

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.

CONTACTS

**Prof. S Pratap
(Coordinator)**

Assistant Professor

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ABOUT NM-ICPS

The National Mission on GATI SHAKTI, Master Plan for Multi-modal Connectivity, is identified as one such emerging field to have a significant impact on In land transportation through railways and road mode, seaborne transportation through high-tech port infrastructure and governance. The activities envisioned under this Mission will give a impetus to Indian logistics sector via the invention of new products, services and the creation of skilled young human resource from technicians to, researchers and entrepreneurs. It will have modernization and digitalization of logistic technical systems and services.

ABOUT IDAPT

One of the most promising areas, the interdisciplinary study of data analytics and predictive technologies (IDAPT) is expected to have far-reaching effects on a wide range of societal and economic concerns as it develops. Five sectors, including 1) Telecommunications, 2)Power, 3)Road Transport and Highways, 4)Defense Research and Development, and 5)Health and Family Welfare, have been designated at IIT (BHU) under IDAPT. In addition to playing a crucial role in bringing about the goals of "Digital India," "Innovate in India," and "Make in India," the initiative will also spur the development of a new generation of qualified engineers, researchers, technicians, and business owners.

Road and Transport in IDAPT

Transportation and Roads in IDAPT will work to improve transportation networks in terms of intelligence, efficiency, and sustainability through the use of newly developed technologies. The dynamics of transportation systems and the effects of travel behaviour on the real world could be better understood with the help of DAPT. The traffic control system will examine how data moves between vehicles, traffic lights, and other computerised systems. Among its goals is the development of innovative systems that combine ICT and physical processes,

Short Term Course on

Data Analytics and Predictive
Techniques for Multi-Modal
Transportation System (MTS)

**A TECHNOLOGY INNOVATION HUB
ON
INTERDISCIPLINARY DATA ANALYTICS AND
PREDICTIVE TECHNOLOGY
(IDAPT)**

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



26th June– 30th June 2023

**Coordinators:- Prof S Pratap
Co-coordinator: Prof D Mogale**

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

ABOUT MECHANICAL DEPARTMENT

Welcome to IIT BHU's Department of Mechanical Engineering, where devoted staff, experienced instructors, and motivated students receive a unique engineering education. The Department provides B.Tech., M.Tech., and Ph.D. programs in mechanical engineering. Industry workers and academics from other universities also receive regular continuing education in specialized fields.

ABOUT LOGISTICS RESEARCH NETWORK FORUM

The LRN is an informal network of academics, researchers, practitioners and other interested individuals working in the area of logistics, supply chain management and operations management. Its primary goal is to make it easier to produce useful research and get that findings out to the world. LRN members' research should improve logistics, supply chain, and operations management.

EMINENT SPEAKERS

- Prof. Vasco S Rodrigues (Cardiff Business School, U.K)
- Prof. Abhijeet Ghadge (Cranfield University, U.K)
- Prof. K Velayutham (Univ. of Central Lancashire, U.K)
- Prof Dnyaneshwar Mogale (Cardiff B School, U.K)
- Prof. Lohitaksha Maiyar (IIT Hyderabad)
- Prof. Yash Daultani (IIM Lucknow, India)
- Prof. Tanmoy Kundu (IIT Jodhpur)
- Prof. Lakshay (IIT BHU)
- Prof. Krishna Kumar (IIM Ranchi)
- Prof. L Trinchini (Nottingham Trent University, UK)

COURSE CONTENTS (Tentative):

- Data analytics and predictive technologies improve Multi-modal Freight Transportation Systems (FTS) by considering diverse transportation choices. STC covers
- Introduction to Multi-Modal freight Transportation System
- Role of GIS in Multi-modal freight transportation
- Multi-modal transport in India
- Improvement strategies for MMFTS
- Technology trends in Logistics
- Data-driven solutions for MMFTS
- Decarbonizing freight transport
- Future of MMFTS Cloud computing for making operations efficient
- Social Sustainability in logistics 4.0

REGISTRATION DETAILS

Registration link :

<https://forms.gle/kVHDBsPmPfXEALJd8>

Last Date of Registration: 20th June, 2023

Registration Fees:

For faculties, scientists and post doctoral fellow: Rs. 1180/- (non-refundable)

Industry: 4720/- (non-refundable)

For UG and PG students : Rs. 590 (non-refundable) (18% GST included)

For Foreign Participants: 25 \$USD

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

Swift Code: SBININBB952

Name: IDAPT HUB FOUNDATION

Account No: 40298890505

Course Mode: Hybrid Mode-

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