



School of Planning and Architecture, Vijayawada

Department of Planning

Name of Course: Smart Cites MPUR213

Programme & Sem:	Masters in Planning Semester II
Course Duration:	Jan 2 nd 2024 to April 19 th 2024.
Course Coordinator:	Ms. Aparna.D, Assistant Prof., Dept. of Planning
Number of Credits:	03
Subject Category:	Theory
Total Periods/Week:	03 (min. Attendance Requirement 75%)
Internal Assessment (IA):	50 (minimum pass marks 40%)
End Evaluation (EE):	50 (minimum pass marks 40%)
Total Marks:	100 (to be converted to CGPA credit pattern as per regulations)

Subject Objective: *To provide exposure to emerging concepts and issues concerning future and smart cites.*

Week	Lecture Topic	Session Mode	References / Suggested Readings
Week 1 5-1-24	Introduction to the course and course structure. City branding initiatives - Sustainable cities, eco-cities, green cities, digital cities.	Lecture Presentation	Deakin, Mark; Al Waer, Husam (Eds.) (2012), From Intelligent to Smart Cities, Routledge, Taylor & Francis, USA and Canada. SMART CITY Barcelona The Catalan Quest to Improve Future Urban Living , Antoni Vives (Aug 12, 2022)
Week 2 12-1-24	Intelligent cities, future cities, global cities and smart cities; Future cities; Smart City discourses	Lecture Presentation	Smart Cities: Introducing Digital Innovation to Cities (Oliver Gassmann, Jonas Böhm, Maximilian Palmié Emerald Group Jun 2019)
Week 3 19-1-24	Smart Cities: Introduction to Concepts.Elements or dimensions of a smart city - smart economy, smart mobility, smart environment.	Lecture Presentation	
Week 4 26-1-24	Holiday		
Week 5 & 6 2-2-24	Studio Site Visit Duration		

Week 7 17-2-24	Internal Assessment 1 – 10 Marks		
Week 8 23-2-24	Smart people, smart living, and smart governance; Smart City and Society City and Society: Social Processes as Agents of Change- Living, Working, Mobility, Public facilities, Open data.	Lecture Presentation	Smart Cities and Smart Tourism and Sharing Economy. Buhalis, D. Taheri, B., Rahimi, R. (2023)
Week 9 1-3-24	Internal Assessment 2 Mid-Semester (Written Exam) - Weightage 20 marks		
Week 10 8-3-24	Holiday		
Week 11 15-3-24	Information and Communication Technologies (ICTs) in developing smart cities;	Lecture Presentation	Manuel Pedro Rodriguez-Boliva (Eds.) (2015), Transforming City Governments for Successful Smart Cities, Springer International Publishing Switzerland.
Week 12 22-3-24	Smart Energy - smart buildings, smart transport, other related aspects for smart, inclusive and sustainable cities; Criticisms.	Lecture Presentation	
Week 13 29-3-24	Internal Assessment 3 - Weightage 20 marks		
Week 14 5-4-24	The Future of Urban Development and Smart Cities in India .The section focuses upon following latest developments relating to smart cities in India through reports, news paper articles and conferences.	Lecture and Reading Exercise	Roger L. Kemp, Carl J. Stephani (Eds.) (2013), Global Models of Urban Planning: Best Practices Outside the United States, Mcrarland, USA.
Week 15 12-4-24	Urban reforms and policies and capacity building proposed in India.	Lecture Presentation	
Week 15 19-4-24	Measuring Smartness : Toolkits, indexes and models developed to measure smartness; European Union smart cities.	Lecture Presentation Lecture Presentation	Stan Geertman, Joseph Ferreira, Jr., Robert Goodspeed, John Stillwell (Eds.) (2015), Planning Support Systems and Smart Cities, Springer International Publishing Switzerland.

Note:

1. Any other closed holidays as declared by SPAV shall supersede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. The reading lists provided is not exhaustive and is subject to addition – students are advised to follow the progression of class to keep abreast of the new reading lists, if any.