

One Week
Short Term Course
on
“Thermal Power Plants: Past and Present”
(Feb. 20-25, 2017)

under WBTEQIP-II



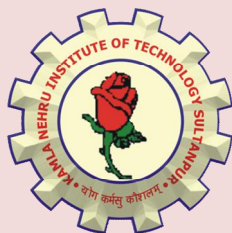
In Technical Association With

IEEE Student Branch

ISTE chapter



Organized by



Department of Mechanical Engineering
KAMLA NEHRU INSTITUTE OF TECHNOLOGY
(An Academic Autonomous Govt. Institution)
SULTANPUR-228 118, Uttar Pradesh, India

www.knit.ac.in

THE INSTITUTE

Established in the year 1976, **Kamla Nehru Institute of Technology, Sultanpur** is one of the leading technical institutions of the region and is responsible for producing top-grade engineers with skill sets comparable with the best in the world. It also renders the testing and consultancy services to the neighbouring industries and various other agencies. This is presently an autonomous government engineering institute (under 2f and 12B of UGC Act) and affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow, India.

The institute offers B. Tech. and M. Tech. courses in Civil, Electrical, and Mechanical, Electronics, Computer Science & Engineering and Information Technology disciplines in addition to M.C.A. course as well. Moreover, it offers Ph. D. in the aforesaid disciplines and also in Applied Science and Humanities.

ABOUT DEPARTMENT

The Mechanical Engineering Department is the oldest department of the Institute. This department have a well qualified faculties and technical supporting staffs. All the laboratories of the departments are well equipped with modern equipments. This department offer U.G. as well as P.G. (Full Time) and P.G. (Part Time) courses.

VENUE

Electrical Seminar Room
Department of Electrical Engineering
Kamla Nehru Institute of Technology,
Sultanpur-228 118
Uttar Pradesh, India

PATRON

Prof. Raghuraj Singh
Director

CHAIRMAN(S)

Prof. H. D. Ram Assoc. Professor & Head, MED	Prof. A. S. Pandey Professor & Head, EED
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COORDINATOR(S)

Prof. S. P. Kutar Assistant Professor	Prof. S. P. Singh Assistant Professor
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CONVENOR(S)

Prof. Amit Medhavi Assistant Professor	Prof. Varun Kumar Assistant Professor
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PROGRAMME OBJECTIVES

The growing energy crisis arising due to the mismatch in demand and supply of electricity is a major hindrance to sustain the current socio-economic growth of developing country like India. Thermal Power plant is the most conventional source of Electric Power. The thermal power plant is also referred as coal thermal power plant and steam turbine power plant.

The aim of this Short term course is to provide exposure to faculty members, practising engineers, and students to the concepts and details of Thermal Power Plants. This course begins with an overview of conventional sources of Electrical Power Generation.

PROGRAMME HIGHLIGHTS

- ❖ Overview of Conventional Energy Sources
- ❖ Trends and future outlook of Thermal Power Plants
- ❖ Types of Thermal Power Plants
- ❖ Global Scenario of Thermal Power
- ❖ Boiler and steam cycles
- ❖ Steam Turbines
- ❖ Condensers
- ❖ Pumps
- ❖ Auxiliary systems
- ❖ Thermal Power generation efficiency
- ❖ Site selection of Thermal Power Plant
- ❖ Transport to coal fuel to site and to storage
- ❖ Coal and ash handling Plants
- ❖ Analysis of Flue gases
- ❖ Cost estimation of Electrical Power
- ❖ Pollutants from Thermal Power Plants and Mitigation Technologies

REGISTRATION

Registration form in the prescribed format approved/sponsored by competent authority should reach to the Course Coordinator on or before February 05, 2017. The number of seats is limited to 20 only, so selection will be made on first come first serve basis. There is **no registration fee** for program. List of selected participants will be displayed on Institute website. www.knit.ac.in

- ❖ **The total number of seats are 20, out of which 10 seats are reserved for other institute participants and industry persons.**
- ❖ **Accommodation is free for all the participants.**
- ❖ **No TA/DA will be paid for attending the STC.**
- ❖ **Working tea/snacks/lunch/dinner will be provided to all participants during course.**
- ❖ **Three days industrial visits are also planned at NTPC (Unchahar, Tanda and Meja)**

Registration Form

One Week Short Term Course on **Thermal Power Plants: Past and Present**

Under TEQIP-II

(Feb. 20-25, 2017)

K. N. I. T., SULTANPUR – 228 118 (U.P.), INDIA

1. Name _____

(In Block Letters)

2. Designation _____

3. Name & Address of Institute/Organization _____

4. Address for Communication _____

E-Mail Address _____

Phone / Mobile No. _____

5. Accommodation Required Yes No

(Fooding & Lodging will be provided in the Institute Guest House)

Place _____

Date _____

Signature of the Applicant

Signature of the Head of the Institution with seal