

OBJECTIVE

Industrial, Commercial and Institutional electric power systems need a good design. Design of proper electric power industrial distribution system that is vital for safety, maintenance, troubleshooting and the efficient operation of a modern industrial plant. A robust and well designed power distribution system includes high voltage utility circuit breakers, main transformers, medium voltage switchgear, distribution transformers, motor control centers, electric motors, variable speed drives, etc. Our in-depth course is designed to demonstrate all aspects of proper industrial power system design, including system planning, equipment selection, specification and application, system grounding, protection and conformity with electrical code requirements, etc. Typical one-line and relaying diagrams will be discussed for various applications.

This course is designed for students & engineers to refresh, review and reinforce their knowledge of power system design, operation and troubleshooting. During the course, participants can able to advance their knowledge and skills in system planning, equipment selection, specification and application. They could Learn and understand important aspects of power distribution system design steps. Improve their knowledge of how to operate your industrial power system efficiently, securely and safely. The course will provide a systematic approach to design of a new Electrical Power System or retrofit an obsolete system, encompassing distribution, transformers, MCC, panel boards, lighting loads and manufacturing plant electrical system.

COURSE CONTENTS

- Introduction to Electrical System Design
- General Specifications of Major Equipments and Components for Industries
- Starting Documents and Design of Typical Power Distribution for Industries
 - ✓ Textile Mills
 - ✓ Steel Rolling Mills`
- Estimation of Electric Equipments for Industries
- Bus Baring and Cabling for the Industry
- Distribution Panel and PCC(Power Control Centre)
- Typical Control Circuits used in MCC(motor control center)
- Testing and Maintenance

- Protection and Safety Aspects
- Electric Equipments Layout for Hot Rolling Mills

TARGET AUDIENCE

UG and PG Students, Academic Faculty, Electrical Engineers, technicians and technologists in the industrial, commercial, and institutions, consulting electrical engineers, and electric utilities who involved in power system design. This course is also appropriate for power system operation and maintenance personnel who require knowledge of electrical system design techniques.

FACULTY

Sessions will be handled by faculty members of Kongu Engineering College and Experts from industries.

BOARDING AND LODGING

Accommodation and boarding if required will be provided in the college campus on chargeable basis of **(Rs. 200/- per day)**.

REGISTRATION FEE DETAILS

Details	Amount
Registration Fee* (Including 14.5 % Service Tax)	Rs.859/- (For UG,PG Students and Research Scholars)
	Rs.1145/- (For Industrial and Academic Faculty, Others)

*The registration fee includes course kit, lunch and refreshment. Demand Draft for the registration fee must be drawn in favour of **“IIP Cell Grant in aid A/C”** payable at **Perundurai**.

HOW TO APPLY

The applicants should send the filled application and DD to us on or before **20.2.2016**.

IMPORTANT DATES

Last Date for receipt of Applications	:	20.2.2016
Intimation of Participants	:	22.2.2016
Confirmation of Participants	:	23.2.2016

KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI, ERODE 638052 TAMILNADU

Two day National level Seminar
On
Electrical System Design, Estimation and
Maintenance for Industries
(25.02.2016 & 26.02.2016)

APPLICATION FORM

Name :
Designation :
Organization :
Gender :
Age :
Educational Qualification:
Address for :
Communication
Mobile Number :
E-mail ID :
Experience :
Teaching : _____years
Others (Specify) : _____years
Need Accommodation : YES / NO
Signature :

DD Details

DD.No. :
Amount :
Date :
Bank Name :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

Application form completed in all respects is to be sent to:

Dr.N.Senthilnathan

Professor&HOD

Department of EEE

Kongu Engineering College

Perundurai, Erode-638 052, TamilNadu.

E-mail: dsarathkumareee@gmail.com
karthikkumar.eee@gmail.com

Mobile: 9688427208
9443433330

ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in the year 1984, approved by AICTE New Delhi and affiliated to Anna University, Chennai has completed 32 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 20 PG and 16 Research programme in Engineering and Applied Science. The college is one among the best self-financing engineering colleges imparting high quality of technical education in Tamil Nadu. In Careers 360 Magazine (April 2015) ranked KEC at 50th position among top 100 Best Engineering Research Institutes in India and AAA+ position among top Engineering colleges of Tamil Nadu. KEC is ranked 12th position among top emerging engineering colleges of super excellence in CSR-GHRDC Survey 2014. KEC is rated 82nd position among top private engineering colleges in All India level by The Week Magazine (June 2014 issue) and the college is well known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students.

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department was started in the year of 1994. It occupies a prominent place in the chronicles of Kongu academic history. The specialization of the faculties occupies a wide area in the field of electrical and electronics. The department offers four year UG programme in EEE and two year PG programmes in Power Electronics & Drives and Applied Electronics. The department also carrying out so many consultancy activities likes energy auditing to various organizations and industries. EEE Department of Kongu Engineering College was awarded as the 'Best Industry Linked Technical Institute' by AICTE-CII Survey, New Delhi.

ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.



**Two Day National
Level Seminar
On**



**Electrical System Design, Estimation and
Maintenance for Industries**

(25.02.2016-26.02.2016)

Organizing Secretary

Dr.N.Senthilnathan
Professor&HOD/EEE

Coordinators

Major Dr.P.S.Raghavendran
Assistant Professor (Sr.G)/EEE

Mr.R.Karthik Kumar
Assistant Professor/EEE

Mr.D.Sarathkumar
Assistant Professor/EEE

Organized by
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Department of Electrical and Electronics Engg.
and
Industry Institute Partnership Cell
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