



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



**Workshop
Smart-City: Innovative Technologies
July 10-12, 2021**

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

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 about 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, Insights to Smart Cities Challenges and urban Deterioration, Provide deep understanding of Smart Cities technologies including IoT Technologies, renewable solar and wind technologies, smartgrids, advanced technologies for distribution 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

Workshop (R&D Section IITP)

**Prof Pramod K Jain Director IIT Patna
Dr Sriparna Saha ADean 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.

Fee Payment

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

Details for Online Payments

**Name of the Account: Registrar, IIT Patna
Account No.: 30957551934
IFSC Code: SBIN0017164
Bank: State Bank of India
Branch: IIT Patna, Bihta**

Registration Link

**registration, make the online payment as registration form requires the screen shot of online payment, date, and reference number <https://forms.gle/9ASX7bvHp1dnQCiu9>
An Electronic Certificate of participation from IIT Patna will be awarded to all participants after successful completion of the workshop.**