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| AR162 Architecture Detailing  | **L-T-P** **1-0-4** **2 credit**  |
| Objective : To enable the students to learn advanced construction detailing  |
| **Unit-1 (Architectural detailing of interior and experior finishes)** Architectural detailing of brick and concrete parapet, coping, cornices, string course, chajja, plinth course, plinth protection, treatment of sloped roof with tiles, plaster, paving; steps. Detailing of balconies and canopies, contemporary kitchen and toilet. Contemporary staircase including free standing staircase and details. Railing details for staircase, balcony and at roof with timber, metal and plastic etc. **Unit-2 (Wall paneling & partitions)** Stone, glazed tiles, earthen tiles & plastic tiles etc. Acoustic and thermo-insulating wall paneling with different materials. Suspended ceiling with different materials and finishing including fixing details of lighting fixtures and diffusers for ventilation and air-conditioning. Different types of resilient and vibration resistive floors. Partitions with timber, metal stone, PVC/plastic etc. Glass curtain walls, general introduction, types of fixing, weather protection, different materials and form of curtain panels. **Unit-3 (Special doors and windows)** Sliding, folding, revolving, swinging and rolling etc. with hardware details. Details of lift shaft and machine room, escalator, conveyor belts Shop front details. **Unit-4 (Layout detail of watersupply and sanitation)** Layout and details related to water supply, drainage and sanitation: a case study of a small residential building. Detailing of different building parts and elements to be coordinated with architectural design studio.  |
| Expected outcome : Developed understanding of advanced construction detailing  |