




DEPARTMENT OF \_\_\_\_\_ ARCHITECTURE \_\_\_\_\_

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE PLAN – PART I			
Course Title	BUILDING CONSTRUCTION AND MATERIALS -III		
Course Code	AR 2010	No. of Credits	03
Course Code of Pre-requisite subject(s)	AR211- ARCH. DESIGN		
Session	July/ Jan. _2018____	Section (if, applicable)	A / B
Name of Faculty	WILSON FREDERICK	Department	ARCHITECTURE
Email	Wilson@nitt.edu	Telephone No.	3561
Name of Course Coordinator(s) (if, applicable)	PROF. S. RAJENDRA BABU		
E-mail		Telephone No.	
Course Type	<input checked="" type="checkbox"/> Core course	<input type="checkbox"/> Elective course	
<b>Syllabus (approved in BoS)</b>			
<p>The use and properties of glass, timber products, laminates, paints, terracotta, terrazzo, ceramic and glazed tiles. Use of alternative details and specifications pertaining to the application/fixing of the same under various circumstances. Basic rule of relationship and design of riser and tread. Different types of stair way design. Construction details of concrete stairs of composite construction. Design of handrail and balusters using different materials. Various methods of fixing them. Definition of partition and the role of partitions in buildings. Different types of partitions, and their properties. Joinery details and constructional techniques involved in timber partitions, single and double skinned partitions, partially glazed partitions. Wall finishes external facing and veneers stone facing, wall facing, wall tiling, and cement concrete facing - methods of construction and details pertaining to the same. Introduction to fixing devices in walls, ceilings and floors of solid construction.</p>			
<b>COURSE OBJECTIVES</b>			
TO ENLIGHTEN THE STUDENTS ABOUT THE VARIOUS CONSTRUCTION TECHNIQUES AND PROCEDURES AND ALSO TO ACQUIRE KNOWLEDGE ABOUT VARIOUS FINISHES AND MATERIALS USED IN CONSTRUCTION, THEIR PROPERTIES AND APPLICATION.			
<b>COURSE OUTCOMES (CO)</b>			
Course Outcomes	Aligned Programme Outcomes (PO)		
1. GET SKILLED IN THE PREPARATION OF DETAILS			

2. ACQUIRE KNOWLEDGE ON ALTERNATE DETAILS AND W/D	
3. THOROUGH UNDERSTANDING ON JOINERY IN TIMBER	
4. ACCUSTOM IN MANUAL PRESENTATION SKILLS	
5. MADE FAMILIAR WITH VARIOUS FINISHES	

COURSE PLAN – PART II				
COURSE OVERVIEW				
COURSE TEACHING AND LEARNING ACTIVITIES				
S.No.	Week/Contact Hours	Topic	Mode of Delivery	
1	WEEK 1	TIMBER JOINERY	CHALK AND TALK, OHP AND LCD PROJECTOR	
	2	FINISHES		
	3	STAIRS CONSTRUCTION		
	4	TIMBER STAIRS		
	5	COMPOSITE CONSTRUCTION		
	6	PARTITIONS		
	7	CYCLE TEST -1		
2	WEEK 8	TIMBER PARTITIONS	DO	
	9	FINISHES AND VENEERS		
	10	FIXING DEVICES		
	11	CAVITY WALLS		
	12	CONCRETE FINISHES		
COURSE ASSESSMENT METHODS (shall range from 4 to 6)				
S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	PLATES	WEEK 1 TO 12	THROUGHOUT	30
2	CYCLE TEST	WEEK 7	150 MINS.	20
3	END SEMESTER EXAM		3 HOURS	50
CPA	Compensation Assessment*			N. A.

*mandatory; refer to guidelines on page 4				
COURSE EXIT SURVEY (mention the ways in which the feedback about the course shall be assessed)				
COURSE POLICY (preferred mode of correspondence with students, policy on attendance, compensation assessment, , academic honesty and plagiarism etc.)				
<u>MODE OF CORRESPONDENCE (email/ phone etc)</u>				
<u>ATTENDANCE : MINIMUM OF 75 %</u>				
<u>COMPENSATION ASSESSMENT : N . A.</u>				
<u>ACADEMIC HONESTY &amp; PLAGIARISM</u>				
ADDITIONAL INFORMATION				
FOR APPROVAL				
Course Faculty		CC-Chairperson	 12/1/2018	HOD
				 12/1/18