DEPARTMENT OF ARCHITECTURE
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
G. E. Road, Raipur, 492010 C. G
राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर,
जी. ई. रोड, रायपुर, 492010 छ.ग.

Phone: (0771) 2255475, Fax: (0771) 2254600, Website: nitrr.ac.in

Master of Technology (Urban Planning)
Semester-III

1.	Department proposing the course	Architecture and Planning
2.	Course Title	**Advance Planning Techniques**
3.	L-T-P Structure	3-0-0
4.	Credits/# of period	3

5.	Course Syllabus:
	Unit-1: Advance Planning Theory
	    a. Spacing and Entropy Settlement Systems
	    b. Identification of Central Place Functions
	    c. Behaviors of Settlement Systems
	Unit-2: Planning Process
	    a. Developing Aims, Objectives, Scope, and Limitations
	    b. Literature Research- using Library, Internet
	    c. Variable Identification and Data Collection
	Unit-3: Urban Planning Research
	    a. Approaches and Methodologies in Urban Planning Research
	    b. Questionnaire Design
	    c. Data Compilation and Interpretation of Information
	Unit-4: Mapping Techniques
	    a. Data Structure and Modelling
	    b. Buffer, Proximity and Overlay Analyses
	    c. Land Information Systems, Urban Information Systems for various activity sectors
	Unit-5: Case Studies
	    a. Case studies of best practices in Urban Planning in India
	    b. Case studies of best practices in Urban Planning in Abroad		

6.	References: - i. Rao, M.P., (2005), Urban Planning, Theory and Practice, CBS Publishers ii. Hall, P. & Tewder-Jones, M., (2011), Urban and Regional Planning, Routledge, New York iii. Bandyopadhyay, A., (2000), Textbook of Town Planning, Books and Allied (P) Ltd. iv. Gallion, A. B., Eisner, S., & Stoner, A., (1963), The urban pattern: city planning and design (p. 55), New York: Van Nostrand. v. Urban and Regional Development Plan Formulation and Implementation (URDPFI) Guidelines (2014), Ministry of Housing and Urban Affairs, GoI vi. ITPI Reader and Reference Materials. vii. Robert, M., (1974), A introduction to town planning techniques, Hutchinson Educational, University of California		

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Master of Technology (Urban Planning)
Semester-III

1.	Department proposing the course	Architecture and Planning
2.	Course Title	**Comprehensive Viva**
3.	L-T-P Structure	0-0-0
4.	Credits/# of period	3
5.	Course Syllabus	

Course Syllabus

The Comprehensive Viva-voce Examination shall be conducted on the knowledge gained through all the subjects taught in all the semesters of M. Tech. (Urban Planning.) The examination will be conducted in form of oral viva by a duly formed Examination board.

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Master of Technology (Urban Planning)
Semester-III

1.	Department proposing the course	Architecture and Planning
2.	Course Title	**Preliminary Work on Dissertation**
3.	L-T-P Structure	0-0-20
4.	Credits/# of period	10
5.	**Course Syllabus:**	

Course Syllabus:

The students, in this semester, are expected finalize the area of their thesis along with their guides as appointed by the Department. In connection to this, they are required to do the necessary literature survey, prepare necessary documents for conducting primary survey/secondary data collection.

The progress of the work throughout the semester shall be continuously assessed by reviews as scheduled by the Department. The overall progress of the works are to be submitted in the form of 'Dissertation Report' in the format as declared by the Department time-to-time. The final evaluation of the preliminary work on dissertation shall be done in the form of viva-voce examination at the end of the semester by a viva-voce board.