

## **Architectural Detailing and Representation:**

### **Course Outcomes (Semester 01, 02 and 03) :**

- to be able to effectively use the various kinds of drafting instruments
- to understand plane and solid geometry through orthography, plans, sections and elevations
- to understand objects, composition of the objects and assembly / reassembly of the same along with studio work culture, use of various instruments, joinery, exploration of materials and assembly.
- to have understood how to draw views in isometric, axonometric, and perspective along with sciography for the built form
- to have learnt landscape outdoor sketching, anatomy, ergonomics via visual practical exercises, model making and architectural design exercises
- to get an idea of scale and the various materials available for model making
- to be able to make neat models using various materials for various scales of design to be able to effectively represent their ideas in the third dimension

### **Course Outcomes (Semester 04) :**

- to study a brief history of land surveys executed by the government
- to be able to read survey maps, understanding features and undulation of ground
- being able to conduct various kinds of surveys like triangulation chain survey, transverse survey etc using the necessary instruments

### **Course Outcomes (Semester 05) :**

- to understand types of estimates, definition, aim and objectives, scope and importance of the subject with respect to practical application.
- to understand methods of estimation, rates of civil work items, calculation of quantities of civil works and preparation of abstract.
- to have an understanding of the importance of specifications in construction activities, correct order and sequence of drafting of specifications, types, language and organisation of project specification.

### **Course Outcomes (Semester 06) :**

- to understand the importance and correct methods of making working drawings for execution of framed structures.
- to gain knowledge and correct detailing for execution of various systems such as roofing systems, walling systems, vertical circulation, flooring systems, fenestration etc.
- to understand detailed specifications of various work items for a structure from excavation up to finishing of a super structure.

**Course Outcomes (Semester 07) :**

- to understand building bye-laws and regulations, their need and relevance, approval drawings.
- to study national building code, implications of DCR, calculations of built up area and FSI.
- to have basic understanding of the various drawings required for approvals from authorities based on the development control rules and bye laws.

**Course Outcomes (Semester 10) :**

- to be able to discern what details are essential in being able to adequately explain design for the dissertation project
- to be able to adequately represent details that are vital to their design dissertation in the form of technically correct and complete architectural drawings