

## AR-103

CODE	SUBJECT	CREDITS
AR-103	BUILD. CONSTRUCTION-I	03
<b>FOCUS</b>		
	Stone and Brick Masonry	
<b>OBJECTIVE</b>		
	Understanding different construction techniques for chosen materials, building elements and composite architecture	
<b>CONTENT</b>		
	<ol style="list-style-type: none"><li>1. Building Elements – functions and Design<ul style="list-style-type: none"><li>o Functional Requirement of Building</li><li>o Important Building Components</li><li>o Foundation, Plinth and Superstructure</li></ul></li><li>2. Stone Masonry<ol style="list-style-type: none"><li>a. Techniques with examples</li><li>b. Case studies of buildings</li><li>c. Landmark structures</li></ol></li><li>3. Brick Masonry<ol style="list-style-type: none"><li>a. Techniques with examples</li><li>b. Types of Brick masonry</li><li>c. Case studies of Buildings with exposed brickwork</li><li>d. Landmark structures</li></ol></li><li>4. Mud Construction.</li></ol>	
<b>METHODOLOGY</b>		
	Lectures on basic construction of building. Studio exercises and case studies. Study of various components of existing building through sketches & models. Site visit.	
<b>REFERENCES:</b>		
	<ol style="list-style-type: none"><li>1. Construction of Building Vol. -I- R.Berry</li><li>2. Building Construction Metric Vol. -II- W.B.Mckay</li><li>3. Construction Technology Vol. -I- Chudley</li><li>4. Building Construction Illustrated - Fransis D.K.Ching.</li></ol>	