

Contents

- 01: From Chairman's Desk
- 02: From Principal's Desk
- 03: Vision and Mission of the Department
- 04: From Hod's Desk
- 05: Academic Activities
- 06: Faculty Enrichment Programme
- 07: Achievement
- 08: Events Conducted

From Chairman's Desk

Thiru. A. Srinivasan Founder - Chairman of Dhanalakshmi Srinivasan Engineering College is well known for his philanthropic attitude. He envisioned a technological revolution and committed himself to establish an institution, to foster technical and higher education. He is a rare breed of educationalist, for whom quality is the way of life.

A compassionate and modest person to associate with, he is quite undeterred in his conviction in executing to perfection anything that is for common good.

The lush green environment, the expansive buildings, the well-equipped laboratories and the unparalleled discipline of the students stand out as shining examples of his own unique style of management.



Thanks to the full time participation of the Management and the guidance provided by learned professors, the college has achieved great heights. The Management believes that the nation needs not just

engineers and professionals, but virtuous men and women who can be engineers and professionals. Integrity of character and discipline are imparted to students to become good citizens capable of utilizing their talents for the development of our Nation. I wish the team who worked for VOLTS Reader'17-18. The Department has continued to work in Progressive during July-2017 to December 2017. I wish you all success...

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'17-18. 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.

Vision and Mission of the Department

VISION:

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

MISSION:

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 allow 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.

PEO1: Graduates will possess expertise in problem analysis solving, designing, skills and necessary information for a successful career in the field of Electrical and Electronics Engineering.

PEO2: Graduates will accomplish practical acquaintance in modern designing tools, technologies and Engineering software in Electrical and Electronics Engineering.

PEO3: Graduates will be outstanding in communication, teamwork and multidisciplinary approach related to engineering issues in social context.

PEO4: Graduates will excel in competitive environment towards leadership and life-long

learning which is needed for a successful professional career.

From HOD's Desk



Dr.K.Anbarasan Ph.D.,

**HEAD OF THE
DEPARTMENT
DEPARTMENT OF
ELECTRICAL AND
ELECTRONICS ENGINEERING**

It gives me immense pride and pleasure to conduct **10th National Conference** by our Electrical and Electronics Engineering Department. The main objective of the conference is to promote and disseminate knowledge on the various topics and technologies related with Electrical Department. The Symposium aims to serve students, researchers, engineers to help them keep abreast of new developments in the field of Electrical Department. The Symposium program represents the efforts of many people. I want to express our gratitude to the members of the symposium Committee Finally, the symposium would not be possible without the excellent papers contributed by authors. I thank all the authors for their contributions and their participation in **Energy Management and Renewable Energy Systems 2K17!**

I hope that this symposium will further stimulate research in Electrical systems and provide practitioners with better techniques and tools for deployment. I feel honored and privileged to serve the best recent developments in the field of Electrical to you through this national level technical symposium.

Academic Activities

Prof.C.Madivanan, DRDO/CVRDE, Chennai



Professor C. Madivanan has come for our department inaugural function and gave some interesting lectures about his company and we learn many things about her company. It is very much useful for us.

Prof.Shobanadevi, University College of Engineering,Ariyalur



Prof. Shobanadevi has visited our college on 23/8/2017 and gave a guest lecture on Electrical Machines. She gave a brief lecture about the

importance of electrical machines. She also creates awareness about core industries.



Prof.Devapriya Jayaran College of Engineering and Technology,Trichy

Prof.Devapriya has visited our college on 19/07/2017 and gave a guest lecture on Electronic Devices and Circuits. She gave an interest lecture about the characteristics and operation of various power semiconductor devices like Transistors, thyristors..etc. she also gave real time applications of such devices.

Faculty Enrichment Programme



The Faculty Enrichment Programme has been organized successfully by the department of Electrical & Electronics Engineering. The evaluation of each presentation has been done by senior faculty of our

department and from interdisciplinary department. The evaluation is based on communication skills, content of the topics, posture and gesture towards audience. List of topics of staff handling FEP Program are given below.

- Hybrid Energy for Bidirectional CLLC Resonant Converter with PWAM Control
- A Smart Hybrid Starter for Reducing Power Loss and Increasing Efficiency in Induction Motor
- High Gain Step up Converter Using Multilevel Inverter for HVDC Applications
- An Implementation of Battery Charging Methods for Electric Vehicle Application
- Harmonic Suppression for Critical Loads Using Electric Spring with Current Source Inverter
- ANFIS Based Energy Management System Design for Residential Grid Connected Microgrid
- Building Automation System to improve Energy Efficiency by using Fuzzy Neutral Network for HVAC System
- Equipment Identification using Active RFID and WIFI IC for Internet of Things
- A Real Time Health Monitoring Using LI-FI Technology

Achievements

Students are actively participated in conferences, workshop, seminar., etc in inside as well as outside colleges and company.

EVENTS	NO OF STUDENTS
Workshop	7
symposium	8
seminar	6

Events Conducted



In our college during 2017-18 odd semesters they conducted various events for the students to participate like **Fire and safety, Independence Day Celebration, Tree Plantation, Cleaning Campaign, and Energy Club** activities to learn outside situation and to develop their skills in their social activities.



By

R.Aarathi

A.Mohammed siddiq