

WHO CAN PARTICIPATE

This workshop is specifically designed for Industry practitioners, scholars, 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

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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

At IDAPT, IIT (BHU), the Road and Transport vertical is dedicated to developing intelligent, efficient, and environmentally sustainable transportation technologies. It focuses on understanding real-world transport dynamics and travel behavior, while advanced traffic control systems analyse interactions between digital platforms, road infrastructure, and users. By integrating cutting-edge ICT with physical processes, IDAPT aims to drive the creation of next-generation smart transportation systems

Short Term Course on

Technovation for Future Supply
Chains and Transportation: Data to
Digitalization

A TECHNOLOGY INNOVATION HUB

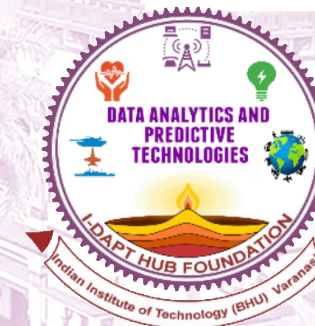
ON

INTERDISCIPLINARY DATA ANALYTICS
AND PREDICTIVE TECHNOLOGY
(IDAPT)

Under

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

PM
GatiShakti
National Master Plan for
Multi-Modal Connectivity



27th Jan-1st Feb 2026

Coordinators:- 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 adminis-

ABOUT N.C JAIN SCHOOL OF DECISION SCIENCES AND ENGINEERING

Established in 2010, the N.C. Jain School of Decision Sciences and Engineering at IIT (BHU), Varanasi, has witnessed significant growth over the past 15 years. The School offers well-structured postgraduate and doctoral programs, supported by strong infrastructure for advanced learning and research. With expertise across diverse specializations such as Supply Chain Management, Machine Learning, and Artificial Intelligence, the School continues to foster academic excellence and innovation in decision sciences and engineering.

EMINENT SPEAKERS (Tentative)

Prof Vipul Jain (RMIT University, Aus)
Dr A Bhatnagar (E-com Express, Indu. Expert)
Prof Yash Daultani, IIM Lucknow
Prof Naoufel Cheikhrouhou , Geneva Business Sch.
Dr Alok Patel, Udaan
Dr Ajay Pandey (Ernst and Young)
Dr Lohitaksha M Maiyar (IIT Hyderabad)
Dr Lakshay (IIT BHU)
Prof Debjit Roy (IIM Ahemdabad)
Dr Dharmendra Singh (Joint Secretary, Défense)
Dr Manoj Kumar (Solver Mind)
Prof S P Singh (IIT Delhi)

COURSE CONTENTS (Tentative):

This course, designed in line with the PM Gati Shakti – National Master Plan, emphasizes the use of data-driven approaches, digitization, and predictive technologies to enhance coordination, connectivity, and efficiency in India's freight transportation system. The program integrates supply chain technovation, digital twins, and AI applications to address sustainability and resilience in multimodal freight movement. This STC covers

- Freight Transportation Planning and Strategies
- Digital Twin Applications in Freight Systems
- Digital Innovations in Freight Transportation
- Sustainable Freight Transportation: Data Analytics and Predictive Tools
- AI Applications in Freight Transportation
- Sustainable Multi-modal Freight Transportation System
- Sustainable Freight Transportation: Data analytics and predictive tools
- Practical Experience and Real-World Examples

REGISTRATION DETAILS

Short Term Course on

Registration link : <https://forms.gle/SrMvwv1zysyNpn3R7>

Last Date of Registration: **10th Jan, 2026**

Registration Fees:

For faculties, scientists and post doctoral Fellow (online): Rs. 2000
Industry/R&D (online) : Rs. 3500
For UG and PG students (offline) : Rs. 1500
International Participants (online) : USD 100

Payment may be made by one of the following methods:

(i) Demand draft In favour 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: **Hybrid Mode**

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