

SAMANTA CHANDRASEKHAR INSTITUTE OF TECHNOLOGY & MANAGEMENT

SEMILIGUDA-764 036, KORAPUT

DEPT. OF.....CIVIL ENGINEERING.....

LESSON PLAN AND PROGRESS REGISTER

(To be maintained by all members of the teaching staff)

(Name of the Teacher)
Smt. Manisha Mishra

SESSION.....2022-2023 (EVEN SEM)

Sl. No.	Date	Topic	Remarks

NAME Manisha Mishra

DESIGNATION H.O.D

DEPT. Dept of Civil Engineering

Manisha
SIGNATURE

LESSON PLAN

Degree/Diploma/+2 Science
(Theory/Pract/Lab/Workshop)

Semester 6th Semester Branch Civil Engineering

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
February	Th4(a) Concrete	1. Concrete as a construction material	
→ 20/02/23	Technology	1.1 Grades of Concrete	01
→ 21/02/23	-do-	1.2 Advantages and Disadvantages of Concrete.	01
		2. Cement	
→ 22/02/23 to 25/02/23	-do-	2.1 Composition, hydration of cement, water-cement ratio and compressive strength, fineness of cement, setting time, soundness, types of cement.	04
		3. Aggregate, Water and Admixtures	
→ 27/02/23 & 28/02/23	-do-	3.1 Classification and Characteristics of aggregate, fineness modulus, grading of aggregate IS 383.	02
→ 01/03/23 & 02/03/23	-do-	3.2 Quality of water for mixing and curing	02
→ 03/03/23 & 04/03/23	-do-	3.3 Important functions, Classification of admixtures, accelerating admixtures, retarding admixture, water reducing admixtures, air containing admixtures.	02
		4. Properties of fresh Concrete.	

PROGRESS

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Semester 6th Semester Branch Civil Engineering

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks Signat HOD/L
→ 20/02/23	Th4 (a)	23	1.1 grade of concrete like M5, M7.5, etc.		
→ 21/02/23	Concrete Tech-nology	25	1.2 Advantages and Disadvantages of concrete.		
→ 22/02/23	-do-	25	2.1 Composition of cement 2.1 Hydration of cement		
→ 24/02/23	-do-	25	2.1 Water Cement Ratio. 2.1 Compressive strength and fineness test of cement		
→ 25/02/23	-do-	25	2.1 Setting time & Soundness test of cement. 2.1 Types of Cement		
→ 27/02/23	-do-	25	3.1 Classification of and characteristics of aggregate.		
→ 28/02/23	-do-	25	3.1 Fineness modulus, grading of aggregate as IS 383.		
→ 01/03/23	-do-	25	3.2 Quality of water for mixing.		

LESSON PLAN

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Semester 6th

Branch Civil Engineering

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March 06/03/23 to 13/03/23	Th4(a) Concrete Technology	4.1 Concept of Fresh Concrete workability, slump test, compacting factor test, V-bee consistency test and flow-test, requirement of workability.	06
		5. Properties of Hardened Concrete.	
→ 14/03/23 to 20/03/23	-do-	5.1 Cube and cylinder compressive strengths, flexural strength of concrete, stress-strain and elasticity, Phenomena of creep and shrinkage, Permeability, durability of concrete, sulphate, Chloride and acid attack on concrete, efflorescence.	07
		6. Concrete Mix Design.	
→ 21/03/23	-do-	6.1 (a) Introduction	1/2
→ 22/03/23	-do-	(b) Data and Input required for mix-design	1/2
→ 23/03/23	-do-	6.2 Nominal mix and design mix concrete	02
→ 25/03/23 & 27/03/23	-do-	6.3 Basic consideration for concrete mix-design, methods of Proportioning concrete mix IS code method of mix-design.	02

PROGRESS

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Semester 6th Semester

Branch Civil Engineering

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature HOD/Direct
→ 02/03/23	Th4 (a)	24	3.2 Quality of water for curing		
→ 03/03/23	Concrete Technology	22	3.3 Important Junctions and Classification of Admixtures.		
→ 04/03/23	-do-	23	3.3 Briefly explained accelerating admixture, retarding admixture, water reducing admixture.		
→ 06/03/23	-do-	22	4.1 Concept of fresh concrete, Workability		
→ 09/03/23	-do-	24	4.1 Different test for workability 4.1 Slump Test & Compaction factor test		
→ 10/03/23	-do-	24	4.1 flow test and V-bee consistency test.		
→ 13/03/23	-do-	23	4.1 Requirement of Workability		
→ 14/03/23	-do-	23	5.1 Cube and cylinder compressive strength test for concrete.		

Principal
Signature
Date