



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



Online Workshop

SMART-CITY: INNOVATIVE TECHNOLOGIES November 05-07, 2021

Coordinators

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

Important Dates

Workshop dates: Nov. 05-07, 2021

Last date of Registration & Payment: 01st Nov., 2021

Confirmation and Invitation link : 03rd Nov., 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 practitioner, professionals, engineers, industry and academic/research communities associated with the multi-disciplines of Civil, Computer Science, Electrical, and Electronics etc.

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.

TENTATIVE SCHEDULE

	Session 1	Session 2	Session 3
D1	Overview of Smart Cities	Smart Cities Challenges and future trends	AIOT for Smart Cities
D2	Climate Resilient Smart Cities	Health Monitoring of Structures	Intelligent Traffic Management System
D3	Smart Grid for Renewable Energy	EVs infrastructure for smart transport	App based Services for Smart Cities

WORKSHOP FEE

The participation fees Rs 4,000/-* for the workshop will be accepted only through e-transfer/RTGS/NEFT. (* for fee waivers/discounts for start-ups/group contact organizers)

Participants who successfully complete the workshop will be awarded a certificate. The fee can be paid online using the given SBI collect link. Kindly select "Smart-City: Innovative Technologies" in SBI collect module for payment.

SBI Collect:

<https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=1968961>

REGISTRATION LINK

Registration can be completed online.

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

For any query please write to:

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