

**Virtual Faculty Development Program  
(FDP)  
on  
Smart Grid: Implementation, Challenges  
and Avenues**

**14<sup>th</sup> – 18<sup>th</sup> April, 2021**

**organized by**



**Dept. of Electronics & Communication  
Engineering  
IIT Bhagalpur, Bhagalpur – 813210 (Bihar)**



**Patron**

Prof. Arvind Choubey  
(Director, IIT Bhagalpur)

**Coordinator**

Dr. Suraj  
Assistant Professor, ECE, IIT Bhagalpur

**About IIT Bhagalpur**

Indian Institute of Information Technology Bhagalpur (IIIT Bhagalpur) is an Institute of National Importance, MoE (earlier MHRD), Govt. of India in Public-Private Partnership (PPP) mode. Bhagalpur is a city of historical importance on the southern banks of the river Ganges in the Indian state of Bihar and popularly known as Silk City. The institute is actively exploring the technical intervention required for the development of the country under the Make in India Initiative. The institute is in notable progress under the able leadership of Prof. Arvind Choubey, Hon'ble Director of the Institute.

Presently, the institute offers B. Tech in engineering in three disciplines in Computer Science and Engineering, Electronics and Communication Engineering and Mechatronics Engineering. The institute is going to start Ph.D, M.Tech and Dual Degree M.Tech & Ph.D programs from July 2021.

**Objective and Outcomes**

The major objective of this Virtual FDP is to address a detail exposure to faculty members and research scholars of different institutes about the most recent innovations, trends, concerns, practical challenges encountered, and the solutions adopted in the field of emerging trends in Smart Grid.

At the end of the program, the participants should be able to understand and apply the following topics:

- Smart grid networks
- Micro grid and service management
- Grid integration of renewable energy sources
- Architectures, models grid codes and standards of smart grid
- Demand side management program
- AC & DC transmission and distribution systems-planning and operation
- Self-healing grids-intelligent monitoring and outage management
- Advanced metering, communication networks and Cyber security of smart grid
- Carbon footprint and its applications on smart grid

**Resource Persons**

- ✓ Shri Indu Shekhar Jha (Member, CERC & Ex CMD, PGCIL)
- ✓ Prof. Debapriya Das (IIT, Kharagpur)
- ✓ Prof. Tirthadip Ghose (BIT, Mesra)
- ✓ Dr. Ranjan Kumar Behera (IIT, Patna)
- ✓ Dr. Subhojit Ghosh (NIT, Raipur)
- ✓ Prof. Varsha Shah (SVNIT, Surat)
- ✓ Dr. Dushmanta Kumar Das (NIT, Nagaland)
- ✓ Dr. Sachin Singh (IET, Lucknow)
- ✓ Dr. Kumar Raja G. (IL&FS Energy Company Ltd.)

## Target Participant

Industry people, faculty members and research scholars of recognized universities & engineering colleges all over India and abroad.

## Registration Fee

From Academic: Rs 500.00

From Industry: Rs 1000.00

**Last date of submission of application:  
11<sup>th</sup> April, 2021.**

## Mode of Payments

**Account Name:** Indian Institute of Information Technology Bhagalpur (IRG)

**Bank Name:** UCO Bank, Sabour, Bhagalpur

**Account Number:** 11270110047149

**IFSC Code:** UCBA0001127

**Participant will get e-certificate after the successful completion of the course.**

## Registration Process

1. Registration can be done through attached brochure or following the link mentioned below.  
<https://forms.gle/V4Grd4H4VX3CGiiZ8>
2. Total number of seats is 30. Selection will be made purely on First-Come-First-Serve basis (Subject to fulfilling the eligibility criteria).

The brochure and the registration form may be downloaded from the Institute website.

## Advisory Committee

Dr. Gaurav Kumar, Registrar in Charge, IIIT Bhagalpur

Dr. Dheeraj Kumar Sinha, Head ECE, IIIT Bhagalpur

Dr. Pradeep Kumar Biswal, Head CSE, IIIT Bhagalpur

Dr. Tameshwer Nath, MEA, IIIT Bhagalpur

## Organizing Committee

Dr. Prakash Ranjan, ECE, IIIT Bhagalpur

Dr. Sandeep Raj, ECE, IIIT Bhagalpur

Dr. Sanjay Kumar, ECE, IIIT Bhagalpur

Dr. Dhurbajyoti Bhattacharya, ECE, IIIT Bhagalpur

Dr. Chandan Kumar Jha, ECE, IIIT Bhagalpur

Dr. Rupam Bhattacharya, CSE, IIIT Bhagalpur

Dr. Dilip Kumar Choubey, CSE, IIIT Bhagalpur

Dr. Babul Prasad Tewari, CSE, IIIT Bhagalpur

Dr. Abhinav Gautam, MEA, IIIT Bhagalpur

## Address for Correspondence

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## Faculty Development Program (FDP)

on

**Smart Grid: Implementation, Challenges  
and Avenues  
(14<sup>th</sup>-18<sup>th</sup> April 2021)**

## REGISTRATION FORM

Name (Mr/Ms/Dr.) .....

Designation.....

Department.....

Institute/Organization.....

Address.....

.....

.....

Email: .....

Mobile Number .....

WhatsApp Number.....

Payment Details:

Online payment Reference number

.....

Date .....

Amount.....

Signature of Applicant

Click the following link for online registration:

<https://forms.gle/V4Grd4H4VX3CGiiZ8>