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, supply chain management 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
Department of Mechanical Engineering
Indian Institute of Technology (BHU), Varansai
Email ID:- saurabh.mec@itbhu.ac.in;
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ABOUT NM-ICPS

The National Mission on Cyber-Physical Systems (NM-ICPS) is an emerging field. it has a significant impact on health care, urban transportation, water distribution, and energy. Through the development of new goods and services, as well as the recruitment of young talent with the necessary skills, including technicians, researchers, and entrepreneurs, the activities envisioned under this Mission will stimulate Indian manufacturing. In addition to that the sociotechnical systems and services will be updated and digitalized.

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 initiative will catalyse the development of knowledgeable young engineers, researchers, technicians, and entrepreneurs, as well as a human resource at all levels, and it will play a significant role in achieving the goals of "Digital India," "Innovate in India," and "Make in India."

Road and Transport in IDAPT

In IDAPT, Road and Transport will develop technology to make transportation systems intelligent, effective, and environmentally sustainable. Understanding the dynamics of actual transportation systems and the effects of travel behaviour would be made possible by DAPT. The traffic control system will analyse the information flow between computer systems, road infrastructure, and road users. It aims to create new systems by integrating advanced ICT with physical processes such as smart transportation systems.

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

The Department of Mechanical Engineering came into existence in 1919 under the leadership of Professor Charles A. King, the first Head of the Department and Principal of the erstwhile Banaras Engineering College. Over the last ninety nine years, the department has grown four folds to become the largest department in IIT (BHU),. Varanasi. The post-graduate and doctoral program in the department is well-established and infrastructural facilities exist for studies and research for a range of specialisations such as Machine Design, Thermal and Fluid Engineering, Production Engineering and Industrial Management.

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. Hemant Kumar Suman, IIT Roorkee

Dr. Amit Agarwal, IIT Roorkee

Dr Sunil Jauhar (IIM Kashipur)

Dr. Lakshay (IIT BHU, India)

Dr Saurabh Pratap (IIT BHU, India)

COURSE CONTENTS (Tentative):

Inline with the national master plan of the PM GATI SHAKTI, this course focuses on providing ways to improve the freight transportation system by better coordination and connectivity through data analytics and predictive technologies. This STC covers

- Urban Freight Transportation System—Planning & Strategies.
- Multi modal Urban Freight Management
- Digital Technologies and it's role in Freight Transportation.
- AI driven freight transportation
- Decision Support System for Freight Logistics.
- Sustainable Freight Transportation System
- Role of Data analytics and Predictive technologies in sustainable Freight Transportation
- Hands on Practice and case studies .

REGISTRATION DETAILS

Registration link : https://tinyurl.com/yck7wy5v

Last Date of Registration: 20th Feb, 2023

Registration Fees:

For faculties, scientists and post doctoral Fellow: Rs. 2360 (including GST)
Industry: Rs. 4720 (including GST)
For UG and PG students : Rs. 590 (including GST)

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: 40298890505

Course Mode: Online

In case of any difficulty you can contact us at

saurabh.mec@iitbhu.ac.in

Lakshay.mec@iitbhu.ac.in