

## THIRD YEAR – FIFTH SEMESTER

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<b>AC 502</b>	<b>BUILDING TECHNOLOGY - V</b>	<b>L=0,S=6,W=0</b>	<b>CREDITIS =04</b>
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**INTERNAL ASSESSMENT(TERM WORK /EXERCISE) = 50**    **CONTACT HRS/WK = 06**  
**UNIVERSITY EXAMINATION**                                         **= 50**

**Focus:** Understanding the behaviour of two different materials i.e. concrete and steel their various possibilities, Building elements and components, different processes and products.

**Contents:** Materials -Steel and Concrete - R.C.C. Elements - P.C.C. Elements - Precast Elements  
Building Const. and precognitions/safety measures  
Different type of slabs and vaults.  
Damp proofing  
Water proofing  
Thermal Insulations  
RCC column foundation - Retaining walls, Raft, Pile foundation, cantilever, & combined footing  
Protection of Structures  
Constructional/Expansion joints  
Anti termite treatments  
Different preservative measures and procedures

**Method:** Case studies & documentation of building elements & compound within the architectural context.  
Analysis of elements three models.  
Studio Exercise.

### REFERENCE :

<b>SR.NO.</b>	<b>TITLE</b>	<b>AUTHOR</b>
01.	Building Construction	.Moorthy
02.	Building Construction	Ramannathan
03.	Building Construction	B.C. Punamia