

EMPHASIS:

- Overview of Building Industry
- Role of Designer in the scheme of overall building industry
- Exposure to various materials used in construction for different elements of building.
- To make students aware of the various elements and impart a basic knowledge and functioning of the various parts.
- Site Visits / sketches / write up of technical reports are considered essential at this stage
- Collect information regarding manufacturing qualities, varieties and uses.

CONTENTS:

- Introduction to materials - their physical and behavioral properties, methods and tools of application, criteria for selection of materials based on design etc.
- Materials: Mud, Bricks, Stone, Timber, Concrete, Steel, Bamboo.
- Visual quality of materials in terms of texture, colour, pattern etc.
- Rational choice for material selection - parameters of design aspects of using various materials in construction of different elements of construction system in relation to the properties of materials.
- Elements of Building (Cross section of a building - sub structure / super structure)
- Basic Terminology ; Basic elements of structure and their behaviour.