

## **31266 - COMPUTER APPLICATIONS IN ARCHITECTURE - II**

### DETAIL SYLLABUS

#### **UNIT – I. PROJECT**

Any design problem done in 3rd / 4th / 5th semester as main project shall be taken up for preparing complete set of drawings, including all plans, elevations (Minimum 2) and sections (Minimum 1) showing all interior layouts, joinery schedule, tree plantations, parking layout etc. using Auto Cad.

#### **UNIT – II. FUNDAMENTALS OF 3D DRAFTING**

- Basic features
- Co-ordinate system
- 3D entities and surfaces

#### **UNIT – III. MAKING AN EXISTING 2D PLAN DRAWING COMPATIBLE TO 3D DRAFTING**

- Commands and modifications to 2D drawings
- 3D Poly, rectangle elevation, extrude – requirements and applications
- 3D of exterior of blocks – preparation, modification of 2D drawings
- 3D of interiors of block – preparation, modification of 2D drawings

#### **UNIT – IV. 3D MODELING**

- Wire frame, surface and 3D solid modeling
- Viewing 3D models
- Editing 3D objects
- Importing and exporting library

#### **UNIT – V RENDERING (Using 3D STUDIO MAX)**

- Rendering Techniques
- Material application

#### **SOFTWARE:**

Cadd software

3ds max