



DSEC-EEE VOLTSREADER'18-19

July-18 To Dec-18

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FROM PRINCIPAL'S DESK



**Dr.S.Durairaj, M.E., Ph.D., PDF.,
BOYSCAST Fellow
Principal**

Electrical and Electronics Engineering is the fastest growing career and this trend is expected to continue over the next decade. Electrical Engineers work at the intersection of Engineering, the life sciences and healthcare, These Engineers take principles from applied science and physical sciences and apply them to Electrical and Electronics. Thus to initiate the students in this particular aspect, The department has issuing the newsletter called VOLTS Reader'18-19. It is an

effort in the direction to give exposure to the students on the recent development in the field of Electrical and Electronics Engineering. I am sure that this will help to open avenues for exchanges of ideas in this important and emerging field in Electrical and Electronics Engineering.

FROM HEAD OF THE DEPARTMENT



Dr.K.Anbarasan Ph.D.,

The Department of Electrical and Electronics Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur was established in the year 2001 - 2002 and affiliated to ANNA UNIVERSITY, Chennai. Two Post-Graduate programmes M.E. in

IN THIS ISSUE

Power Electronics and Drives during the academic year 2011-2012 and Embedded System Technologies during the academic year 2012-2013 have been introduced. We have a leading edge teaching facility and state-of-the-art laboratory facilities to enhance the learning experience of the students. The department develops the analytical and practical skills of students to serve better industrial, organizational and research set ups. We provide individual attention and world class quality of education. We have a team of highly qualified, experienced and dedicated faculty to impart quality education to the students. The EEE Department has been organizing many Symposiums, Seminars, Conference, Workshop, Guest lectures and the IEEE Chapter. I wish the students and faculty who have worked hard for the newsletter VOLTS Reader'18-19.

As it is very important to see our past also, In order to make good and progressive result in future. May this newsletter will help to provide the same. I wish all the best for the editorial board.

VISION OF THE DEPARTMENT:

To infuse technical competencies of Electrical and Electronics Engineering and provideresearch ambience with values.

MISSION OF THE DEPARTMENT:

M1: To impart quality education and training in Electrical and Electronics Engineering with an overall background suitable for making a successful Engineer in industry and research or higher education.

M2: To develop life-long learning skills that allows them to be adaptive and responsive to

changes in society, technology and the environment, as well as career demands.

M3: To provide an accredited dynamic scholarly environment wherein students learn to

develop communications and leadership abilities to blossom as a professional.

M4: To ensure that every graduate is aware of the roles and responsibilities of the professional engineer in society through exposure to ethics, equity, safety and health considerations.

PROGRAM SPECIFIC OUTCOMES (PSO's):

PSO1: Power Networks- Assess feasibility, applicability and optimality in power networks.

PSO2: System Simulation- Ability to use software or design, simulation and analysis of electrical systems.



National Technical Symposium- E³ FEST 2K18- 07/09/2018

E³ FEST 2K18 is organized with the objective to provide a platform for undergraduate students to present their concepts and development activities in Green Energy and Sustainable Development. It provides

opportunities for the undergraduate students to exchange new ideas and application experiences, in the field of renewable energy. The National Level Technical Symposium includes invited keynote talks and oral paper presentations industry to ignite our young minds, to initiate them in the field of meaningful research and thereby enrich their existing knowledge.

A total of about 25 technical papers were received from undergraduate students on various themes such as Sustainable energy research and application for industries, Smart grids, Energy auditing, Electric machinery, Power Electronics etc. The Programme Committee of E³FEST-2K18 invested great efforts in reviewing the papers submitted to the symposium and organizing the sessions to enable the participants to gain maximum benefit

Hopefully, all participants and other interested readers benefit scientifically from the proceedings and also find it stimulating in the process. On behalf of E³FEST-2K18, Events like technical quiz, circuit debugging were conducted to the students from various colleges. They participated well in all the events with good effort. Students who presented well in paper presentation as well as

technical events were appreciated by certificates and prizes. Participation certificates were distributed to all the participants.

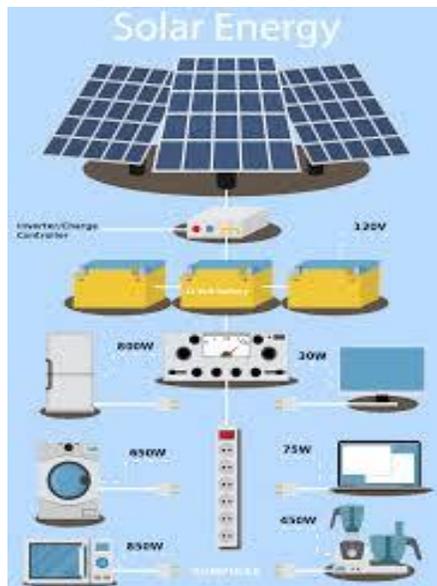


the Principal, Dean and it is distributed among the dignitaries and the audience.



The Symposium was inaugurated in the presence of our Chairman **Shri.A.Srinivasan**, Principal **Dr.S.Duraijaj**, Vice Principal **Dr.K.Velmurugan**, Dean/Academics **Mrs.J.Premalatha**, and Head of the Department/EEE **Dr.K.Anbarasan**.

Dr.S.Duraijaj, Principal delivered presidential address he insisted the importance of research in Energy management and Renewable energy and necessitated the need for knowledge dissemination and motivated the audience to gain more knowledge.



The chief guest **Er.S.SIVAKUMAR**, Electrical manager, TNPL, Perungudi inaugurated the symposium and delivered the keynote address on operation and maintenance of wind turbines and importance of wind energy harvesting. He motivated the students to convert their young mind to create the advancement of sustainable energy research and energy efficient technologies.



Dr.K.Anbarasan HOD/EEE

welcomed the gathering and symposium overview was given by **Prof.S.Selvakumaran**. The symposium souvenir was released by the chief guest **Er.S.SIVAKUMAR**, Electrical manager, TNPL, Perungudi and received by



INAUGURATION OF IEEE-28/07/2018

The IEEE Association was inaugurated for the year 2018-2019 by Dr.D.Devaraj, Dean, School of Electrical & Electronics Engineering, Kalasalingam University, Excom Member, IEEE Madras Section, in the presence of our Principal Dr.S.Duraiaraj.

Dr.D.Devaraj Delivered the chief guest address followed by introducing the office bearers of the IEEE association of our college. Dr.K.Anbarasan, Head of the Department /EEE, Who is the Branch Councillor of IEEE association of Dhanalakshmi Srinivasan Engineering College.

More than 70 members are joined in the IEEE association in our college. Dr.D.Devaraj was highly pleased that the DSEC has the more members in



IEEE association than any other institution registered with the IEEE Madras Section.

IEEE ROMA 2018

2018 IEEE 4th INTERNATIONAL SYMPOSIUM ON ROBOTICS AND MANUFACTURING AUTOMATION

10-12, Dec. 2018, Dhanalakshmi Srinivasan Engineering College (DSEC), Perambalur, Tamil Nadu, India

2018 IEEE 4th International Symposium in Robotics and Manufacturing Automation (IEEE-ROMA2018) will be held at DSEC, Perambalur, Tamilnadu, India from 10-12 December 2018. This flagship conference is organized by IEEE Robotics and Automation Society Malaysia Chapter (IEEE-RAS), DSEC and UCSL. The conference provides a platform for local and international researchers, engineers and scientists from academia and industry to present and discuss the latest technological advances and research progress in the fields of robotics, automation, and other related areas. The previous IEEE-ROMA flagship conferences were successful with more than 200 participants from all over the world.

Contact

IEEE-ROMA 2018 Secretariat

Email : irraivan_elamvazuthi@utp.edu.my

URL : <http://ras.ieeemy.org/roma-2018/>

PRESEDENTIAL ADDRESS



Chief Guest Address

Dr.D.Devaraj , delivered the chief guest address to the audience. He motivated the Faculty and students to join in the IEEE association. He explained about the benefits of joining in the IEEE association and also said that funding sections of IEEE association for various projects.



FACULTY ENRICHMENT PROGRAMME:

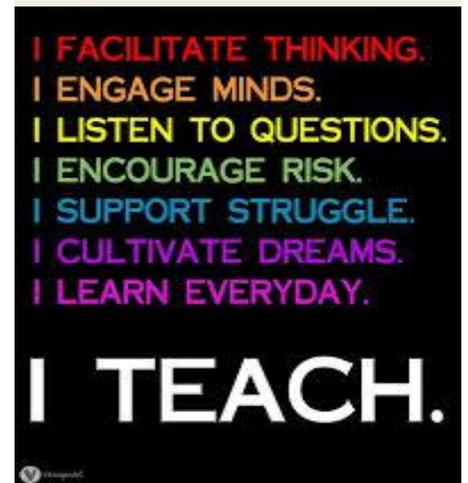
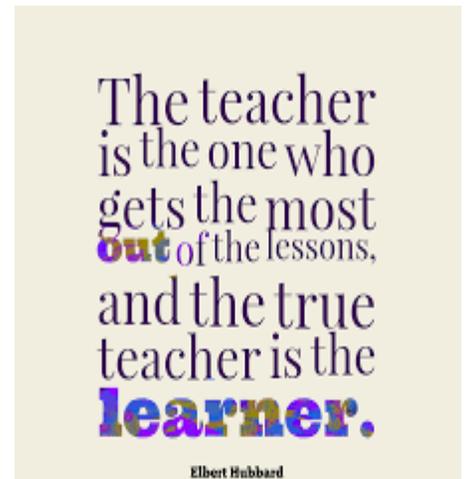
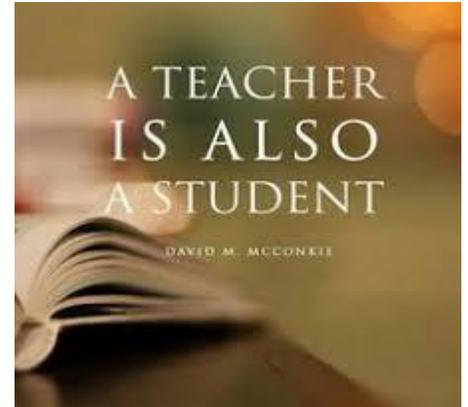
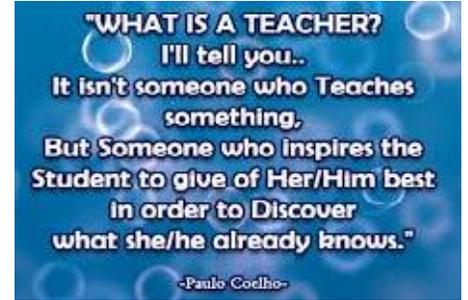
“ Work Smarter! NOT HARDER” as the quote specifies the faculty enrichment program arranged by our institute is the smartest program. It gives us immense pleasure to thank our management and distinguished Principal. The faculty enrichment programme has successfully conducted by the department of Electrical & Electronics Engineering.

Our beloved Principal Dr.S.Durairaj delivered his seminar on “Energy Conservation”. Our HOD Dr.K.Anbarasan delivered his seminar on “Alternative next generation controller”. Our Faculty presented their seminar on Physiological Assist Devices, Power Electronics Technology, MEMS etc. The evaluations of each presentation were done by senior faculty of our department.



Faculty gave presentation on their various expert areas like ARM processor, Genetic Algorithm, Electrical grid, Applications of Electromagnetic theory etc. The evaluation of each presentation were done by senior faculty of our department and from interdisciplinary department. The evaluation was based on communication skills, content of the topics, posture and gesture towards audience. Faculty presented their topics on respective slots allotted for them. Their presentations were recorded for complete 40 minutes. This kind of training program will help to increase the quality of teaching and the education provided in our

institution can be improved along with the personal growth of the faculty members.



STUDENT ENRICHMENT PROGRAMME:

The Department of EEE conducts various Students Enrichment Programme for the benefits of the students. The SEP is conducted with the association of Professional Societies IAENG, SESI and IEEE. On behalf of the Students Enrichment Programme, various activities were conducted like technical debate, technical quiz, individual seminars etc.



The inauguration of Solar Energy Society of India was conducted on 13.01.2018. The venue of programme conducted in seminar hall. The professional society SESI was inaugurated by our head of the department Dr.K.Anbarasan. He has introduced the office bearers of professional society. On behalf of inauguration of SESI, several activities were conducted for students. For second year students, Minute to win was conducted. Mr.J.Nagendran and Ms.T.Lavaya were co-ordinated the programme. Technical debate was conducted for III year students. That programme was coordinated by Mr.V.Vinothkumar Mr.D.Velmurugan for III-A and Mr.M.Asaithambi and Mr.M.Kathamuthu for III-B. Technical quiz was conducted for final year students. Ms.K.Preetha and Mr.D.Krishnamoorthy were coordinated the programme. The overall coordinators of the programme were Mrs.M.Parameswari and Mr.C.P.Vignesh. Students of all the years were actively participated in the programme.



The inauguration of professional societies of our EEE department was conducted on 14.07.18. The professional societies were inaugurated by our head of the department Dr.K.Anbarasan. He has introduced the office bearers of professional societies. On behalf of inauguration of professional society, several activities were conducted for students. For second year, Minute to win was conducted. Prof.J.Nagendran was the co-ordinator for II –A. Prof.A.Sugasini and Prof.C.P.Kandasamy were the co-ordinators

for II-B. A technical debate was conducted to III year students. Prof.D.Krishnamoorthy and Prof.P.L.Santhosh kumar were the co-ordinators for III year.

Multimedia presentation was conducted for IV year students. Prof.M.Asaithambi and Prof.V.Vinothkumar were the co-ordinators for final year. Students were participated well in their respective activities. Finally, Appreciation certificate was distributed by our Head of the department Dr.K.Anbarasan to the best performer of the professional society activities.



