

INFORMATION BROCHURE

Department of Electrical and Electronics Engineering
Krishna Institute of Engineering and Technology
Ghaziabad, Uttar Pradesh, India 201206



Vision

To achieve excellence in imparting education in the field of Electrical and Electronics Engineering by creating competent professionals for Industry & Socio-economic development to meet National and International needs

Programmes offered

Undergraduate

B.Tech. in Electrical and Electronics Engineering
Annual Intake : 180
Admission through UPSEE and AIEEE

Postgraduate

M.Tech. in Power Electronics and Drives
Annual Intake : 18
Admission through: GATE

Mission

To provide students with supportive environment that facilitates learning to solve the problems in the field of Electrical and Electronics Engineering and to prepare them to be successful and ethical human beings as well as professionals as they move to industry, academia and other professions



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The Department of Electrical and Electronics Engineering was established in KIET, Ghaziabad in the year 1998 to impart quality education to the budding Engineers interested in this field. As 21st century is the century of competition, our motto is to produce technically sound, well cultured and globally competent Graduates. The department is currently offering B.Tech. course in Electrical and Electronics Engineering and Masters Program in Power Electronics and Drives. The strength of the department is its highly qualified and experienced faculty and staff members with state-of-the-art laboratories. The Department is also a centre for IEEE CIS Technical chapter and EESA society to nurture the talent and skills of the students.

The Department has installed an advance computational Technique laboratory which is first of its kind in the western UP. Other laboratories like Basic Electrical Engineering Lab, Power Electronics & Drives Lab and Machines Labs have also been modernized with new table top equipments. This gives a scope to the students to handle and perform the experiments individually, which enhances their confidence to face the practical problems in the field of engineering.

We continuously strive to meet the mission of molding today's youth into world-class technocrats of tomorrow, who would endeavor to improve the quality of life of human kind. I am confident that these technocrats would be an asset to the organizations employing them.

In a nutshell, the department is well equipped to cater to the educational needs of the students for their career enhancement in both technical as well as social circles.

At the end, I on behalf of entire EN department wish you a very happy, prosperous and well contended life.

Dr. Neeraj Kumar Gupta

Sponsored Research Projects

- An approach based on principal component analysis and adaptive neuro-fuzzy inference system to diagnosis sponsored by IEEE- All India Young Engineers' Humanitarian Challenge.
- Facilitation of Medical Expertise in Cancer funded by IEEE Foundation, USA
- To facilitate Medical Expertise in remote rural areas using the Intelligent Technique like virtual medical funded by AICTE.
- Design & Fabrication of 200 W flexible photo voltaic energy conversion system supported by IE
- Development of rotor resistance controlled speed controller for induction motor supported by Premier Trading Corporation, Meerut

International Conference

“Innovative Applications of Computational Intelligence on Power, Energy and Controls with their impact on Humanity (CIPECH-14)” on 28- 29 November 2014



The conference was technically sponsored by IEEE UP Section. Dr. B.B. Meunier, Director-Research Emeritus of National Centre for Scientific Research, Paris, France and Dr. N.R. Pal, Indian Statistical Institute (ISI) were invited as Chief Guest and Guest of Honor respectively. 100+ eminent Academicians, from various Technical Institutes of repute, presented their papers in this conference that was spread over 9 session tracks.

Placement Opportunities

Dream job opportunities in government as well as private sector are available for our graduates. Training and Placement Department of the Institute invites the recruiters working in core area as well as in software and manage the recruitment in different popular profession range like maintenance, consultancy, research and development and design etc. Lohia Starlinger, HUL Ltd, Daurala Sugars, Torrent Power, Mohen Energy Corporation, Tech Mahindra, TCS, IBM, HCL Technologies, IBS Software and HCL Technologies



Training Programme

- Application of MATLAB in Signal Processing & wireless Communication
- Impact of software and hardware growth on Medical Electronics Industry
- Latest Trends in the area of computational Intelligence as dealt by IEEE Computational Intelligence
- Scope of Research Projects / Work in the area of Computational Intelligence
- Circuit Designing and Hardware Implementation
- Application of MATLAB /SIMULINK in design and fabrication project
- MATLAB/SIMULINK to Design And Analysis of Electrical Circuit
- Design and fabrication of UPS
- Embedded System and Power Applications



Our Alumni

Our alumni have brought laurels to the department by retaining top positions in the national as well as international organizations such as Indian Air Force, BSF, ISRO, IES, electricity boards, TCS, Accenture, Satyam, Torrent Power, Land Craft, Cummins and many more.



About Department

The Department of Electrical and Electronics Engineering strives to be a Centre of Excellence in education, training and research, producing high quality engineers and researchers. In this endeavor, the Department will continually enhance knowledge and quality of faculty and staff members, upgrade and create new laboratory facilities, acquire new equipments to keep abreast with emerging technologies and committed for rendering the best service to the society

The Department of Electrical and Electronics Engineering was established right from the inception of the institute i.e., in 1998 with the under-graduate programme. The post-graduate programme in power electronics and drives was started in the year 2007. The department has always exerted the best of its effort to meet the objectives of achieving technical excellence in various areas of Electrical and Electronics Engineering such as Power Systems, Power Electronics and Drive Systems, Energy Systems, Instrumentation, Control, Industrial Automation, Analog and Digital Electronics, Signal Processing, Microprocessor and Microcontrollers. The department has well-equipped state-of-the-art laboratories to complement the theoretical coursework. The faculty members of the department have been involved in various research projects in cutting-edge technologies which is reflected by a large number of publications in many international journals and conferences. The department also provides consultancy to industry and organizations working in different domain of Electrical and Electronics Engineering. Students from the department are placed in different PSUs, Defense services, Multinational Core/IT companies. A large number of students have opted to pursue higher studies and obtained admissions in reputed institutions in India and abroad.

Programme Educational Objectives

- To educate students in mathematical, scientific, electrical and electronics engineering concepts necessary to formulate, analyze and solve engineering problems faced by society.
- To prepare students to communicate effectively, work harmoniously in teams with professional ethics and learn to adopt an integrated approach to problems in the field of electrical and electronics engineering by using latest and advanced technology tools.
- To prepare students to have broad understanding of the engineering and management principles and apply the acquired knowledge in solving complex and multidisciplinary engineering problems.
- To equip students with the knowledge to design and develop engineering solutions to the problems faced by society for its sustainable development with the help of environment friendly technologies.
- To inculcate the ability among the students to explore and learn by themselves, the changes taking place continuously in the field of engineering and technology as part of lifelong learning process.

Academic and Research Programmes

A lot of Research and development work is going on in the department. The niche areas of research and development in the department are Soft Computing Techniques, Wind Energy Conversion System, Solar PV based Energy conversion System, Distributed Generation and Micro grids.

Students of the department are also involved in research work through various platforms provided by the department like hobby club and Famgrid society. They are working in the field of e-health monitoring, Virtual doctor, Virtual computer lab, smart metering and mini Hydro power plant.

In order to promote knowledge driven enterprises and generation of value added employment using cutting edge technologies, enterprise & entrepreneurship development and technology commercialization, Technology Business Incubator

(TBI) was promoted & established jointly by National Science & Technology Entrepreneurship Development Board (NSTEDB), Ministry of Science & Technology, Government of India and KIET Group of Institutions.

Faculty Details

Name (Designation)	Area of Specialization
Dr. Neeraj Kumar Gupta (Professor & Head)	Computational Intelligence
Prof. Ravi Gupta (Associate Professor & Addl. Head)	Power Electronics & Drives
Prof. Jyoti Srivastava (Associate Professor)	Electrical Network, VLSI Design
Prof. Ashish D Thombre (Associate Professor)	Industrial Electronics and Control, Power Systems
Dr. Yatender Kumar Chaturvedi (Associate Professor)	Self-Excited Induction Generator, Power Systems
Prof. Arvind Kumar Sharma (Associate Professor)	Power System, Electrical Machines
Prof. Masood Rizvi (Associate Professor)	Electrical Machines
Prof. Ruchika Singh (Associate Professor)	Image Processing
Prof. Yaduvir Singh (Associate Professor)	Renewable Energy & Electrical Machines
Prof. Surendra Kumar Tripathi (Associate Professor)	Power Electronics & Drives
Prof. Rajiv Kumar Mehta (Associate Professor)	Traction Distribution
Prof. Rahat Ullah Khan (Assistant Professor)	Renewable Energy & Electrical Machines
Prof. D. Blandina Miracle (Assistant Professor)	Embedded System, Renewable Energy
Prof. Pradeep Katariya (Assistant Professor)	Power System & Renewable Energy
Prof. Md. Shariz Ansari (Assistant Professor)	Power system & Drives & Renewable Energy
Prof. Navneet Kumar (Assistant Professor)	Power Electronics & Drive
Prof. Brajesh Kumar Tiwari (Assistant Professor)	Electronic Circuits & Analog & Digital Communication
Prof. Ameer Faisal (Assistant Professor)	Power System, Instrumentation & Sensor
Prof. Abhas Kanungo (Assistant Professor)	Control Systems
Prof. Swati (Assistant Professor)	Antenna Design
Prof. Md. Faisal Jalil (Assistant Professor)	Renewable Energy & Electrical Machines
Prof. Arun Kumar (Assistant Professor)	VLSI Design, Micro Electronics Devices & Circuits
Prof. Anmol Gupta (Assistant Professor)	Power System & FACTS Controller
Prof. Swati Singla (Assistant Professor)	Power System & Generation
Prof. Suneel Kumar (Assistant Professor)	Power System & Drives
Prof. Ankit Singhal (Assistant Professor)	Power Electronics
Prof. Nitish Verma (Assistant Professor)	Power Electronics & Drive
Prof. Sheetal Singh (Assistant Professor)	Control System
Prof. Alok Kumar Pandey (Assistant Professor)	Control System
Prof. Priyank Bhardwaj (Assistant Professor)	Analysis of Antenna (Comm. Engineering)



Electrical Machine



Network Lab



Power Electronics Lab



Electrical Engineering Lab

- Laboratories**
- Electronics Lab
 - Electrical Machine Lab
 - Networks Lab
 - Measurement and Instrumentation Lab
 - Power Electronics Lab
 - Electrical Engineering Lab
 - Electric Drives Lab
 - Computer Aided Design Lab
 - Numerical Technique Lab
 - Control System Lab
 - Analog IC Lab
 - Power System Lab



Power System Lab



Electric Drives Lab



Departmental Library



Measurement and Instrumentation Lab



Computer Aided Design Lab



- IEEE International Conference CIPECH 14
- MoU with Infotech Enterprises Limited, Bangalore
- MoU with Premier Trading Corporation, Meerut.
- MoU with Clear2Pay, Noida.
- MoU with IEEE- Computational Intelligence Society (IEEE-CIS), Delhi Chapter.
- MoU with Research Lab, Grater Noida.
- Grant from IEEE Foundation USA
- Grant from IEEE All India Young Engineers Humanitarian Challenge-2012
- Grant from AICTE -2013
- Grant from Institution of Engineers
- EN Hobby Club
- Electrical Workshop