



योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education, Govt. of India

Department of Planning,
Lecture Plan, Odd Semester, AY 2024-25

Name of Course: Planning Techniques (PLN212)

Programme & Sem: **Bachelor of Planning (UG), Semester Three**
Course Duration: July 22, 2024 to November 14, 2024
Course Coordinator: Prasanth Vardhan P, Dr., Assoc. Prof., Dept. of Planning (prasanth@spav.ac.in)
Number of Credits: 03
Subject Category: TC
Total Periods/Week: 03
Internal Assessment: 50 (minimum pass marks 40%)
End Evaluation: 50 (minimum pass marks 40%) – Written Exam.
Total Marks: 100 (to be converted to CGPA credit pattern as per regulations)

Subject Objective: To develop proficiency in applying techniques of analysis in planning exercises

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode	References / Suggested Readings
Week 1 (starting July 22)	Data, Aggregation, Level of Measurement, Data Analysis.	Lecture	1. Census of India, 'Catalogue Census Products Released' & 'Data Summary'. Office of the Registrar General, India. 2009; 2011. (CATALOGUE)
Week 2 (starting July 29)	Population and Models Parameters for Study of Population Characteristics		
Week 3 (starting August 05)	Techniques of Population Projections: Population Accounting	Lecture	2. MoPR, Rural Area Development Plan Formulation and Implementation Guidelines, 2021. Government of India. (GUIDELINES)
		Lecture	
Week 4 (starting August 12)	Employment Analysis Employment mobility and analysis of distribution	Lecture	3. Ministry of Urban Development & Town and Country Planning Organisation. 'Urban and Regional Development Plans Formulation and Implementation (URDPFI) Guidelines'. Volume-1. 2015. (GUIDELINES)
Week 5 (starting August 19)	Internal Assignment – 1 (30% weightage of Total IA) Employment Analysis Basic and Secondary Employment; Multiplier Analysis	Assignment/Exam	4. Wang, X. & Hofe, Rainer, V., 'Research Methods in Urban and Regional Planning'. Springer. 2007. (Chap 3,4 &5) (BOOK)
		Lecture	5. Sharma, Rajendra, K., 'Demography and Population Problems'. Atlantic Publishing House. 2004. (BOOK)
Week 6 & 7 (Starting August 27 to September 08)	Field Visits (Planning Studios)		
Week 8 (starting September 09)	Input-Output Analysis Multi-sector input-output modelling; Formulation of	Lecture	6. Wang, X. & Hofe, Rainer, V., 'Research Methods in Urban and Regional Planning'. Springer.



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	contingency tables		2007. (Chap 3,4 &5) (BOOK)
Week 9 (starting September 16)	Mid Semester Examinations for Odd Semester of A.Y.2024-25 (40% of IA) – Close book examination		
Week 10 (starting September 23)	Input and Output factor analysis		Reference 6.0
Week 11 (starting September 30)	Cost-Benefit Analysis Identification of direct and indirect costs and benefits		7. Sachitanandan, A.N., 'Reading Material on Project Formulation and Appraisal'. IPTI. 2004. (READING MATERIAL) 8. Wang, X. & Hofe, Rainer, V., 'Research Methods in Urban and Regional Planning'. Springer. 2007.
Week 12 (starting October 07) Week 13 (starting October 14)	Social costs and benefits Present value, future worth	Lecture	
Week 14 (starting October 21)	Discount and compound factors using formulas and standard tables; Introduction to SWOT	Lecture	
Week 15 (starting October 28)	Special Lecture & Internal Assessment – III (30% of IA), Assignment/Exam		
Week 16 (starting November 04)	Delineation Techniques Gravity Model	Lecture	9. Ministry of Urban Development & Town and Country Planning Organisation. 'Urban and Regional Development Plans Formulation and Implementation (URDPFI) Guidelines'. Volume-1. 2015. (GUIDELINES)
Week 17 (starting November 11)	Centographic Technique Distance functions	Lecture	

Note:

1. Any other closed holidays as declared by SPAV shall supercede 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. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists, if any.