

**Short Term Course
on
Electric Power – Quality and Control**

12th February – 25th February 2010

under

AICTE Sponsored Staff Development Programme



Organized by:

**Department of Applied Electronics and Instrumentation Engineering
and Department of Electrical Engineering**

**Netaji Subhash Engineering College
Technocity, Garia, Kolkata -700152**

Preamble

The dependence of modern life upon the continuous supply of electrical energy makes power quality topic of utmost importance in the power systems area. In recent years concern over the quality of electric power has been increasing rapidly since poor electric power quality causes many problems for the affected loads such as malfunctions, instabilities, short life time and so on. The increased requirements on supervision control and performance in modern power systems makes power quality monitoring a common practice for utilities.

Objective

The main objective of the course is to enhance the knowledge of the participants in the emerging area of power quality and several key issues related to its modeling, assessment and mitigation. The course will provide a platform to an in-depth discussion on the various challenges and their possible remedies with respect to maintaining power quality in electricity sector, which will benefit participants from academic and R & D institutions, professional engineers from utilities, industries and policy makers.

The course will introduce fundamentals of power quality problems, various causes which create the distortion in the power supply, their control and mitigation. The course will also cover the application of digital signal processing and artificial intelligence techniques for data compression, feature extraction and classification of disturbances.

Eligibility

The course is open for faculty members of AICTE recognized Engineering Colleges from various disciplines e.g. Electrical, Electronics, Telecommunication, Instrumentation, Computer Science and Allied fields.

Participants from industry and Govt. organizations are eligible provided they meet their T.A.

Due to limitation on the number of seats organizers will select the candidates. The selected candidates will be intimated.

Financial Assistance

The participants from AICTE recognized Institutes will be eligible for A.C. III tier railway fare* via the shortest route from the place of work and free lodging and boarding during the course period.

*Please note that the Tatkal reservation charges will not be reimbursed.

Course Timing

10.30 a.m. – 4.30 p.m.

Registration Form

Name:

Designation:

Department:

Institution:

Address for Correspondence:

Phone number:

E-mail address:

Date:

Signature of the applicant

The applicant
from our institution will be permitted to attend the AICTE sponsored short term course
on Electric Power – Quality and Control to be held in the Department of Applied
Electronics and Instrumentation Engineering, Netaji Subhahs Engineering College.

Signature of the Head of the Institution with seal

About Netaji Subhash Engineering College

Netaji Subhash Engineering College is a self financed Institution established in 1998 at Technocity, Garia, Kolkata. The college is established with along cherished ambition to promote and disseminate knowledge particularly technical knowledge in the society. At present the college runs six degree courses in Engineering, Applied Electronics and Instrumentation Engineering, Electrical Engineering, Computer Science Engineering, Electronics and Communication Engineering, Information Technology and Biomedical Engineering. The College also runs three post graduate programs in Control and Instrumentation, Communication Engineering and Computer Science Engineering.



Course Coordinator

Dr. Sudipta Nath

Professor and Head

Department of Applied Electronics and Instrumentation Engineering

E-mail: nath_sudipta@yahoo.com

Phone: (033) 2436-1285/3333

Co-Convener

Mr. Aritra Dasgupta

Lecturer, Department of Applied Electronics and Instrumentation Engineering

E-mail: aritradasgupta@yahoo.co.in

Ms. Pampa Sinha

Lecturer, Department of Electrical Engineering

E-mail: sinha.pampa@gmail.com

Mr. Sathyaprabakar. B

Lecturer, Department of Electrical Engineering

E-mail: sat_1977@rediffmail.com