

Name of the Subject: Basic Architectural Design				
Subject Code: 1015505				
Aim: To study Spatial Aspect at Building Level.				
Objective:				
1. To study Anthropometrics and its Relationship with Building.				
2. To study various Space Standards, Expression of Built Mass through Plan.				
Pre-Requisites: --				
Contents				Hours
Unit -1	Anthropometrics, Layouts of Rooms and Circulations Anthropometrics, Human Activity and Space Use; Furniture Layout of a room; Building circulation/ flow diagrams;			12
Unit -2	Concepts of Space, Building Design and Space Utilization Concepts of Space, Form and Function; Factors and concepts related to building design -Climate, Site Characteristics, Land Form, Visual Elements, Behavioral Factors, Space Utilization;			20
Unit - 3	Space Standards Introduction to Space Standards, Preparation of Design Briefs; Design of simple Residential, Commercial, Institutional Buildings;			10
Unit - 4	Building Drawings Prepare Plans, Elevations, Sections; Measure Drawings of Simple Monumental / Contemporary Buildings; Appreciation of simple Buildings and Drawings;			12
Unit - 5	Rendering and Project Presentation Rendering of Drawings; Project presentation modes through physical models, oral, digital and manual sketches.			10
Text / Reference Books:				
S. No.	Name of Authors	Titles of the Book	Edition	Name of the Publisher
1.	Joseph De Chiara	Time Save Standards for Building Types	2nd (Latest)	McGraw Hill
2	D K Ching	Architecture : Form, Space and Order	3rd	John Wiley and Sons Inc, Hoboken, New Jersey.
3	Michael Crosbie, Donald Watson	Time Saver Standards for Architectural Design	8th	Mc-Graw Hill
4	Mike W Lin	Architectural Rendering Techniques: A Colour Reference	1985	John Wiley and Sons Inc, Hoboken, New Jersey.
List of Exercises / Practicals:				

1	Visit to office of CPWD / PWD or Leading Architectural / Engineering Firm and submit Report.			
List of Assignments/ Seminar :				
1	Test on Unit 1 and Unit 2.			
2.	Assignments on Unit 3 or Unit 4 or Unit 5			
Name of the Subject: Planning and Design Lab I (Graphics and Presentation Techniques)				
Subject Code: 1015507				
Aim: To study Skills of Graphical Presentation and Drafting.				
Objective:				
1.	To study various Equipments for Graphical and Visual Presentation.			
2.	To study Scales, and various Projections such as Orthographic, Isometric, and Perspective.			
Pre-Requisites: --				
Contents				Hours
Unit -1	Drawing Equipments and Mediums Introduction to drawing equipments and mediums, Importance of graphics and visual presentations;			11
Unit -2	Shapes and Forms Use of points, lines, polygons; Horizontal, vertical, diagonal, curved lines; Line thicknesses and intensities; Texture, color and tone in materials and graphics; Shapes and forms;			33
Unit - 3	Concepts of Scales and Proportions Sketching of human figures, activities, natural and man-made elements; Concept of scales and proportions; Graphic scales; Free hand lettering; <i>Jalipatterns</i> ;			55
Unit - 4	Perspective Projections Orthographic, isometric and perspective projections of one, two and three dimensional objects;			55
Unit - 5	Appreciation and Presentation Appreciation and design of Logo and Insignia of geometric merits and format of presentation drawings			22
Text / Reference Books:				
S. No.	Name of Authors	Titles of the Book	Edition	Name of the Publisher
1.	Alan Jeffris and David A Madsen	Architectural Drafting and Design	5th Edition	Thomson Delmar Learnig, New York
2.	Robert W. Gill	Rendering with Pen and Ink	Revised Edition	Thames and Hudson
3.	Robert W. Gill	Creative Perspective	1979	Thames and Hudson

4.	Bally Meeda, Neil Parkyn and David Stuart Walton	Graphics for Urban Design	2007	Thomas Telford Publishing London
List of Exercises / Practicals: As given in Unit 1 to Unit 5.				
List of Assignments: As given in Unit 1 to Unit 5.				