PROGRAMME : COURSE NAME : COURSE CODE : SEMESTER : PERIODS/WEEK: TOTAL PERIODS:		CIVIL ENGINEERING CIVIL ENGINEERING LAB 2 Pr 1 5 [™] 6 90	NAME OF THE FACULTY: PRIYAJIT BEHERA
WEEK	CLASS	TOPICS	
	1	Determination of Specific gravity of Soil by Pycnometer /Density bottle.	
	2	Determination of Field Density of So	il by Core Cutter Method.
1	1	Determination of Dentials Circ and de	tion of cond/Crowel by signs analysis
		Determination of Particle Size gradation of sand/Gravel by sieve analysis.	
2	2	Wet mechanical analysis using pipet	te method for clay and slit.
2	1	(a)Determination of Liquid Limit by s	oil by Casagrande"s apparatus
	2		
3	£	(b)Determination of Plastic limit of soil.	
•	1	Determination of Shrinkage limit of s	soil
	2	Determination of Shrinkage limit of soil	
4			
	1	Determination of MDD & OMC of soil by using modified Proctor Test.	
	2	Determination of MDD & OMC of so	
5			
	1	Determination of CBR value using Laboratory CBR Testing device	
	2	Determination of c and ϕ of soil by triaxial testing device	
6			
	1		neability of soil by constant head method
	2	Verification of Bernoulli's Theorem	
7			
	1		harge of a rectangular notch fitted in open
	2	Channel.	
8	2	Determination of coefficient of Discharge of a Venturimeter, Orificemeter fitted in a pipe 2.4 Determination of head Loss due to friction and coefficient of friction for	
		flow through pipe.	
	1	Penetration Test of Bitumen.	
	2	Ductility Test of Bitumen	
9	-		
-	1	Viscosity Test of Bitumen	
	2	Bitumen content by centrifuge extra	ctor.
10		.,	
	1	Determination of Turbidity of water	Sample using
		Turbidimeter/Nephlometer/Jackson's Candle Turbidimete	
11	2	Determination of Turbidity of water Sample using	
		Turbidimeter/Nephlometer/Jackson	's Candle Turbidimete
	1		e using (a) pH – meter (b) colour Comparator.
	2	Determination of pH of Water samp	e using (a) pH – meter (b) colour Comparator.
12			

	1	Determination of Chloride content of a Water sample using method of titration.	
	2	Determination of Chloride content of a Water sample using method of titration.	
13			
	1	Determination of Coagulant (Alum) dose requirement for a turbid water sample by	
		Jar Test.	
14	2	Determination of Coagulant (Alum) dose requirement for a turbid water sample by Jar Test.	
	1	Determination of dissolved oxygen in a water sampl	
	2	Determination of bacteriological quality of water sample by Coliform test.	
15			