

Short-Term Course on

Advanced Data Analytics and Cyber-Physical Systems for Urban Mobility



I-DAPT Hub



IIT BHU

**13th to 17th
March 2023**

In Hybrid Mode
*(Both Online and In-Person
participation is possible)*

Department of Civil Engineering,
Indian Institute of Technology (BHU),
Varanasi, India

**I.
Topics to be
Covered:**



**Transit planning and
operations**



**Urban freight and
logistics**



**Inland water transport
planning**



**Travel demand and
behavior modelling**

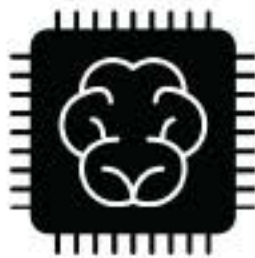


**Electric and clean
urban mobility**



**Emergency
response systems
planning**

**II.
Hands-on
Workshops:**



**AI and ML for transport
data analytics**



**Optimization of public
systems**



**Behavioral modelling
of urban travellers**

III. Course Highlights:



One-on-One interaction with renowned academicians and industry leaders in the urban mobility ecosystem



Gain industry-relevant knowledge via experience-sharing sessions by industry professionals and hands-on training sessions



Elevate your career and excel in your jobs/internships in urban transportation domain and an opportunity to learn about new career paths



Real-world case study discussions of leading professionals from industries of transit planning and transportation planning



International best practices in urban freight and logistics based on use-cases from Austria, France, Sweden and India



Course certificate from IIT (BHU)



Availability of lecture recordings for one week after the program (Only for registered participants)



Lecture slides and supplementary materials after each sessions

IV. Course Coordinators:



Dr. Agnivesh Pani
Asst. Professor, Department
of Civil Engineering,
IIT (BHU) Varanasi, India



Dr. Ankit Gupta
Assoc. Professor, Department
of Civil Engineering,
IIT (BHU) Varanasi, India

V. Key Speakers:



Dr. Abhishek Dubey
Assoc. Professor, Department
of Computer Science,
Vanderbilt University, USA



Laghu Parashar
Senior Transport Specialist,
World Bank



Dr. Varun Varghese
Asst. Professor,
Hiroshima University, Japan



Dr. Lelitha Vanajakshy
Professor, Department
of Civil Engineering,
IIT Madras, India



Dr. Lisa-Maria Putz-Egger
Professor, Sustainable Transport
University of Applied Sciences
Upper Austria



Dr. Ivan Sanchez-Diaz
Assoc. Professor, Division of
Service Management and Logistics,
Chalmers University of
Technology, Sweden



Dr. Rajesh Krishnan
CEO, ITS Planners and
Engineers, India



Dr. Sabya Mishra
Professor, Department
of Civil Engineering,
University of Memphis, USA



Dr. Jesus Gonzalez-Feliu
Professor, Department
of Supply Chain,
La Rochelle Business School, France



Dr. Amit Bhatt
Managing Director, International
Council on Clean Transport (ICCT)



G P Hari

Ex - Additional General Manager,
Kochi Metro



Sivasubramaniam Jayaraman

National Lead
Transport Systems & Electric Mobility,
Senior Programme Manager, ITDP



Dr. Ayan Mukhopadhyay

Research Scientist, Department
of Computer Science,
Vanderbilt University, USA

VI.
Target
Audience:



**Smart City Project
Stakeholders and Urban
Mobility Professionals**



**Academicians,
Research Scholars and
Students**



**Industry/Startup
Professionals and
Policy-makers**

VII.
Course
Structure:

- 9.00 AM – 6.00 PM IST || Monday to Friday (13th - 17th March 2023)
- 40+ Hours Course || 21 Sessions (1.5 Hours/Session)
- **Hybrid mode** participation – In-person event in **ABLT Hall, IIT(BHU), Varanasi** and Online participants can attend through **Cisco Webex** (Links will be shared for registered participants)

VIII. Patron:

IX. Registration Details:

Prof. Pramod Kumar Jain

Director, IIT BHU

Category of In-Person Participation	Early Bird Registration	Regular Registration
Students	1000 /-	2000 /-
Academic / Research	3000 /-	4000 /-
Industry or Government	5000 /-	6000 /-

Category of Online Participation	Early Bird Registration	Regular Registration
Students	500 /-	1000 /-
Academic / Research	1000 /-	2000 /-
Industry or Government	3000 /-	6000 /-

All figures in INR

NOTE :

- 18% GST extra will be applicable for each registration category.
For example, registration fee for students(Online) will be $500 + 18\% \text{ GST (ie., 90)} = 590 /-$
- For all international participants, a flat registration fee of \$100 will be applicable (for developing nations) and \$200 will be applicable for developed countries (Online Participation)
- Accommodation Details for In-Person Participants**
Suitable accommodation and food arrangements will be made arranged for all in-person participants attending the short-term course by coming to Varanasi.

For any travel information or any help during your stay, please feel free to reach out to us. We are looking forward to hosting you in our beautiful campus!

Varanasi

is calling you

Witness and envision the future of the Public Transport in Varanasi, the oldest city inhabited by mankind.



Scan now
to register

