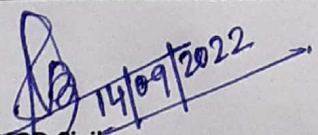
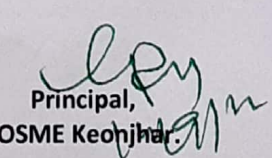


DEPARTMENT OF CIVIL ENGINEERING ,OSME KEONJHAR**Lesson Plan for Winter-2022**

Discipline: <u>Civil Engg.</u>		Semester-3 rd	Name of the faculty : <u>Er.Sashidhar Behera</u>
Subject –Civil engineering lab-I (Pr-1)		No of classes /per week class allotted: <u>06hrs</u>	Semester from date- <u>15.09.2022 to 22.12.2022</u> No. of weeks: 15
WEEK	DATE/CLASS DAY	PERIODS AVAILABLE	TOPIC TO BE COVERED
1st	15.09.2022	3	Briefing about syllabus and Introduction ,How To Make Lab Record , Observation , Safety ,Lab Manual ,Notes Etc.
2nd	20.09.2022	3	Chapter-1: Material Testing Laboratory Determination of Young's Modulus of steel in a tensile testing machine.
	22.09.2022	3	Determination of fineness of Cement by sieving
3rd	27.09.2022	3	Determination of normal Consistency Of Cement
	29.09.2022	3	Determination of initial and final setting time of Cement
4th	11.10.2022	3	Determination of soundness of Cement by Le-Chatelier apparatus.
	13.10.2022	3	Determination of Compressive Strength of cement
5th	18.10.2022	3	Determination of Compressive Strength of Burnt clay, Fly Ash Bricks and Blocks.
	20.10.2022	3	Grading of Fine & Coarse aggregate by sieving for concrete
6th	25.10.2022	3	Determination of Specific Gravity and Bulking of sand.
7th	01.11.2022	3	Determination of Specific Gravity and Bulk density of coarse aggregate
	03.11.2022	3	Grading of Road Aggregates.
8th	10.11.2022	3	Determination of Flakiness, Elongation of Road aggregates
9th	15.11.2022	3	Determination of Crushing Value Test of aggregates.
10 th	22.11.2022	3	Los-Angeles Abrasion Test of aggregate
	24.11.2022	3	Impact test of aggregate.
11th	29.11.2022	3	Determination of soundness test of road aggregates.
	01.12.2022	3	Record submission.
12th	06.12.2022	3	Chapter-2: Concrete Laboratory Determination of Compressive Strength of concrete cubes.
	08.12.2022	3	Determination of Workability of concrete by Slump Cone method.
13th	13.12.2022	3	Determination of Workability of concrete by Compaction Factor method.
	15.12.2022	3	Non Destructive tests on Concrete Demonstration on Rebound hammer.
14 th	20.12.2022	3	Non Destructive tests on Concrete Ultrasonic Pulse Velocity measuring Instrument.
	22.12.2022	3	Record Submission
TOTAL		72	


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