

## AR 394 **Building Construction-III** (3-O-3)

To acquaint the students with construction practices pertaining to framed RCC structures, understanding of Steel structures, foundation types and form work.

Advanced foundations-combined and eccentric footings, raft foundations, pile foundations, details of pile and pile cap.

Advanced doors and windows, heavy paneled moulded doors in timber, fully glazed sliding and folding doors and windows and bay windows, rolling shutters.

Arches and portals in R.C.C., steel and laminated timber construction

Curtain walls-curtain walls in glass, aluminium, precast concrete units etc.

Folded plates and barrel shells, hyperbolic, parabolic and domes in R.C.C.

Raking shore, flying shore, scaffolding, centering etc.