



Indian Institute of Technology Patna (R&D Unit: Smart-City Research Group)



Workshop

SMART-CITY: INNOVATIVE TECHNOLOGIES September 16-18, 2021

Coordinators

Dr. Rajiv Misra, IIT Patna
Dr. Vaibhav Singhal, IIT Patna

Important Dates

Workshop dates: Sept. 16-18, 2021

Last date of Registration & Payment: 12th Sept, 2021

Confirmation and Invitation link : 14th Sept, 2021

WORKSHOP DESCRIPTION AND CONTENT

- Overview of Smart Cities
- Innovative Smart Cities Technologies
- Smart Cities Challenges and future trends
- Smart Utility
- Wireless and Wireline communications
- Sensors for Industrial Applications
- IoT Systems and innovations
- Smart-city: Predictive Analytics
- Smart-city: AI , Machine Learning
- Smart-city: innovations in IoT, Fog and Edge

OBJECTIVE

Provide fundamental knowledge on Smart Cities technologies and infrastructure, deliver insights about key areas for Smart Cities technologies, provide detailed insight to Waste Management System, Crisis Response System, Real Time Information, Traffic Monitoring, Health Monitoring of Structures and Smart Energy Systems, Smart Cities Challenges and Urban Deterioration. Provide deep understanding of Smart Cities technologies including IoT Technologies, Renewable Solar and Wind technologies, Smart-Grids, advanced technologies for automation and Cloud Computing.

BROAD SCOPE

The main objective of this workshop is to provide know-how of innovative technologies for Smart-city services and application using IoT/AI/ML for next-generation innovations of industry-scale problems. The topics will focus on applications to benefit society using innovative technologies for people from practioners, professionals, engineers, industry and academic/research communities associated with the multi-disciplines of Civil, Computer Science, Electrical, and Electronics etc.

ORGANIZING COMMITTEE

Prof. Pramod K Jain	Director IIT Patna
Dr. Jawar Singh	Associate Dean R&D
Dr. Rajiv Misra	Coordinator
Dr. Vaibhav Singhal	Coordinator

TARGET AUDIENCE

The workshop is suitable for Startups, Professionals, NGOs, Engineers/Scientists, Govt. officers, Faculty members interested in the technologies for Smart-City services and industrial applications using IoT/AI/ML for advance potential applications.

WORKSHOP FEE

The participation fees Rs 10,000/- for the workshop will be accepted only through e-transfer/RTGS/NEFT.

The course fee will cover lecture notes, refreshments and lunch during the lectures. Board, lodging and travel charges will have to be borne by the participants. Participants who successfully complete the course will be awarded a certificate. The fee is payable in advance or via online transfer at the account details given in below:

For Electronic Payment:

Account Name: Indian Institute of Technology Patna
Account No. 30957551934
Branch & Bank: IIT Bihta, State Bank of India
IFSC: SBIN0017164

REGISTRATION LINK

Registration can be completed online.

Registration link: <https://forms.gle/9ASX7bvHp1dnQCiu9>

For any query please write to:

rajivm@iitp.ac.in, singhal@iitp.ac.in