Course Code	Course Name	L-T-P-Credits	Year of Introduction
CE331	MATERIAL TESTING LAB -II	0-0-3-1	2016
Pre-requisite: C	E204 Construction Technology		
Course objectiv	es:		
	experimental evaluation of properties of the	materials used for conc	rete
	the characteristics of the materials.	NALA	V1
List of Experim		A LC A	1
	ation of the Specific Gravity and Soundr		mag of Comant and
	ation of the Standard Consistency, Initial ressive strength of Cement.	and Final Setting 11	mes of Cement and
	fine aggregate – specific gravity, bulking,	sieve analysis, finen	ess modules moistur
	bulk density	,	110000100, 1101010
	coarse aggregate - specific gravity, sieve a	analysis, fineness mo	dulus, bulk density.
	Fresh Concrete: Workability : Slump, Vee		
6. Determin	ation of the Compressive Strength of Cor	crete by Cube and C	ylinder.
	out the Split Tensile and Flexural strength	h of Concrete.	
-	sive strength of Brick as per IS		
	se strength of tiles		
	ration of Mix Design of Concrete by IS m		
11. Non desu	ructive tests (rebound hammer & ultrasor	inc pulse velocity)	
Books/Manuals	/References:-		
Dooks/ manuals	/References		
1. Concrete	Lab Manual, TTTI Chandigarh		
	nbhir, Concrete Manual, Dhanpat Rai &	Sons, Delhi.	
3. M.S.Shet	ty, Concrete Technology, Theory and Pra	actice, S.Chand& Co	ompany, 2014
	latest IS codes on Aggregates, Cement &	Concrete [269, 383,	238 6, 10262(2009),
SP23]			
	Estd.		
	2014		
	2014		