

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. Lakshay
(Coordinator)

Assistant Professor

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Indian Institute of Technology (BHU), Varanasi
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ABOUT NM-ICPS

The National Mission on Cyber-Physical Systems (NM-ICPS) is a new subject that is currently being developed. It has a substantial effect on the provision of medical care, urban transportation, the distribution of water, and the production of energy. The goals of this Mission are to revitalise India's industrial sector by encouraging the creation of innovative products and services and the attraction of young people with the requisite expertise in fields like technology, science, and business. Sociotechnical tools and services will also 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.

Short Term Course on

“Techniques for Increasing the Capacity of the Road and Marine Transportation Systems”

6th February–11th February 2024

Supported by

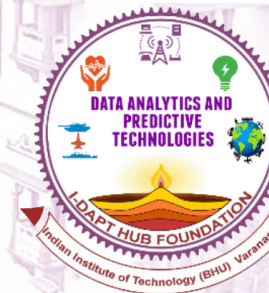
**A TECHNOLOGY INNOVATION HUB(TIH)
ON**

**INTERDISCIPLINARY DATA ANALYTICS
AND PREDICTIVE TECHNOLOGY(I-DAPT)**

Under

**National Mission on Cyber-Physical
Systems (NM-ICPS)**

PM
GatiShakti
National Master Plan for
Multi-Modal Connectivity



Coordinators:- **Dr. Lakshay**
Dr. S. Pratap

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)
Prof. D G Mogale (Cardiff Business School , UK)
Prof. Lohithaksha Maiyyar (IIT Hyderabad)
Prof Tanmoy Kundu, IMI Delhi
Dr A Bhatnagar (E-com Express, Indu. Expert)
Prof Sunil Jauhar, IIM Kashipur
Prof Saurabh Pratap, IIT BHU, India
Prof Mhd K HABIBI , Rennes School, France
Prof Hemant Kumar, IIT Roorkee

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

- Maritime Freight Transportation System— Planning & Strategies.
- Urban Freight Road Transportation Management
- Digital Innovations in Freight Transportation
- AI driven freight transportation
- Decision Support System for Maritime Freight Logistics.
- Sustainable Multi-modal Freight Transportation System
- Sustainable Freight Transportation: Data analytics and predictive tools
- Practical Experience and Real-World Examples

REGISTRATION DETAILS

Registration link : <https://tinyurl.com/ze2kaxch>

Last Date of Registration: **15th December 2023**

Registration Fees:

For faculties, scientists and post doctoral Fellow: Rs. 2360 (including 18% GST)
Industry: Rs. 4720 (including 18% GST)
For UG and PG students : Rs. 690 (including 18% GST)

Payment may be made by one of the following methods:

(i) Demand draft In favour of I-DAPT-HUB FOUNDATION 2

Payable at SBI, IIT(BHU) Varanasi.

(ii) For online payment

Branch: SBI, IIT(BHU) Varanasi

IFSC Code: SBIN0011445

Name: I DAPT HUB FOUNDATION 2

Account No: 40298890505

Course Mode: **Hybrid Mode**

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