

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN ARCHITECTURE

### SECOND SEMESTER(W.E.F. JANUARY 2014)

#### SUBJECT NAME –DESIGN STUDIO II

**SUBJECT CODE – 3326201**

#### **FOCUS:**

Learning and applying fundamentals of space, form and design methodology. To develop the ability to translate abstract principles of design into architectural solutions for simple problems. Understanding the relation between form and function. Understanding and applying the learning of anthropometry by making a model with furniture layout.

#### **CONTENTS:**

- Basic human functions and their implications for space requirements. Minimum and optimum areas for various functions. User's data, movement and circulation diagrams. Spatial interpretations – various activities and their relationship with spaces. Design methodology.
- Case study analysis of small volume buildings, analysis of form, function, clarity.
- Design of a Single volume building should be given from the following: Telephone booth, Food Kiosk, Milk booth, Watch man's cabin with compound gate, Bus Stop, Public Toilets, etc.
- 1 major and 1 minor exercise, along with time problem should be aimed for the semester. Any one project from the above to be given as Time Problem
- Site plans, design developments, final presentation drawings, models to be expected.

#### **SUGGESTED BOOKS**

- Architecture –Form, Space & Order by Francis D.K.Ching
- 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