Fee Payment

The Participation fees for the CEP programmes will be accepted only through Demand Draft drawn in favour of "**Indian Institute of Technology Patna**" or e-transfer / RTGS/ NEFT. Personal cheque will not be accepted in any case.

Details for Online Payments through RTGS/NEFT or e-transfer:

Bank : State Bank of India,
Branch: IIT Patna, Bihta
Bank Account No. : 30957551934
MICR Code : 801002005
Beneficiary : Indian Institute of Technology Patna
Bank Telephone: 0612-3028062
IFSC: SBIN0017164
Account Type : Savings A/c

Registration Fees (INR)

Students:	2000
Faculty:	4000
Industry delegates:	6000

Course Registration

CEP Short Term Course on
Analysis of Faulted Power System

1. Name: _____
2. Date of Birth: (DD/MM/YYYY)_____
3. Sex (M/F):_____
4. Designation:_____
5. Organisation:_____
6. Address for correspondence_____

_____

_____

_____

7. Email:_____
8. Phone/Mobile:_____
9. Highest Academic Qualification:_____
10. Specialization:_____
11. Details of fee payment (Reference no., date of payment, amount etc.):_____

_____

_____

Date:_____
Place:_____

Signature_____

CEP Short Term Course on Analysis of Faulted Power System

December 13 – 15, 2018

Coordinators

Dr. Sanjoy K. Parida, IIT Patna

Dr. S. Sivasubramani, IIT Patna

Office of
Continuing Education & Quality Improvement Programmes

Indian Institute of Technology Patna, Bihta - 801106

Introduction

Power system is the most complex system having spread over large large geographical. The design and operation of such a system and its secure operation are posing enormous challenges. Interconnection of utilities to improve reliability and economy adds more challenging problems to the existing challenges. Since the most of the power system components are exposed to the atmosphere, they are subject to natural disturbances like severe storm and heavy rain. In addition to them, human error and equipment malfunction will create disturbances too. These disturbances will create catastrophic effects to the system and thereby affecting millions of consumers. Therefore it becomes essential to analyze the power system under faulted conditions. This analysis will help system operators design the system to make it withstand for any types of faults.

Broad Scope

This three day workshop familiarizes the participants to the basic concepts of fault analysis in Power System, existing methods, dynamic modeling and analysis along with preventive and emergency measures through simulation studies. The case studies in Indian power system will also be analyzed as part of the course. Various aspects of fault analysis will be demonstrated with real smart experimental set-ups.

Target Audience

The course is suitable for Managers and Engineers from Electricity Utilities, Faculty members, staff and students from Academic institutions with qualification of B. Tech/ M.Tech/PhD in Electrical Engineering.

Course Contents

- Basics of Power System
- Introduction to Fault Analysis
- Methods of Fault Analysis
- Dynamic modeling of Power System Components
- Stability Analysis Under Faulted Condition
- Preventive and Emergency Measures
- Simulation Studies under Faulted Conditions
- Case Studies on Indian Power Grid

Speakers

Dr. Sanjoy K. Parida, IIT Patna

Dr. S. Sivasubramani, IIT

Patna Mr. Chandan Kumar,

ERLDC, POSOCO

How to apply

Scanned copy of the filled in application should be sent to skparida@iitp.ac.in or siva@iitp.ac.in on or before June 30, 2018. Since, the number of seats is limited, first come first will be given preference.

About IIT Patna

IIT Patna is an institute of National importance by an Act of the Indian Parliament in 2008. It is ranked 108 among BRICS nations by the QS World University Rankings of 2018. It is ranked 24 among engineering colleges in India by the National Institutional Ranking Framework in 2018.

IIT Patna's campus is located at Bihta, 35 km from Patna and 20 km from Ara, at a 501 acres site. The nearest railway station is Bihta, 2 km from the campus. IIT Patna has good road connectivity to and from Patna and Ara. Regular bus services have been provided by the Govt. of Bihar from Gandhi Maidan, Patna to IIT Patna campus. The nearest airport to reach IIT Patna campus is Jai Prakash Narayan Domestic Airport, Patna, which is located 5 km southwest of Patna.