PROGRAMME : CIVIL ENGINEERING **COURSE NAME : CIVIL ENGINEERING LAB 1** **COURSE CODE : Pr 1** **SEMESTER : 3RD** **PERIODS/WEEK: 6** **TOTAL PERIODS: 90**	**NAME OF THE FACULTY: MANASI PRADHAN** **SESSION : 2022-2023** **DATE : 15-09-2022 TO 21-01-2023**

WEEK	CLASS	TOPICS
1	1	Determination of Young's Modulus of steel in a tensile testing machine.
	2	Determination of Young's Modulus of steel in a tensile testing machine.
2	1	Determination of fineness of Cement by sieving.
	2	Determination of fineness of Cement by sieving.
3	1	Determination of normal Consistency, initial and final setting time of Cement
	2	Determination of normal Consistency, initial and final setting time of Cement
4	1	Determination of soundness of Cement by Le-Chatelier apparatus.
	2	Determination of soundness of Cement by Le-Chatelier apparatus.
5	1	Determination of Compressive Strength of cement.
	2	Determination of Compressive Strength of cement.
6	1	Determination of Compressive Strength of Burnt clay, Fly Ash Bricks and Blocks.
	2	Determination of Compressive Strength of Burnt clay, Fly Ash Bricks and Blocks.
7	1	Grading of Fine & Coarse aggregate by sieving for concrete .
	2	Grading of Fine & Coarse aggregate by sieving for concrete .
8	1	Determination of Specific Gravity and Bulking of sand.
	2	Determination of Specific Gravity and Bulk density of coarse aggregate
9	1	Grading of Road Aggregates
	2	Grading of Road Aggregates
10	1	Determination of Crushing Value Test of aggregates
	2	Determination of Crushing Value Test of aggregates
11	1	Los-Angeles Abrasion Test of aggregate.
	2	Los-Angeles Abrasion Test of aggregate.
12	1	Impact test of aggregate
	2	Impact test of aggregate
13	1	Determination of soundness test of road aggregates.
	2	Non Destructive tests on Concrete: Demonstration on Rebound hammer

14	1	Determination of Compressive Strength of concrete cubes
	2	Determination of Compressive Strength of concrete cubes
15	1	Determination of Workability of concrete by Slump Cone method
	2	Determination of Workability of concrete by Compaction Factor method.