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## ABOUT THE DEPARTMENT

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The Department of Electrical and Electronics Engineering was established in 1994. It offers a four-year B.E. (Electrical and Electronics Engineering) Programme and a Ph.D. Programme to promote research activities in Electrical Engineering.

- Accredited by the National Board of Accreditation, New Delhi.
- Faculty: 9 Doctorates + 9 Postgraduates pursuing Ph.D.
- Expertise: E-Mobility, Power Systems, Power Electronics & Drives, Control Systems, Renewable Energy, Smart Grids.
- Research Centers: 3 Centres of Excellence in E-Mobility, Renewable Energy Systems, Power System Protection & Switch Gear.
- Active in consultancy projects, research collaborations, workshops, guest lectures, and conferences.

The department provides state-of-the-art laboratory facilities, organizes events under EEETA (Electrical and Electronics Engineers Technical Association), and promotes innovation and lifelong learning.

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## HEAD OF THE DEPARTMENT

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Dr. S. Allirani, B.E., M.E., Ph.D

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## VISION

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To achieve global recognition as a Centre of Excellence for Engineering Education, producing graduates who contribute to the technological, economic, and social enrichment of the nation and the world.

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## MISSION

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1. Provide quality undergraduate education using an outcome-based education model.
2. Promote ethical and social values in engineering practice.
3. Prepare graduates for professional practice or higher studies at regional, national, and international levels.
4. Enable graduates to work in multidisciplinary teams and engage in lifelong learning.

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## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

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PEO I: Lead successful careers in industry or higher studies in Electrical Engineering & allied specializations.

PEO II: Commit to working effectively in multidisciplinary teams with lifelong learning.

PEO III: Practice engineering with integrity, ethics, leadership, and civic responsibility for societal well-being.

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## PROGRAM OUTCOMES (POs)

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PO1: Apply knowledge of mathematics, science, and engineering fundamentals.

PO2: Identify and analyze complex engineering problems.

PO3: Design and develop system components and processes.

PO4: Conduct research-based investigations.

PO5: Use modern engineering tools effectively.

PO6: Assess societal, health, safety, legal, and cultural issues.  
PO7: Understand sustainability in engineering practices.  
PO8: Apply professional ethics and responsibilities.  
PO9: Work effectively as individuals and team leaders.  
PO10: Communicate effectively in engineering activities.  
PO11: Apply management and financial principles to projects.  
PO12: Engage in lifelong learning for technological adaptation.

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#### PROGRAM SPECIFIC OUTCOMES (PSOs)

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PSO1: Understand principles and construction of electrical machines and analyze their performance.  
PSO2: Design Power Electronic Systems for Drives, Power Quality, and Renewable Energy Systems.  
PSO3: Architect and analyze power systems for efficient generation, transmission, and distribution.  
PSO4: Design and test analog, digital, and embedded signal processing systems with modern tools.

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#### LABORATORIES

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- Engineering Practices Laboratory
- Electric Circuits and Devices Laboratory
- Electron Devices Laboratory
- Electrical Machines Laboratory
- Measurements and Instrumentation Laboratory
- Electronic Circuits and Systems Laboratory
- Data Structures and Algorithms Laboratory
- Control Systems Laboratory
- Microcontrollers & Embedded Laboratory
- Power Electronics and Drives Laboratory
- Power System Simulation Laboratory
- Modeling and Simulation (Research) Laboratory
- Simulation Laboratory
- Computer Aided Engineering Graphics Laboratory
- Digital Electronics Laboratory
- Induction and Synchronous Machines Laboratory
- Programming Foundations Laboratory
- Computer Aided Drafting Laboratory
- Sensors and Instrumentation Laboratory
- Programming in Python Laboratory
- Digital System Design Laboratory
- Model Based System Design Laboratory
- DC Machines and Transformers Laboratory

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#### FACULTY & STAFF

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HEAD OF THE DEPARTMENT

- Dr. S. Allirani

PROFESSORS

- Dr. R. Shanmugasundaram
- Dr. A. Soundarajan

ASSOCIATE PROFESSORS

- Dr. K. Sebasthirani

- Dr. K. Balamurugan

#### ASSISTANT PROFESSORS (SELECTION GRADE)

- Dr. M. Chindamani
- Mr. V. Gopu
- Mr. R. Mohan Kumar
- Dr. P. Sebastian Vindro Jude
- Dr. M. Ezhilarasi
- Dr. R. Krishnakumar
- Mr. C. Praveenkumar
- Mrs. R.K. Ragavapriya
- Mrs. N. Divya
- Mr. B. Sridhar

#### ASSISTANT PROFESSORS (SENIOR GRADE)

- Mrs. R.R. Rubia Gandhi
- Dr. H. Vidhya
- Mr. R. Santhoshkumar
- Mr. B. Marisekar

#### TECHNICAL & SUPPORTING STAFF

- Mr. A.B. Arputhaselvam
- Mr. P. Kumar
- Mr. A. Mohan Dass
- Mr. B. Sanjeev Prasanna
- Mrs. S. Kousalya
- Mr. T. Esakki Ramkumar

#### NON-TEACHING STAFF

- Mr. K. Senthilkumar
- Mrs. G. Sathiyamani