

ORGANIZING TEAM

Patron and Advisor

Prof. Pramod K Jain, Director, IIT (BHU)

Chairman

Prof. Rajiv Prakash, Dean (R&D) IIT (BHU)

Organizing Secretary

Dr. Abhisek Mudgal

Department of Civil Engineering
IIT (BHU) Varanasi







Organizing Committee

Prof. P.K Roy; Prof. Vikash Dubey;
Dr. R. K Singh; Dr. N.S. Rajput

NM-ICPS and IDAPT

The National Mission on 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 a impetus to Indian manufacturing 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 socio-technical systems and services. 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 namely **Telecommunications, Power, Road Transport and Highways, Defense Research and Development, and Health and Family Welfare** have been identified under IDAPT. The endeavor shall catalyze the creation of skilled young engineers, researchers, technicians, and entrepreneurs, together with 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

	Prof. Lelitha Devi V Professor Civil Engineering IIT Madras
	Dr. Ashish Verma Associate Professor Civil Engineering, IISc Bangalore
	Dr. Nagendra Rao Velaga Associate Professor Civil Engineering, IIT Bombay
	Dr. Tarun Rambha Assistant Professor Civil Engineering, IISc
	Dr. Digvijay Pawar Assistant Professor Civil Engineering, IIT Hyderabad
	Dr. Pranamesh Chakraborty Assistant Professor Civil Engineering, IIT Kanpur

Other experts will also join as speakers.

Data Analytics and Predictive Technology for Intelligent Transportation Systems

(DAPT-ITS)

Online Short-term Course

March 15-19, 2021

Hosted by



Supported by

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

COURSE THEME

Data Analytics and Predictive Technology for Intelligent Transportation Systems (ITS) is a five days online course that includes invited lectures and tutorials pertaining to a wide range of topics intersecting ITS and Data Analytics. Attendees would be able to better understand the relevant tools and technologies and how they are integrated in a complete ITS solution. The topic would range from Data Science, Optimizations, Traffic Engineering and Data Analytics, Modelling and Prediction, Machine Learning Techniques, Sensors for ITS applications, and Case Studies demonstrating the power of Data Analytics and Prediction in ITS. The course will also include tutorial and quizzes.

CERTIFICATE

E-Certificate will be provided to Attendees

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 IIT, 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 inter-disciplinary schools. IIT(BHU) Varanasi has been able to build up the necessary infrastructure for carrying out advanced research and has been equipped with state-of-the-art engineering and scientific instruments. The city of Varanasi is well connected by road, rail and air with all the important places of India. Regular flights are there from Varanasi to Delhi, Mumbai, Chennai, Bangalore, Kolkata, Khajuraho and Lucknow. The IIT(BHU) campus is only 10 Km from Varanasi railway station, 20 Km from Deen Dayal Updhyay (old name Mughalsarai) railway station and 35 Km from the Varanasi airport.

ELIGIBILITY

The conference is open to faculty members, transportation and highway engineers and consultants, scientists, research scholar, and students perusing B.Tech./M.Tech in Civil Engineering Computer Science or Data Analytics.

REGISTRATION FEE

- **For faculty, scientist and post doctoral fellow:** Rs. 1000/- (non-refundable)
- **Industry:** 4000/- (non-refundable)
- **For UG and PG students :** Rs. 500 (refundable)

Payment may be made by one of the following methods:

- 1) Demand draft In favor of I-DAPT-HUB-FOUNDATION Payable at SBI, IIT(BHU), Varanasi.
- 2) Online payment to:
Branch: SBI, IIT(BHU) Varanasi
IFSC Code: **SBIN0011445**
Name: I-DAPT-HUB-FOUNDATION
Account No: **39818711510**

Note: Please *Mention payment details in the registration form*

IMPORTANT DATES

Opening of Registration: **February 23, 2021 (Tue)**
Last Date of Registration: **March 9, 2021 (Tue)**

CONTACT

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Data Analytics and Predictive Technology for Intelligent Transportation Systems

March 15-19, 2021

REGISTRATION FORM

1. Name (in block letters):
2. Designation:
3. Organization:
4. Mailing Address:

Pin:

Mobile. No:

Fax no:

E-mail:

5. Academic Qualifications:

6. What is the relevance of this course in your academic/professional life?

7. Payment details (DD Number/Online payment reference with amount and date):

Place:

Date:

Signature of the applicant

NOTE

- Please send the soft copy of the completed form to abhisek.civ@iitbhu.ac.in and CC iitbhu.dapt.transport@gmail.com, mentioning "DAPT-ITS" in the subject line by March 9, 2021
- Photocopy of the form may also be used.
- The decision about the final selection is by course convener/organizing committee. List of selected participants will be informed by March 11, 2021
- E-Certificate will be provided to Attendees