

Coordinators

Dr. Agnivesh P

Department of Civil Engineering
IIT (BHU) Varanasi

Dr. Ankit Gupta

Department of Civil Engineering
IIT (BHU) Varanasi

Organizing Committee

Dr. Vikash Kumar Dubey, Dean (R&D), IIT (BHU)
Dr. Rajeev Kumar Singh, Coordinator, I-DAPT, IIT (BHU)
Dr. N. S. Rajput, IDAPT, IIT (BHU)
Dr. Sanjay Singh, IDAPT, IIT (BHU)

ABOUT NM-ICPS and IDAPT

The National Mission on Interdisciplinary 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 impetus to Indian manufacturing via the invention of new products and services and the creation of skilled young human resources, from technicians to researchers and entrepreneurs. 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 the human resource at all levels, besides becoming a key contributor to realizing the vision of "Digital India", "Innovate in India", and "Make in India".

KEY SPEAKERS



Dr. Abhishek Dubey, Associate Professor, Vanderbilt University, USA (Expertise: Cyber-Physical systems, Smart Cities)



Dr. Lelitha Devi Vanajakshi, Professor, IIT Madras, (Expertise: Intelligent Transportation Systems, Traffic Flow Theory, Transit Operations)



Dr. Jesus Gonzalez-Feliu Professor, La Rochelle Business School, France (Expertise: Urban freight, city logistics, carrier coordination)



Dr. Varun Varghese, Assistant Professor, Hiroshima University, Japan (Expertise: Travel behavior modelling, transportation planning, econometric modelling, sustainable mobility)



Dr. Ivan Sanchez-Diaz, Associate Professor, Chalmers University of Technology (Expertise: Urban parking and E-mobility transition)



Dr. Sabya Mishra, Professor, Civil Engineering, University of Memphis, USA (Expertise: Transit Planning, Autonomous Vehicles, Land use)



Dr. Lisa-Maria Putz-Egger, Professor, University of Applied Sciences Upper Austria (Expertise: Intelligent Transportation Systems, Traffic Management, Smart Cities)



Dr. Rajesh Krishnan, CEO, ITS Planners and Engineers (Expertise: Intelligent Transportation Systems, Traffic Management, Smart Cities)



Laghu Parashar, Senior Transport Specialist, World Bank (Expertise: Transit Planning and Sustainable E-Mobility)



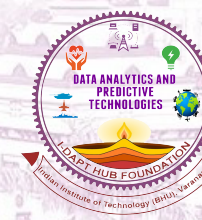
Amit Bhatt, Managing Director, International Council on Clean Transportation, (Expertise: Data-Driven Policies for Emission Reduction)

Short-Term Course on Advanced Data Analytics and Cyber-Physical Systems for Urban Mobility

March 13-17, 2023

At

**Indian Institute of Technology (BHU),
Varanasi**



Supported by

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

Under

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

THEME OF SHORT-TERM COURSE

"Advanced Data Analytics and Cyber-Physical Systems for Urban Mobility" is a one-week event that covers invited lectures from experts and hands-on workshops emerging areas of urban transportation planning. The course comprises topics (1) transit planning and operation, (2) urban freight and logistics, (3) inland water transport, (4) travel demand and behavior modelling, (5) electric and clean urban mobility, (6) emergency response planning. The hands-on workshops will cover cross-cutting themes such as AI and ML for transport data analytics, optimization for public systems, and behavioral modelling for urban travellers. The event will provide an excellent platform to keep up with cutting-edge techniques in smart city development, green energy transition, logistics planning, and public transport revitalization in India. We cordially invite you to register for the event.

INDIAN INSTITUTE OF TECHNOLOGY (BHU)

Indian Institute of Technology (BHU) Varanasi is an Institute of national importance created by an Act of the Parliament through the Institutes of Technology (Amendment) Act, 2012. Previously, it was known as IT, BHU. Founded in 1919 as the Banaras Engineering College, it became the Institute of Technology, Banaras Hindu University, in 1968. IIT (BHU) Varanasi has 14 departments and 3 interdisciplinary schools. Over the years, IIT(BHU) Varanasi has been carrying out advanced research and has been equipped with state-of-the-art engineering and scientific instruments for knowledge creation.



ELIGIBILITY

The short-term course is open mainly to faculties, industry professionals, post-doctoral researchers, Ph.D., MTech, B.Tech. and other undergraduate students, etc.

REGISTRATION FEE

For In-person participation (Inclusive of 18% GST)

For students: INR 1180 (Early-bird), INR 2360 (Regular)

For faculty: INR 3540 (Early-bird), INR 4720 (Regular)

For Industry: INR 5900 (Early-bird), INR 7080 (Regular)

For Online participation (Inclusive of 18% GST)

For students: INR 590 (Early-bird), INR 1180 (Regular)

For faculty: INR 1180 (Early-bird), INR 2360 (Regular)

For Industry: INR 3540 (Early-bird), INR 4720 (Regular)

Payment Methods

(i) Demand draft in favor of I-DAPT-HUB-FOUNDATION
2 Payable at SBI, IIT(BHU) Varanasi.

(ii) For online payment

Branch: SBI, IIT (BHU) Varanasi
Bank Name: State Bank of India
IFSC Code: SBIN0011445
Name: I-DAPT-HUB-FOUNDATION 2
Account No: 40298890505
Account type: Current

Note: Mention payment details in the registration form

IMPORTANT DATES

Opening of Registration: 05 February 2023

Early-bird Registration Deadline: 20 February 2023

Last Date of Registration: 10 March 2023

CONTACT

Dr. Agnivesh P, Department of Civil Engineering, IIT (BHU) Varanasi, Email - agnivesh.civ@iitbhu.ac.in

Dr. Ankit Gupta, Department of Civil Engineering, IIT (BHU) Varanasi, Email - ankit.civ@iitbhu.ac.in

Advanced Data Analytics and Cyber-Physical Systems for Urban Mobility

March 13-17, 2023

Registration form

1. Name (in block letters):
2. Gender:
3. Designation:
4. Organization:
5. Address for communication with mobile number and e-mail:

Pin: Mobile. No:
Fax no: E-mail:

6. Academic Qualifications:
7. How is this participation useful for you
8. Payment details (DD Number/online payment reference with amount and date):

Place: Signature of the applicant
Date:

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

Soft-copy of this form may also be emailed to the coordinators

Course mode is hybrid and the decision about in-person participation is made by the course coordinators and organizing committee.