



Department of Electrical and Electronics Engineering

Priyadarshini Engineering College, Vaniyambadi-635751.

Mysterious Transients

S U R P L U S E L E C T R I C I T Y



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DESIGN TEAM

ARCHANA(FINAL YEAR)

SAKTHIVEL (THIRD YEAR)

P.MARI (SECOND YEAR)

ABOUT THE INSTITUTE

Priyadarshini Engineering College, the flagship of Jai Barath Charitable Trust, was established in 1995 at Vaniyambadi in Vellore District of Tamil Nadu. The college has been approved by All India Council for Technical Education, New Delhi & affiliated to Ana University, Chennai. Priyadarshini Engineering College situated in the rural area of Vaniyambadi, Vellore District is committed to the vision of developing itself into a multi-campus, Inter-disciplinary Institution of Excellence through symbiotic efforts and innovative practices of management and faculty to provide the student with an ambient academic environment, ideal for the pursuit of knowledge and development carrier.

VISION OF THE INSTITUTE

- *To inculcate in the young rural minds the aptitude to compete with the quality technocrats.*

MISSION OF THE INSTITUTE

- *To instill technical skills to compete in the sustainable world*
- *To impart holistic value based technical education*
- *To intensify research and development (r & d) activities in technological development*
- *To imbibe core values of love for motherland performance of duty, compassion, tolerance, honesty and integrity.*

MOTTO

Perseverance, Endurance, Commitment

“கற்றலும், கற்றவை கேட்டலும், கேட்டதன்கண் நின்றலும்”

HOD MESSAGE



I am extremely happy to be associated with the students who have opted the core and oldest branch of engineering that is electrical engineering with the application of electronics for controlling electrical devices ,the course has been renamed as electrical and electronics engineering.

The department believes in the multidimensional growth of all students. Keeping the above idea in mind the department encourages students to participate in extra and co-curricular activities, sports, cultural fest and paper presentation on technical subject's seminars etc... Industrial visits regular internships which assist the student in smooth transition from academic life to work life is regular feature of our department.

I wish the students make best use of the ambience and work towards achieving excellence in the chosen field.

VISION OF THE DEPARTMENT:

To produce eminent electrical engineer from the rural background.

MISSION OF THE DEPARTMENT:

Infuse moral ethics and good virtues to the students.

Providing good technical knowledge for innovative research and development

Making them excellent in extracurricular activities.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

PEO 1: Core Competence

Graduates excel in analyzing, designing, simulating and testing of all electrical and electronics systems.

PEO2: Societal Requirements

Graduates are successful in giving solutions for real time problems to cater to the industrial and societal requirements.

PEO 3:Lifelong Learning

Graduates can adapt to lifelong learning to enhance their technical skills.

PEO 4: Leadership Qualities

Graduates exhibit their leadership qualities in a multidisciplinary field.

PROGRAMME OUTCOMES (POS)

PO1: Engineering Knowledge:

Understand and apply basic concepts of Mathematics, Physics, Chemistry and Engineering.

PO2: Problem Analysis:

Understand and analyze circuit theory, electromagnetic theory, control theory and apply them to electrical engineering applications.

PO3: Design & Development of Solutions:

Analyze and design the electrical and electronics components and to apply in solid state drives and power systems.

PO4: Investigation of Complex problems:

Conduct investigation in complex problems of power system operation, stability, control and protection.

PO5: Modern Tool Usage:

Use contemporary computing tools and techniques in Electrical Engineering applications.

PO6: Engineer and Society:

Handle engineering aspects of electrical energy, utilization and the impact of engineering solutions to the societal needs.

PO7: Environment & Sustainability:

Acquire knowledge of contemporary issues to sustain the ever changing environment.

PO8: Ethics:

Apply the ethical principles to their profession and social issues.

PO9: Individual & Team Work:

Perform individually and in a group to accomplish a common goal.

PO10: Communication:

Effectively communicate and present technological developments.

PO11: Lifelong Learning:

Gain self- confidence to engage in lifelong learning.

PO12: Project Management & Finance:

Plan and manage a project in a cost effective manner.

ABOUT THE DEPARTMENT.

The department of Electrical and electronics engineering was established in the year 1997 with the obvious vision to contribute its bit in the effort of providing quality engineers in the service of mankind.

Electrical and Electronic Engineering is an exciting and dynamic field. Electrical engineers are responsible for the generation, transfer and conversion of electrical power, while electronic engineers are concerned with the transfer of information using radio waves, the design of electronic circuits, the design of computer systems and the development of control systems such as aircraft autopilots. These sought-after engineers can look forward to a rewarding and respected career.

Career

Electrical engineers are needed in all manufacturing units, All major companies of public and private sector such as Electricity Boards, Large Scale Industries, Manufacturing Plants, Power corporations, Hydro-Electricity sector are continuously in need of Electrical Engineers for their prospects in Design Industries ,Production plants, Natural gas plants, Petroleum as well as in steel and chemical plants. Many premier educational and research Institutions regularly intake Electrical Engineers as Graduate Engineer Trainees to work on research projects. Electrical Engineers can also get a job in Major players in Public sector such as Indian Railways, Armed forces (technical branch) and also in Thermal and Nuclear power Corporation Limited.

- *Electrical Machines Lab*
- *Electric circuits lab*
- *Electronic Circuits and Devices Lab*
- *Control System Lab*
- *Power Electronics Lab*
- *Integrated Circuits Lab*
- *Microprocessor Lab*
- *Digital Signal Processing Lab*
- *Measurement & Instrumentation Lab*

The Department has well-equipped laboratories for Digital Simulation, Power Electronics, Electrical Machines, Control and Instrumentation, Circuit Devices and Measurements and an Electrical Workshop to cater to the needs of the age.

The Power Electronics laboratory is equipped with state-of-the-art drives based on direct torque control for both AC and DC motors and interfaced with computers supported by requisite hardware and software.

Department Library

The Department library has a large collection of books which includes all the text books prescribed in the syllabus, reference books, e-books and lab manuals.



INVITED TALK PROGRAMME - 2013

*The EEE Department organized a great knowledge sharing session as they invited Mr. **D.B.Devarajan, Assistant Engineer, TANGEDCO** on **5th August, 2013**. The students of Third year & Second year were the target audience for this lecture.*



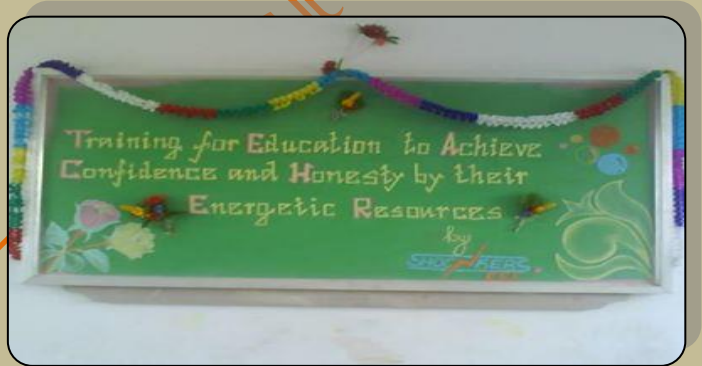
STUDENT ACTIVITIES

Our Department 2nd year Student Ms.P.K.NageenaSuman has attended an In-plant training from 4th to 8th July 2013 at KaashivInfotech, chennai.

Our department 3rd year students underwent an inplant training at TNEB



Our Students have celebrated Teacher's Day on 5th September 2013



Our third year student have celebrated Saraswathipooja on 11th& 12th October 2013



PLACEMENT ACTIVITIES

15 Final year students are eagerly attending GATE coaching classes for appearing GATE'14

Ms.C.Lavanya of Final Year EEE Placed in CTS at VIT consortium



Graduation Day

Our Department 2008-2012 batch young graduates got their degree in 14th graduation day on 06th November 2013 with a guests Priyadarshini Engineering College Alumni of Dr.G.Sivalingam M.E., Ph.D., Assistant Vice-President, Reliance Technology Group and Mr. Justice V. Rangasamy, Former justice of Madras High court and Administrator of Priyadarshini Engineering College.