N. ArunKumar on 27th July.
- Mr. S.Senthilkumar, Assist. Director, NPTI, Neyveli has delivered a guest lecture on “Basics of Power System and its Issues” to the final & third year students on 26th July. The guest lecture was organized by Mr. B.Balasundaram.

- Dr.C.ChristoberasirRajan, Professor from PEC has delivered a guest lecture on “Security Features in SMART GRID” and also extended his lecture about project awareness to the students on 28th July. The function was organized by Mr.B.Balasundaram.
- One day awareness Program on Training and oppurtunities in BSNL for Engineering students on 07.08.2014 by Mr.V.Durairaju & Mr.V.Balasankar AE-BSNL Pondicherry. The function was organized by Mrs.N.Sarumathi & Mr.N.Amarabalan.
- Non Technical Symposium “TRANSMIT-2014” under ELECTRA held on 30.08.2014. which was organized by Mr. N. ArunKumar & Mr.S.Rajkumar.
- One day Seminar on Industrial Automation by Mr. Vivek,Deputy Manager,FORD, Chennai on 06.09.2014.

VALUE ADDED COURSES:

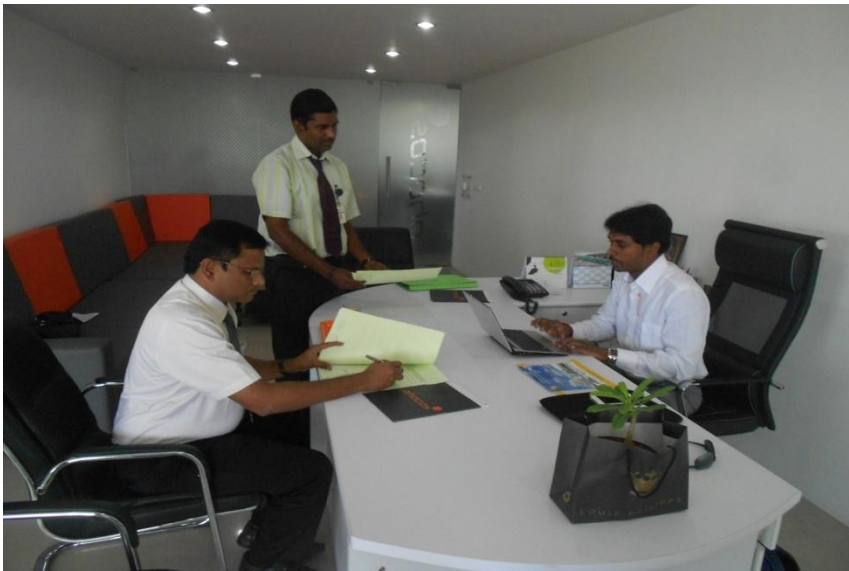
- Ten days Value added course for the Final year student was organized and carried by the tutors of Gray-wire Technical’s on the topic of “Embedded Systems” from 16.06.14.



Non Technical Symposium “TRANSMIT-2014” organized under ELECTRA held on 30.08.2014.



S.Thirupavai, S.Suvitha, presented a paper on “*Flying Wind Turbine*” at KRISHNASAMY COLLEGE OF ENGINEERING FEB2014 and got **First prize**.



Industry Tie-Up & MOU with M/S “PHOCOS”-Solar India Pvt.Ltd-Pondicherry which is a German based company manufacturing Off Grid Solar Charge Controllers.