



SMART CITY, GOVERNANCE AND DATA ANALYTICS

Venue:

College of Engineering Pune

Date:

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International Expert

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Registration details:

Register through GIAN Portal

www.gian.iitkgp.ac.in

Overview

Cities are centres of innovation and creativity, but they face great challenges from rapid urbanization, climate change and increasing pressure on city services like transport and healthcare. Smart cities are widely used seek to address these challenges and this concept is viewed as a one of solution for Indian cities to better cope with key challenges like physical infrastructure, energy transition, mobility and social innovation through extensive and effective use of technologies. There is now a need for new paradigms for cities' governance, knowledge creation and economic development, supported by technology, in every aspect of human life.

Objectives of the Course

- Identify and apply a systematic, strategic planning approach for developing implementation design of Smart Cities
- Building a knowledge base of the latest technological innovations, strategies, and policies being developed by industry and academia that are being deployed in cities
- To offer a better understanding of past experiences, design of infrastructure and the need of balancing top-down and bottom-up approaches in the smart city planning process.
- To give an overview of the emergence, structure, and strategies of digital, smart, and intelligent cities.

Course Modules

MODULE 1 : Intelligent Cities – Smart Cities: Concept and Definitions. Genesis of Intelligent Cities: Evolution of Innovation Systems

MODULE 2 : Genesis of Intelligent Cities: Evolution Of Digital Spaces. Structure of Intelligent Cities

MODULE 3 : Architectures of Spatial Intelligence of Cities. Innovation and Knowledge Functions of Intelligent Cities.

MODULE 4 : Typology and Key Strategies for Intelligent Cities. Strategic Planning for Intelligent Cities

MODULE 5 : Governance. Smart City Applications Design and Development

Who can attend?

Planners, Architects, Engineers, professionals from Industries, Faculties of planning, architecture and researchers from planning schools, IITs, NITs, SPAs, and professionals from government organizations, urban local bodies, research institutes and consultancy firms.

About the Organising Institute

College of Engineering, Pune (COEP) is a top-tier Institute in India that boasts a 160 year culture of academic excellence, scientific breakthroughs, and high-tech innovation. COEP is an autonomous engineering institute affiliated to Savitribai Phule Pune University in Pune, Maharashtra, India.

Registration fees:

Participants from Abroad :	\$ 1500
Academic Institution :	Rs. 2000
Government Organisation :	Rs. 10000
Industry Participant :	Rs. 15000
Students:	Rs. 1000

Participants in the training sessions will be asked to form five groups on 3rd day, which will prepare and present the grand lines of a smart city strategic plan. These groups will work on

- (1) analysis of context and challenges,
- (2) objectives and priorities setting,
- (3) design of an action plan, and
- (4) implementation,
- (5) governance and assessment metrics.

The trainees will become familiar with a strategic planning process, which integrates at each stage digital solutions (smart systems) with active communities, and innovation / learning institutions.