

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA IN ARCHITECTURE

FOURTH SEMESTER SYLLABUS(W.E.F. JANUARY 2015)

SUBJECT NAME –DESIGN STUDIO IV

SUBJECT CODE – 3346201

FOCUS:

To understand the use of technologies developed in other fields as a precursor to creating architecture. The design shall deal with multiple functions resulting in complex form. The design shall be sensitive to the needs of disabled, aged people and children To understand creating of spaces. Formal, informal and interactive spaces and their hierarchies in built Environment.

Design emphasis shall also be laid on structural feasibility and use of innovations in materials and techniques of construction for achieving the thermal comfort and energy efficiency for a given context. The design shall be mainly addressing to the local issues and construction processes.

CONTENTS:

- Studio project shall include problems involving above considerations such as institutes, Residential schools, Shopping malls (medium size), Single function Sports Complex, medium rise buildings, apartments etc (G+3).
- One major project and one minor project and a time problem to be tackled in the semester. Detailing of architectural features of the major project has to be attempted
 - Study of various building techniques and planning methods adopted in building for achieving thermal comfort and energy efficiency.
 - Study of structural system adopted
 - Case study, data collection, literature survey
 - Design proposal including study model
 - Detailing of architectural features involved shall be attempted

SUGGESTED BOOKS

- Time Saver Standards for Architectural Design Data by John Hanock,
- Architectural Graphic Standard by Ramsay and Sleeper.
- Neufert Data Standards Ernst Neufert Archon Books
- Building Drawing Shah, Kale, Patki Tata Mcgraw Hill Publishing