

WHO CAN PARTICIPATE

This workshop is specifically designed for UG/PG/PhD students, researchers, faculties and technical staffs from the branches of engineering/ Science who are interested in the freight logistics, urban planning, data science, and predictive technologies.

REGISTRATION

Name: _____

Designation: _____

Institute: _____

Address: _____

Email ID: _____

Contact No: _____

Undertaking:

I shall abide by rules and regulations and shall attend course. Failing which certificate may not be issued.

Signature of Participant

CONTACTS

Dr. S Pratap and Dr. Lakshay
(Coordinator)

Assistant Professor

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ABOUT NM-ICPS

The National Mission on Cyber-Physical Systems (NM-ICPS) is identified as one such emerging field to have a significant impact on health care, urban transportation, water distribution, energy, urban air quality, manufacturing and governance. The activities envisioned under this Mission will give a impetus to Indian manufacturing via the invention of new products, services and the creation of skilled young human resource from technicians to, researchers and entrepreneurs. It will have modernisation and digitalisation of socio-technical systems and services.

ABOUT IDAPT

The Interdisciplinary Data Analytics and Predictive Technologies (IDAPT) has been regarded as one of the most prominent fields whose progress will add significant impact on various socio-economic issues. At IIT (BHU) five verticals 1)Telecommunications, 2) Power, 3)Road Transport and Highways, 4) Defence Research and Development, and 5) Health and Family Welfare have been identified under IDAPT. The endeavour shall catalyse the creation of skilled young engineers, researchers, technicians, and entrepreneurs, together with human resource at all levels, besides becoming a key contributor to realizing the vision of “Digital India”, “Innovate in India”, and “Make in India”.

Road and Transport in IDAPT

Road and Transport in IDAPT will undertake technology development for making transportation systems smart, efficient and environment friendly. IDAPT would enable understanding real-world transportation system dynamics and travel behaviour impact. The information flow amongst computer systems, road infrastructure and road users will be analyzed in the traffic control system. Alongwith advanced ICT, it aims at building new systems by integrating ICT and physical processes as smart transportation systems.

Short Term Course on

Data Analytics and Predictive
Techniques for Urban Freight Transportation System (FTS)

A TECHNOLOGY INNOVATION HUB

ON

INTERDISCIPLINARY DATA ANALYTICS AND PREDICTIVE TECHNOLOGY

(IDAPT)

Under

NATIONAL MISSION ON INTERDISCIPLINARY CYBER PHYSICAL SYSTEM (NM-ICPS)



10th -14th November

Coordinators:- Dr. S Pratap
Dr. Lakshay

ABOUT INSTITUTE



The Indian Institute of Technology (Banaras Hindu University) owes its existence to Mahamana Pandit Madan Mohan Malviya, Bharat Ratna-the founder of

the first residential university of modern India, the Banaras Hindu University. The three of the erstwhile engineering colleges of BHU, namely BENCO, MINMET and TECHNO, were merged to form the Institute of Technology (IT-BHU) in 1968 to provide an integrated educational base. The IT-BHU has been admitting students through the JEE conducted by the IIT's since 1972, and has been consistently ranked amongst the top few engineering institutions of the country. IT-BHU became IIT (BHU) in June 29, 2012 by an Act of Parliament. The Institute has maintained high academic standard since its inception. It has turned out luminary engineers and administrators who served the nation with great distinction.

ABOUT MECHANICAL DEPARTMENT

Welcome to the Department of Mechanical Engineering at Indian Institute of Technology (IIT BHU), where experienced faculty and highly motivated students - supported by a dedicated staff - experience a unique engineering education. The Department offers academic programmes at three levels leading to Bachelor of Technology (B.Tech.) in Mechanical Engineering, Master of Technology (M.Tech.) in Mechanical Engineering and Decision Science, and Doctor of Philosophy (Ph.D.) degrees. In addition, continuing education programmes in specialized areas are offered on a regular basis for industry professionals and academic staff from other colleges.

EMINENT SPEAKERS (Tentative)

Prof. Akhilesh Kumar (IIT Kharagpur, India)
Prof. D G Mogale (Cardiff Business School , UK)
Prof. Lohitaksha Maiyyar (IIT Hyderabad, India)
Prof Arijit De (University of Manchester, UK)
Dr. Nilanjana De Bakshi (PhD, IIT Delhi)
Dr Ravi Gadepalli (Transport Consultant, UITP)
Dr. Lakshay (IIT BHU, India)
Dr Saurabh Pratap (IIT BHU, India)

COURSE CONTENTS (Tentative):

With the focus of improving the Freight Transportation Systems (FTS) considering diverse transportation options through data analytics and predictive technologies. This STC covers

- Role of GIS in transportation
- Data collection techniques in India
- Improvement methods of FTS
- Analytics-driven solutions for FTS
- Big data analysis for traffic data
- Available Machine learning methods
- Predictive analytics: way to transform freight transportation systems
- Cloud computing for making operations efficient
- Hands-on training on experience to the participants with software's (MS-Excel®/SPSS/Python/QGIS) applications to publicly available data.

REGISTRATION DETAILS

Registration link :

tinyurl.com/69sdzf2v

Last Date of Registration: **20th October, 2021**

Registration Fees:

For faculties, scientists and post doctoral Fellow: Rs. 1000/- (non-refundable)
Industry: 4000/- (non-refundable)
For UG and PG students : Rs. 100 (non-refundable)

Payment may be made by one of the following methods:

(i) Demand draft In favor of I-DAPT-HUBFOUNDATION
Payable at SBI, IIT(BHU) Varanasi.

(ii) For online payment
Branch: SBI, IIT(BHU) Varanasi
IFSC Code: SBIN0011445
Name: I-DAPT-HUB-FOUNDATION
Account No: 39818711510

Course Mode: **Online**

In case of any difficulty you can contact us at
lakshay.mec@itbhu.ac.in;
saurabh.mec@itbhu.ac.in