



One week self financed Workshop
On
Power System Practices: Analysis & Design
(PSPAD-2019)
20-24 May, 2019

Power system studies in engineering institutes and practices adopted in field has a gap which needs bridging for both students, faculty of academic institutions and practicing engineers in the field. With this objective a one week workshop on “Power System Practices: Analysis and Design” is proposed from 20-24 May, 2019.

The broad topics covered in this one week workshop/ symposium is as follows:

Day1: May 20, 2019

First half:

0. Mission statement for workshop

- i. DPR for 33 kV main receiving station (MRS) based on DSR rates and CPWD rates
- ii. Basic design, Single Line Diagram (SLD) of substation, Bill of Quantity (BOQ), estimated cost etc.

Second half:

1. Review of transmission line mathematical model and its components
2. Load flow analysis
3. Fundamental of protection
4. Stability analysis

Day 2: May 21, 2019

High voltage switching devices, high voltage instruments transformer, insulators, clamps and connectors, selection of transformer along with its protection.

Day 3: May 22, 2019

First half:

Earthing practises: Measurement & Standards

IEEE standard for earthing, IEC standards

Second half:

Protective relaying: Types, characteristics, coordination, industrial specification of protective relays

Day 4: May 23, 2019

First half:

Testing: Type test, routine test,

Commonly used test equipments, safety, control panel, HV switch board etc.

Second half:

Substation Design: 33/11 kV (Indoor and outdoor), 11 kV/440 V substation design

Day 5: May 24, 2019

First half:

Review of Solar PV technology, inverter technology

Offline and online integration with/ without battery bank

Metering standards and regulations of power corporations/ CEA for renewable practices

Second half:

Presentation by participants on DPR

Test/ Panel discussion

Valedictory function for certificate distribution

* This workshop is organised by Dr. R. K. Singh with Dr. Asheesh Kumar Singh and Dr. Niraj Kumar Choudhary. The details of the Institute/ Department and resource persons can be found at the following link:

<http://mnnit.ac.in/index.php/department/engineering/ee/cefp>

* For the students of MNNIT Allahabad there is no registration fee. The participants of nearby institutes need to pay Rs. 2500/- as the registration fee. The registration amount in the form of Demand Draft in favour of "PSPAD-2019" should reach on or before May 18, 2019.

Registration form

One Week Self Financed Workshop
on
Power System Practices: Analysis & Design (PSPAD-2019)
20-24 May, 2019

Organized by
Department of Electrical Engineering
MNNIT Allahabad
Prayagraj-211004

Full Name-----

(in BLOCK letters, as desired on certificate)

Designation: -----Affiliation: -----

Highest qualification: -----

Experience (if any): Teaching: ----- Industry: -----

Address for correspondence: -----

Mobile: -----

Email ID: -----

Registration Fee: (Demand Draft should be in favour of "PSPAD-2019" payable at Allahabad should be sent to Prof. R. K. Singh, Professor, Electrical Engineering Department, MNNIT Allahabad, Prayagraj-211004, U. P.)

Bank: ----- Amount: -----

DD No.:----- Date: -----

Accommodation required: YES/NO

Signature of Applicant