



About the Institute:

The Institute is located on NH 58 about 30 Kms from Delhi on Delhi - Meerut highway. Its 18.5 acres of area house our eight academic Departments that cater to the needs of the students. Well laid out labs like CAD / CAM Lab, Network Lab, Electrical Lab, Computer Lab, Communication Lab, etc. provide the faculty, staff and students, a chance to engage in educational programs dealing with many inter - disciplinary applications. The Institute offers under graduate degree courses in eight disciplines i.e., Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Information Technology, Mechanical Engineering, Civil Engg and Electronics & Instrumentation, B.Pharma. Besides these, M.Tech (in EN, ECE, CS& ME) MCA, MBA, PGDM and M. Pharma, courses are also offered to the students.

About the Course:

Department of Electrical & Electronics Engg. Is offering excellent, industry oriented program at KIET. This is a very practical, result-oriented course, which will provide

knowledge and skills, which can be applied immediately and efficiently for any of practical project work. The course is for both students and professionals who want to explore themselves on Real Time Projects. We are mainly focused on courses in various domains that are as per the needs & requirements of students/professionals.

The main objective of this course is to acquaint the participants with the emerging techniques in power system and its Engineering Analysis with the help of Dig SILENT and MATLAB applications in engineering problems.

Dig SILENT has set standards and trends in power system modeling, analysis and simulation for more than 25 years. The proven advantages of the Power Factory software are its overall functional integration, its applicability to the modeling of generation, transmission, distribution and industrial grids.

MATLAB is one of the most widely used high-level computing languages; it provides users a friendly and interactive environment for algorithm development, data visualization, data analysis, and numeric computation. With its extensive libraries of mathematical and graphical routines, MATLAB is widely used in areas such as signal and image processing, power system, communications, control design, test and measurement.

Course Contents:

- Brief Introduction of Dig SILENT.
- The modeling of generation, transmission, distribution and industrial grids.
- The analysis of grids' interactions.

- High-end applications in new technologies such as wind power and distributed generation.
- Brief Introduction of MATLAB.
- MATLAB SIMULINK.
- Use of MATLAB in Power System.
- Use of MATLAB in Power electronics and Drives.
- Use of MATLAB in Control Engineering.
- Use of MATLAB in Communication Engineering.

Duration:

6 Hours a Day (10.00 A.M to 4.00 P.M), 5 working Days

Venue:

Computer Aided Design Lab (CAD Lab), EN Department

WHO SHOULD ATTEND?

Students, Research scholars, faculties, & industry professionals

Registration Fees:

Faculties, & industry professionals	Rs. 1000
Students & Research scholars	Rs. 500
IEEE Members	Rs. 500

Payment will be submitted by Cash or DD in favour of **Krishna Institute of Engineering and Technology**, payable at **Ghaziabad**.

General Points:

- Only 30 participants will be taken in a batch.
- Certificates will be given after the successful completion of program.
- This will help in developing project and thesis for scholars.
- Motivate to participants for sending the project proposal to IEEE foundation, USA and other relevant society.
- Motivate to participants for sending the research works to international conferences and Journal for Publication.

Venue

**CAD Lab
of
Department of Electrical & Electronics
Engineering**

Short term Course Coordinators:

- ❖ **Prof. Anmol Gupta**
anmol.gupta@kiet.edu
9359104079
- ❖ **Prof. Ankit Singhal**
ankit.singhal@kiet.edu
9720118070

Short Term Course

On

**Power System Modeling & Analysis using
Dig- SILENT Power Factory
&
MATLAB and Its Engineering Applications**
(Technically Sponsored by IEEE KIET Student Chapter)

04th January to 08th January 2016

Registration Form

Name:.....

Institute Name:.....

Department:.....

Mailing Address:.....

.....
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Phone:.....

E-Mail:.....

Payment Details(cash/DD):.....

(Participant’s Signature)

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Organized by

**Dr. Neeraj Kumar Gupta
Head**

**Department of Electrical & Electronics
Engineering**

at

**Krishna Institute of Engineering and
Technology**

**(An ISO-9001 Certified & NAAC Accredited
Institute)**

**13th Km Stote, Ghaziabad – Meerut Highway (NH-58)
Ghaziabad –201206 Uttar Pradesh, India**