

GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for B.Arch

THIRD SEMESTER

SUBJECT NAME: Arch Design-III

SUBJECT CODE: 1035001

Focus:

- Human Scale, Space/Form and the design process.
- Small institutional projects of low complexity with focus on Spatial analysis and Multipurpose usage of spaces
- Study of Design principles of nature(Natural Objects) & its Application in Architecture
- Abstract concepts & ideas in design

Content:

- Human Scale: Concept of Scale & Proportions.
- Form : Elements of Form, various forms and their characteristics.
- Space: Elements of space making (Enclosure, and, openings) and exploring the principles of combination.
- Types of Spaces: Activity space, Circulation spaces, waiting spaces
- Movement & Linkages: Kinds and spatial values.
- Quality of Space: Effects of light, colour, material, texture, views.
- Design Process: Requirements/needs of project, site-analysis, activity and other areas and interrelationships, programming & ordering mechanisms, abstract concepts.
- Preparation of architectural design drawings and models. Site Visits, case studies.
- Observing and analysing design of natural objects including geometry pattern, texture, colour composition, solid-void relationships etc. Understanding its Structure and Composition of shapes and forms.
- Analysis of design principles and composition used in a manmade environment using space abstractions in two and three dimensions.
- Analysis of space using monochromatic or achromatic abstractions in Two Dimension.
- The design process and role of abstract concepts and ideas as an ordering mechanism to express ideas.
- Symbolism and communication, identity, character and image ability
- Exploring environmental qualities like light and colour, texture & scale and its usages in expressing design concepts.