

Planning Communication			
Course Code	1BCTP107/207	CIE Marks	50
Teaching Hours/Week (L:T:P: S)	0:0 :2 : 0	Viva Marks	50
Total Hours of Pedagogy	24	Total Marks	100
Credits	1		
Course Learning objectives: Course Outcomes At the end of the course, the student will be able to: CO1: Interpret physical and cultural features represented in Survey of India (SOI) toposheets for planning purposes. CO2: Apply graphical methods and socio-economic data for analysis and interpretation in planning. CO3: Prepare and present site-level base maps using appropriate mapping techniques, scales, symbols and conventional representation			
Module-1			
The students are required to undertake practical exercises as follows: Grade of lines, free hand sketching of solids, cones, cubes, cylinders, spheres; Free hand sketch of various settlement elements – electric poles, street features, trees, shrubs, bus stop physical and natural features. Number of Hours: 08			
Module-2			
Interpretation of Toposheet: Conventional Signs and Colours, Scale and Measurements, Grid References, Relief and Slopes, Drainage and Settlement Patterns, Land Use and Transportation, Toposheet Analysis for Planning. Practical: Interpretation and analysis of a selected Survey of India (SOI) Toposheet Number of Hours: 08			
Module-3			

Use of Graphical methods in Planning:

Introduction, Basic of Microsoft Excel, Features of Microsoft Excel, Understanding Microsoft Excel Basic Function, Preparation of tables and charts; Interpreting statistical, qualitative; Understanding various graph and area of application in Planning, Principles and importance of graphical representation in planning.

Case Study: Bar graphs, line graphs, pie charts, histograms and frequency diagrams; representation of population, demographic, land-use and transportation data; flow and movement diagrams; population pyramids; comparative and proportional diagrams; and preparation and interpretation of graphical methods for planning analysis.

Hours: 06

Number of

Module-4

Introduction to Maps: Definition, purpose, types and classification of maps and their applications in planning.

Essentials of Map Making: Scale, direction, projection, coordinates, grid, legend, symbols, title, north arrow, source and map layout.

Contents of Base Maps: Administrative boundaries, transportation networks, settlements, buildings, drainage, water bodies, contours, vegetation, landmarks, public facilities and existing land use.

Base Maps at Various Levels: Preparation and application of base maps at regional, district, city/town, neighbourhood and site levels with appropriate scale, detail and content

Number of Hours: 06

Module-5

Preparation of Base Map at Site Level: Selection of scale; collection and compilation of site data; representation of site and plot boundaries, buildings, roads, circulation, drainage, vegetation, open spaces and landmarks; preparation and presentation of site-level base maps using appropriate symbols, scale, north arrow, grid and legend.

Hours: 12

Number of

Suggested Learning Resources: (Textbook/ Reference Book/ Manuals):**Reference books:**

1. Site Analysis, T. Q. Edward, Architectural Media, 1983
2. Site Analysis, A. James and La Gro Jr., Jon Wiley and Sons, 2013
3. Key Concepts in Planning, Gavin Parker, Sage, New Delhi, 2012
4. Concept Mapping for Planning and Evaluation, Mary Kane and William M. K. Trochim, Oxford University Press

Assessment Structure:

The assessment in each course is divided equally between Continuous Internal Evaluation (CIE) and the Semester End Examination (SEE), with each carrying 50% weightage.

- To qualify and become eligible to appear for SEE, in the CIE, a student must score at least **40% of 50 marks, i.e., 20 marks.**

- To pass the **SEE**, a student must score at least **35% of 50 marks, i.e., 18 marks**. Notwithstanding the above, a student is considered to have **passed the course**, provided the combined total of **CIE and SEE is at least 40 out of 100 marks**.

Semester End Examination (Viva voce):

1. The student needs to submit his/her report done for Planning Studio 1, including the data collection for the Viva examination, at least one day prior to the Viva examination to the PG/UG course coordinator/HOD/Special officer.
2. The Viva-voce will be evaluated by one external examiner appointed by the University along with one internal examiner appointed by the Department.
3. The viva-voce marks list generated is to be signed by both internal and external examiners and submitted to VTU in the sealed cover through the principal of the institution.
4. The viva-voce marks awarded for Planning Studio, shall be based on the evaluation of report submission, presentation skill and performance in question-and-answer session in the ratio 30:10:10

Course outcome (Course Skill Set)

At the end of the course the student will be able to:

Sl. No.	Description	Blooms Level
CO1	Analyse and interpret physical and cultural features represented in Survey of India (SOI) toposheets for planning purposes	L4
CO2	Apply scale, conventional signs, colours, grid references and other map elements for interpretation and preparation of planning maps.	L3
CO3	Analyse and evaluate socio-economic and planning data using appropriate graphical methods for planning interpretation..	L4
CO4	Apply the principles and essentials of map making to prepare maps at different levels of planning.	L3
CO5	Create and present site-level base maps incorporating physical, cultural, land-use, transportation and other relevant planning features.	L6