

GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for B.Arch.

SIXTH SEMESTER (W.E.F. JANUARY 2015)

SUBJECT NAME: Arch Design-VI

SUBJECT CODE: 1065001

Focus: to familiarize the students with the drawings which are prepared for the actual construction / execution of the buildings.

Content:

- Execution drawing systems and methods. (for small scale Building)
- Trade literature, detailing methods, architectural working drawing.
- Choice of materials, fixtures, fittings, availability and constructional feasibility.
- Integration of building systems and services.
- Detailed drawings to include all components of building like doors, windows, lifts, staircases elevators etc.

Project:

Building drawings (of previously prepared design studio project) to be prepared as part of the contract documents with proper labeling and dimensioning techniques. Drawings shall include: plans, foundation plans, lay out plan showing different buildings, internal roads, water supply, sewerage including area drainage plan. Elevations of all sides and sections: transverse and longitudinal sections, sections through staircase lift and sanitary units.

Architectural details: scheduling of different finishes, doors, windows including hardware fixtures. Preparation of roof drainage systems layout, layout of sanitary and plumbing lines and scheduling the fixtures in toilets and kitchen etc. layout of electrical lines and fixtures.