

# VOLTS READER 15-16

## Volume I- July 2015 to December 2015

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### Vision And Mission Of The Department

#### VISION

To infuse technical competencies of Electrical and Electronics Engineering and provide research ambiance with values.

#### MISSION

1. 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.
2. 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.
3. To provide an accredited dynamic scholarly environment wherein students learn to develop communications and leadership abilities to blossom as a professional.
4. 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.

### FROM CHAIRMAN'S DESK



Dhanalakshmi Srinivasan Engineering College (DSEC) strives to establish itself as a citadel of quality technical education in the global arena of engineering and technological education. The college actively updates itself with foresight, vision and perspective of committed learning, research and training to meet the global demands for professional talents of international standards. "Towards Excellence" is the motto of the institution. The institution provides world class infrastructural facilities comparable with the best of its kind in the field of education, state of the art laboratories, innovative teaching-learning process and personality development programmes in moulding and creating students

### FROM PRINCIPAL'S DESK

**Dr.T.Elango,M.E,Ph.D**  
**PRINCIPAL**



Education of the highest order aims at training, guiding, inspiring, motivating and leading young men and women to become successful leaders to serve the country better. The department of Electrical & Electronics Engineering provides the students all facilities and help to reach their destination. The laboratories have been setup with the state-of-the-art equipment to carry out regular exercises, fundamental and applied research.

### FROM HOD'S DESK

**Dr.K.Anbarasan,M.E,Ph.D**  
**HOD/EEE**



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 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 15-16. 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.

## DEPARTMENT ACTIVITIES

### NATIONAL CONFERENCE

Our department organized one day national level conference on Emerging Investigations in Electrical Engineering EIEEE 16 on 17.02.16. The inauguration of conference function started at 9.30am sharply. P.G.Student Ramya ME (EST) welcomed the gathering. Our beloved Principal Dr.T.Elango delivered the Presidential Address and honoured the chief guest. Our chief guest Dr.M.P.Selvan presented a valuable speech for the betterment of students carrier. The valedictory function started at 3.30pm and the participants from various colleges gave their oral feedback regarding the function. Dr.T.Elango Principal, DSEC issued the certificates and proceedings to the participants. P.G Student, Sivasankari of ME(EST) presented the vote of thanks. The department of Electrical and Electronics Engineering was established in the year 2002. The department shares the mission and vision of the institution, in imparting high quality education to the students. The department has highly qualified, committed and research oriented faculty members and supported by trained technical non-teaching staff.

### SYMPOSIUM

The Department of EEE organized one day national level symposium Daselsy 6G on 15.10.15. The chief guest Dr. K. Vijayarekha has given a valuable speech for the betterment of students carrier in future.

### STAFF ACHIEVEMENTS

1. More than 80% result was produced in many subjects.
2. More number of FDPS were attended by staff members

### FACULTY PUBLICATIONS

1. SCI Indexed Journal: 01
2. International Journal: 16

### LIST OF CONSULTANCY PROJECTS

1. GUI Based Automated Industrial Demand Controller, Funded agency Orbit Controls and Services.
2. Design of New Driver Safety Awareness and Assistance System for Cognitive Vehicle Control, Funded by VEE Technologies Solutions Pvt.,Ltd., Chennai.
3. Micro Power DC/DC Converter with Independent Low-Battery Detector, Synchronous Boost Converter, Funded by AMS Battery Industries, Salem.
4. Design Of BLDC for Automobile application, FPGA Based SVPWM technique for two Level VSI Controlled Induction Drives, Funded by Vi Microsystems , Pvt., Ltd., Chennai.
5. Vienna Rectifier And Fly Back Converter for Induction Motor, Funded by Foreview Technologies, Pvt.Ltd., Chennai.
6. Closed Loop Control of New three Input DC-DC Boost Converter for Hybrid Battery Power System, Funded by Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.

## DEPARTMENT PROFILE

1. The department of Electrical and Electronics Engineering was established in the year 2002.
2. The department shares the mission and vision of the institution, in imparting high quality education to the students.
3. The department has highly qualified, committed and research oriented faculty members and supported by trained technical non-teaching staff.
4. The department has very close interaction with many leading industries in the country and research laboratories.
5. The department enjoys the privilege of having spacious and well-equipped laboratories that provide students, the industrial environment much needed for real life training.
6. The department offers various seminars, workshops, symposia and entrepreneurship development programmes for the students to help them keep pace with the rapid changes in the field of Electrical Engineering and Technology.

### Editors:

KALYANI.K  
Anandhi.A

## STUDENTS ACHIEVEMENT

1. 22 students are having 100% attendance in this academic year.
2. 29 Students have presented papers and secured prizes in various National Level Symposium and Conferences
3. Kalaiselvi.K, Final Year EEE won First Prize in Long jump and Second Prize in 100mts Running
4. Sabeel Rahman.K of third year EEE won Third Prize in Football.
5. Arranged three industrial visits for this academic year.

### Quotes

*Man needs his difficulties because they are necessary to enjoy success.* — A. P. J. Abdul Kalam

### WORKSHOP ON FIRE AND SAFETY

The department of EEE organized one day program on Fire and Safety on 05h August 2015. Prof.K.Jayapal, State Level Trainer Vishwam Institute of Fire and Safety.



### DASELSY 6G

Our department organized one day national level symposium DASELSY6G on 15.10.15. Our symposium function started at 9.30am sharply. Student president Mr.Midhun mohan of final EEE welcomed the gathering. Our beloved Principal Dr.T.Elango delivered the Presidential Address and honoured the chief guest. Prof. V.Sekar, Principal/ DSIT, delivered the felicitation address. Our chief guest Lt.Dr.K.Vijayareka presented a valuable speech for the betterment of students carrier. Our inaugural function was ended and the next session of paper presentation event started at 10.30am. Students from various colleges presented their papers in innovative topics in different areas like HVDC, energy efficient drives etc., .After the lunch the interesting events like circuit debugging, adzap, and technical quiz were conducted. Students participated in these events with full involvement and made those events interesting. The valedictory function started at 3.30pm and the participants from various colleges gave their oral feedback regarding the function. Dr.T.Elango Principal, DSEC issued the prize and certificates to the winners of variuos events. Student vice president Mr.Manivel of third year presented the vote of thanks.





### ASSOCIATION INAUGURATION

The department student Association FIESTA was Inaugurated on 15th July 2015. The head of the department Dr.K.Anbarasan, introduced all the office bearers of the Association. Dr.K.Anbarasan introduced the chief guest. The Chief Guest Dr.N.Sivakumaran, Prof/ICE,NITT, presented a brief lecture on Power losses in transmission line. Mr.S.Selvakumaran AP/EEE presented the vote of thanks.



### WORKSHOP ON HANDS ON TRAINING IN MATLAB

Hands on Training in MATLAB on has been successfully conducted by our EEE department. The scope of this course is to widen all major aspects of MATLAB techniques using emerging trends in electrical engineering applications.

