

GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for M. Arch - 2019

THIRD SEMESTER

Subject: Sustainable Architecture Studio – III (High Tech Sustainable)

Course Code: X36101

Credits: 13

Course Objective: Design of Hi tech sustainable buildings

Course Contents:

The studio focus is design of vertical hi rise/ hi tech buildings. The studio seeks to address extreme problems like challenging environmental situations or extreme solutions for common problems like responsive façade. Studio intends to provide solutions through the novel use of technology, materials, programs, aesthetics, and spatial organizations, challenge and its relationship with the natural and built environments. Inspired from the theories of Peter Cook and Buckminster Fuller High Tech sustainability is to be explored in this studio.

References:

1. Eco-Tech Sustainable Architecture and High Technology by Catherine Slessor,
2. John Linden; The Architectural Expression of Environmental Control Systems by George Baird