

Virtual Faculty Development Program (FDP) On Communication Networks and Machine Learning

From
18th – 22nd January, 2021

Organized by



Department of Computer Science &
Engineering
IIT Bhagalpur, Sabour, Bhagalpur – 813210
(Bihar)

Patron
Prof. Arvind Choubey
(Director, IIT Bhagalpur)

Coordinators (IIT Bhagalpur)
Dr. Dilip Kumar Choubey
Dr. Babul Prasad Tewari

About IIT Bhagalpur

Indian Institute of Information Technology, Bhagalpur (IIT Bhagalpur) is one of the IITs set up by MHRD, Govt. of India and it started functioning from the academic year 2017. The institute has already got the status of “National Importance” under the act of parliament. The institute will be set up in 50 acres of area with the-state-of-the art campus and will boast of multimedia board room, smart class room, lecture halls and Wi-Fi facilities etc. Bhagalpur is a city of historical importance on the southern banks of the river Ganges in the Indian state of Bihar. It is the 3rd largest city of Bihar and also the headquarters of Bhagalpur district and Bhagalpur division, known as Silk City and listed for development under the Smart City program.

Honourable Union Education Minister, Dr. Ramesh Pokhriyal 'Nishank' laid the Foundation stone of permanent campus of IIT Bhagalpur through virtual mode on 21-12-2020 in the presence of other distinguished guests. Dr. Pokhriyal has praised about the institute's progress in his twitter account. He has stated that the institute will provide a strong foundation to “new India” in terms of opportunities to conduct research, innovation and explore new arenas within domains like agriculture, medicine etc. The institute is in notable progress under the able leadership of Prof. Arvind Choubey, honourable Director of the institute.

Presently the institute offers three degree engineering courses in Computer Science and Engineering, Electronics and Communication Engineering and Mechatronics Engineering. The institute is going to start Ph.D, M.Tech and dual M.Tech-PhD program from July 2021.

The department of Computer Science & Engineering is currently offering the degree of Bachelor of Technology (B.Tech.) in CSE. The programme aims to provide core concepts and skills in the area of Computer Science & Engineering supported by practicums. The course structure of the department offers core computer science subjects in the early semesters which allow the students to master the subjects and carry out projects and research in their interested areas starting from the third year. The Department has state-of-the-art infrastructure and computing equipment supported by high-speed Ethernet and wireless networks. The major focused research areas of the department are Wireless Communication, Mobile Computing, Soft Computing, Pattern recognition, Bio-informatics, Data Mining, Machine Learning, Deep Learning, IoT, Cloud Computing, Cognitive computing and Digital VLSI Testing. The department is in the process of offering new courses in the area of Artificial Intelligence,

Machine Learning, Data Science and Cyber Security for PG and PhD courses.

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 recent advancement and technical challenges in the field of communication networks, and machine learning.

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

- 5G D2D communications.
- Wireless Sensor Networks
- Cryptography and Network Security
- Machine Learning and Deep Learning
- Formulate problems into Machine Learning and Deep Learning Framework
- Machine Learning and Deep Learning Tools and Techniques to solve the problems

Resource Persons

Internationally acclaimed faculty members from premier institutions like IIT, ISI, NIT, IIIT and abroad.

Who Can Participate

Industry personals, Faculty members of UGC/AICTE recognized Universities and Engineering colleges all over India and abroad, Research scholars..

Registration Fee

- ✚ Faculty Member/ Ph.D. students: Nil
- ✚ Industry Personnel: Nil

Certificate will be given by the Institute based on the performance.

Registration Process

1. Registration will be done through attached brochure (Send to Coordinators).
2. Total number of seats is 50. Selection will be made purely on First-Come-First-Serve basis (Subject to fulfilling the eligibility criteria).
3. The brochure and the registration form may be downloaded from the Institute website.

Last date of submission of application: 15th January, 2020.

Address for Correspondence

Enquiry should be addressed to:

Dr. Dilip Kumar Choubey,
Assistant Professor,
Department of Computer Science and Engineering,
Indian Institute of Information Technology,
Bhagalpur,
BCE Campus, Sabour, Bhagalpur – 813210 (Bihar),
India
dkchoubey.cse@iiitbh.ac.in
Mobile: +91 7033789676

Dr. Babul Prasad Tewari
Assistant Professor,
Department of Computer Science and Engineering,
Indian Institute of Information Technology,
Bhagalpur,
BCE Campus, Sabour, Bhagalpur – 813210 (Bihar),
India
Email: bptewari.cse@iiitbh.ac.in
Mobile: +91 6297479700

Advisory Committee

Dr. Gaurav Kumar, Registrar in Charge, IIIT Bhagalpur
Dr. Pradeep Kumar Biswal, Head CSE, IIIT Bhagalpur
Dr. Dheeraj Kumar Sinha, Head ECE, IIIT Bhagalpur

Organizing Committee

Dr. Rupam Bhattacharyya, CSE, IIIT Bhagalpur
Dr. Thejaswini M, CSE, IIIT Bhagalpur
Dr. Prakash Ranjan, ECE, IIIT Bhagalpur
Dr. Sandeep Raj, ECE, IIIT Bhagalpur
Dr. Suraj, ECE, IIIT Bhagalpur
Dr. Tameshwer Nath, ME, IIIT Bhagalpur

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On
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(18–22 January 2021)**

REGISTRATION FORM

1. Name (block letter):

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(a) Gender: Male Female

(b) Category: Gen OBC

SC ST

2. Aadhaar Number:

3. Designation:

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4. Organization:

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5. Highest Academic Qualification:

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6. Experience (in years):

(a) Teaching:

(b) Industrial:

7. Address for communication:

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Pin code: Ph. No.:

Fax No.:

E-mail:

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DECLARATION

I do hereby agree to abide by the rules and regulations of the FDP.

Place:

Date:

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Signature of the applicant