



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

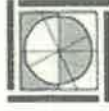
Name of Course: B. Planning

Subject Name:	Computer Applications in Planning (PLN112)
Year & Sem:	I Yr, 1st Sem
Course Duration:	16th August to 2nd November 2024
Course Coordinator:	Ekta
Number of Credits:	3
Subject Category:	JC
Total Periods/Week:	3
Internal Assessment	50
End Evaluation	50
Total Marks	100
Total No. of Internal Assessment & Mode	3- assignment, practical

Subject Objective: To develop proficiency in the use of basic software and application in physical planning

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Unit and Assignment
Week 1	Basics of Word, working on layouts, document elements, tables, charts	Unit I Working with Word and Spread Sheet Packages Assessment 1: Assignment (10 marks)
Week 2	referencing, index, referencing and standards	
Week 3	Preparation of reports; Working on digital presentations, slide designs and sequence	
Week 4	Spreadsheets, tables, import and export of graphics, working on charts, analysis, tools and formulas, pivot and macros, advanced analysis in spreadsheets.	
14-22 September Week 5	Field Trip	
Week 6	Introduction to database management systems; Information systems in planning discipline, NIUS,	Unit II Data Base Management
1-7 October- Week 7	Mid- Semester Assessment week	Practical + Assignment= 20 marks to be conducted for the topics covered to date
Week 8	National Spatial Data Management Systems, National Urban Information Systems, ENVIS, NIC, etc.	Unit II Data Base Management

Ekta



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Week 9-10	Need for automated design and drafting, tools for computerised designs and drafting, elements of spatial data in CADD, basic commands in CADD	Unit III Introduction to Computer Aided Drafting & Design (CADD) Software
Week 11-12	Move, scale, copy, offset, change, trim, extend, mirror, divide, measure, array, break, hatch, block, zoom, regen, view, pan, fonts, etc.;	Unit IV Editing and Controlling Display in CADD
Week 13	Special Lecture	
Week 14	Common errors in scaling, printing, exporting and importing drawings; Creating non-printed output, exporting to dwf, pdf, jpeg, sending electronic transmittal sets, exporting a model to a 3D dwf; Print and plot concepts.	Unit V Application of Software in Planning Discipline Assessment 3 (Unit III+IV+V)= 20 marks assignment
Week 15	Introduction to CAD drawings, photo editing, audio and visual editing software and statistical tools; Application of these tools in planning discipline and e-governance.	
2nd Dec end of class work (Week 16)	Revision	

Reference:

1. Word - Fundamentals, IT Training St. George's, University of London
2. Sandy Stachowiak(2018) The Beginner's Guide to Microsoft Excel
3. Douglas, Seidler R (2007), Digital Drawing for Designers — A Visual Guide to AutoCAD, Firchild Publications,Inc., New York.
4. Lillesand, T., Kiefer, W (2015), Remote Sensing and Image Interpretation, John Wiley & Sons Inc. New York.
5. Ministry of Housing and Urban Poverty Alleviation (2010), Guidelines for GIS Mapping. MIS Development

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. 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.