Short-Term Course on Machine Learning in Healthcare and Agriculture (Hybrid Mode)

09th – 13th May, 2024

Indian Institute of Information Technology Bhagalpur
Department of Computer Science & Engineering,
Bhagalpur – 813210 (Bihar)

Patron
Prof. Pradip Kumar Jain
(Director, IIIT Bhagalpur)

Coordinator
Dr. Dilip Kumar Choubey
Assistant Professor
Dept. of CSE, IIIT Bhagalpur

Co-Coordinators
Dr. Ujjawal Biswas
Dr. Ravishankar Mehta
Dept. of CSE, IIIT Bhagalpur

About IIIT 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 and it started functioning from the academic year 2017. 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. Pradip Kumar Jain, Hon'ble Director of the Institute.

The institute is currently offering B. Tech. degree in Computer Science and Engineering, Electronics and Communication Engineering, Mechatronics and Automation Engineering, Mathematics and Computing (MNC). The institute has started Ph.D, M.Tech and Dual Degree M.Tech & Ph.D programs from August 2021.

About the Short-Term Course

This hybrid short-term course is aimed at imparting knowledge and training on the fundamentals and advancements of machine learning in healthcare and agriculture. Expert lectures will be delivered by faculty members from academia and industry. This programme will be beneficial to faculty members, research scholars, PG and UG students who intend to pursue research in the field of processing and analysis of data using techniques such as Machine Learning (ML) for healthcare and agriculture.

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

- How machine learning, deep learning, and IoT works along with motivations in healthcare
- Applications of machine learning and deep learning in healthcare
- How to formulate problems into machine learning and deep learning framework

- Practical knowledge in analysis, design and development machine learning, and deep learning techniques
- Practical session on machine learning and deep learning techniques by using python majorly in healthcare
- Disease types that the AI and machine learning communities are currently tackling and possible solutions for them.

Guest of Honor & Keynote Speaker

✓ Mr. Kundana Lal, President, Vitti Research Foundation.

Speakers

✓ Prof. Kalyan Chatterjee, IIT (ISM), Dhanbad, Jharkhand.
✓ Prof. Maheshwari Prasad Singh, HoD CSE, NIT Patna, Bihar.
✓ Prof. Munesh Chandra, E & T, PSSCIVE, Bhopal, M.P.
✓ Dr. Sriparna Saha, Assoc. Prof., CSE, IIT Patna, Bihar.
✓ Dr. Dilip Singh Sisodia, Assoc. Prof., CSE, NIT Raipur, C.G.
✓ Dr. Jyoti Prakash Singh, Assoc. Prof., CSE, NIT Patna
✓ Dr. Akshay Deepak, Assoc. Prof., CSE, NIT Patna
✓ Dr. Vivek Tiwari, Assoc. Prof., CSE, ABV-IIITM Gwalior, M.P.
✓ Dr. Vaibhav Soni, Asst. Prof., CSE, MANIT Bhopal, M.P.
✓ Dr. Jitendra Kumar, Assoc. Prof., SAS, VIT Vellore, Tamil Nadu.
✓ Dr. Chandramauleshwar Roy, SENSE, VIT Chennai, Tamil Nadu.
✓ Dr. Sandeep Raj, Asst Prof., ECE, IIIT Bhagalpur, Bihar.
✓ Dr. Chandan Kumar Jha, ECE, IIIT Bhagalpur, Bihar.
✓ Dr. Dilip Kumar Choubey, Asst Prof., CSE, IIIT Bhagalpur, Bihar.

Who can Participate?

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

Registration Fee

UG/PG/PhD/Faculty /Industry: Rs 500.00
UG/PG/PhD/Faculty (IIIT Bhagalpur): Rs. 300

Last Date of Registration

06th May, 2024

Number of Seats (tentative):

20 in offline mode (on First cum first serve basis)
50 in online mode (on First cum first serve basis)

Mode of Payments

1. **SBI Collect:**
   i. Open SBI Collect website through the following link: https://www.onlinesbi.sbi/sbicollect/icollecthome.htm
   ii. Select Educational Institutions
   iii. Select State as Bihar and search for IIIT Bhagalpur in the presented list.
   iv. Select the Payment Category as 'MISC'
   v. Fill in the Payment Details, Note: write the purpose as 'Machine Learning in Healthcare and Agriculture'
   vi. Confirm your enter details
   vii. Choose your preferred payment options and complete your payment details.
   viii. Print the payment receipt and upload it to the google forms mentioned below section

2. **For Internet Banking User:**
   Bank Name: State Bank of India
   Account Name: IIIT Bhagalpur
   Account Number: 40204916172
   IFSC Code: SBIN0011805

Registration Process

1. Registration can be done through the attached brochure or following the link mentioned below.
https://forms.gle/Gw9azhzGZYGpAcYs5
2. Total number of seats is 70 (20 in offline and 50 in online). 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. https://www.iiitbh.ac.in/

Patron

Prof. Pradip Kumar Jain, Director, IIIT Bhagalpur

Chairperson

Dr. Thejaswini M, CSE, IIIT Bhagalpur

Coordinator

Dr. Dilip Kumar Choubey, CSE, IIIT Bhagalpur

Co-Coordinators

Dr. Ujjawal Biswas, CSE, IIIT Bhagalpur
Dr. Ravishankar Mehta, CSE, IIIT Bhagalpur

Advisory Committee

Dr. Pradeep Kumar Biswal, CSE, IIIT Bhagalpur
Dr. Om Prakash Singh, CSE, IIIT Bhagalpur
Dr. Sandeep Raj, ECE, IIIT Bhagalpur
Dr. Chandan Kumar Jha, ECE, IIIT Bhagalpur
Dr. Gaurav Kumar, MeA, IIIT Bhagalpur

Address for Correspondence

Enquiry should be addressed to:

Dr. Dilip Kumar Choubey
Asst. Prof., Dept. of CSE
IIIT Bhagalpur, Sabour, Bhagalpur, Bihar–813210, India
Email: dkchoubey.cse@iiitbh.ac.in
Mobile: +91 7033789676

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

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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/Gw9azhzGZYGpAcYs5