



One Week Professional Development Course (PDC) in Urban Informatics: Practice & Promise of Real Time City, March 04-08, 2019

Course Overview

Have you ever wondered if analytics and big data both can be useful in planning, managing, and transforming our cities into smart city? The vast amount of data being generated in and about cities creates both an opportunity and a dilemma for urban policymakers and planners. This course articulates the theoretical, practical, and pedagogical foundations for the fields of urban informatics and civic analytics and outlines the challenges to effectively applying big data and computational methods to urban management, policy, and planning. On one hand agenda of Smart & Intelligent Cities has been given impetus but even after a decade, there is big gap in application of ICT in urban planning and implementation. The course will investigate a number of qualitative and quantitative methods to measure and analyze urban spatial problems relevant to contemporary urban planning practice.

Participation Fees:

Academics & Industry Rs 3000/-
Students & Research scholar Rs 2000/-

Course Objectives: Course will provide candidates knowledge and resources to

1. Understand the implication of Artificial Intelligence in Smart City Planning & Management.
2. Appreciate the drivers of spatial & economic growth through data capture & analysis by IOT & machine learning.
3. Learn to evaluate the impact of Development policy on environment & Quality parameters with analytic tools.

Expected Participants:

- Planners, Architects, Geographers, Engineers, Policy Makers, Researchers from R&D Laboratories.
- Students at all Level B Tech, B Arch, B Planning, M planning, m Arch/ M. Tech, Ph D scholars.
- Faculty from Academic & Technical Institutes, University.
- From Industry, Practicing Planners & Developers, Town Planners, NGOs.

Module	9.30-12.30	1.30-4.30
Module A	Inauguration & Introduction of Course Back ground. Basic of Programming in Smart Cities	IOT application for climate change, air pollution, energy conservation, Transportation Solid Waste Management.
Module B	Infodiaries– how to access data on city level Utilities Urban Planning Expert	Policy in Implementation of Data Expert from National Informatics Centre Delhi
Module C	Emerging Data Initiatives: Data Analytics, Data Mining	Application Demonstration & Hands on Working By ICT Expert
Module D	Augmented Ingenious Smart Cities	IOT FOR Social Interaction, Crowd Sourcing
Module E	Urban Computing; Smart City	Discussion & Certificate Distribution

Faculty Coordinator:

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HOD, Arch & Planning
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Dr Vimlesh Kumar 09650081596

Patron

Prof B.P. Sharma, Hon VC
Shri. Bachhu Singh Registrar
Dr. Sweta Anand, Dean Acad.
Dr. Indu Uprety, Dean (SOE)

Subject Experts

Dr. Nirmita Mehrotra,
Dr Naved Rizvi,
Dr Vimlesh Kumar
Mr. Rajiv Saxena, NIC

Organizing Committee

Ar. Anant P Singh
Ar. Madhuri Agarwal
Ar. Sawan Kumar
Ar. Akanksha Singh

Venue: Deptt. of Architecture & Planning (SOE), Gautam Buddha University, Gr. Noida