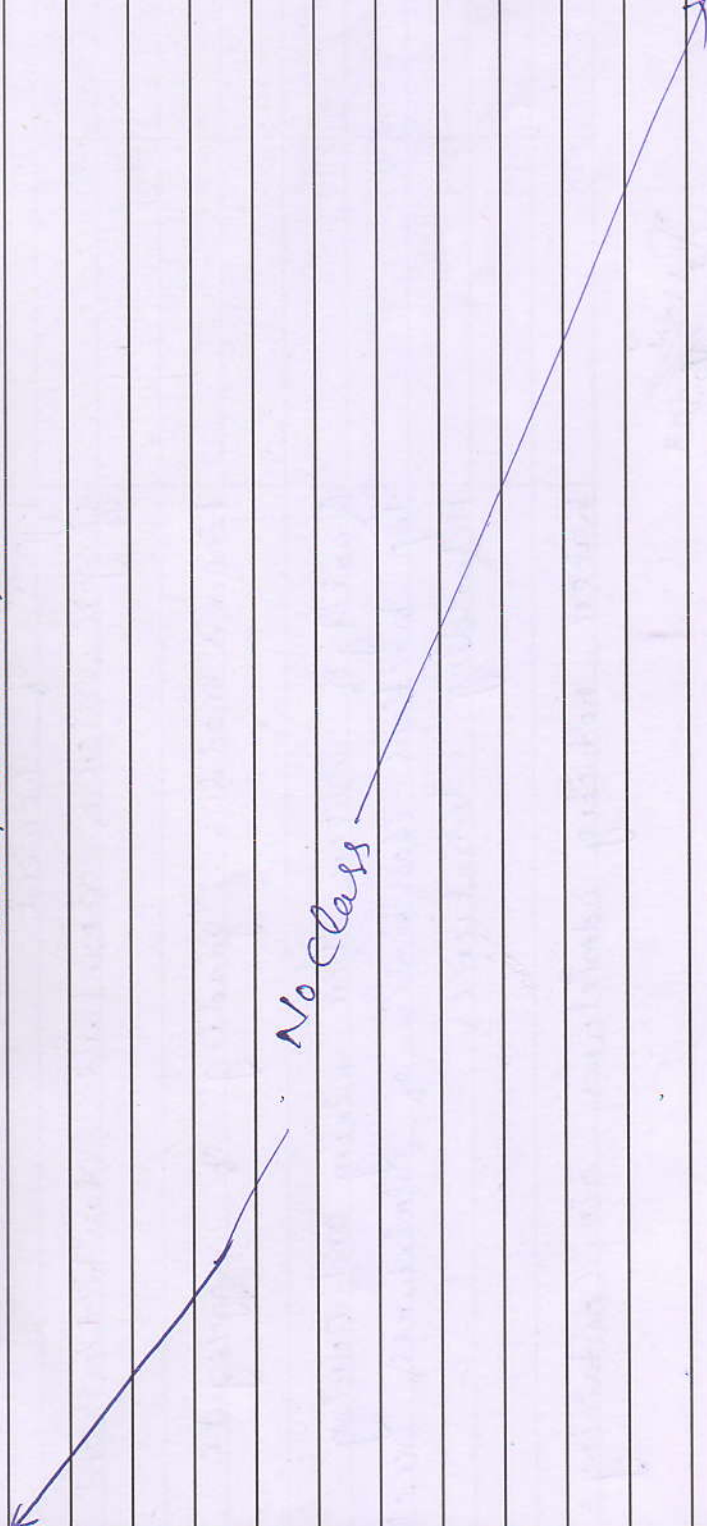


# SIDDHARTH INSTITUTE OF ENGG. & TECHNOLOGY, KORAPUT

## LESSON PLAN

DISCIPLINE: C. Technology		NAME OF TEACHING FACULTY: Fr. Pallavi Nayak		TO DATE: 28.2.2023	
SUBJECT: C. Technology		SEMESTER FROM DATE: 14.2.2023		NO. OF WEEKS: 03	
WEEK	SEMESTER: 6 <sup>th</sup>	CLASS DAY	THEORY/PRACTICAL SUBJECTS		
1ST	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 04	1ST	<p style="text-align: center;">No class</p> 		
		2ND			
		3RD			
		4TH			
		5TH			
		6TH			
2ND		1ST			
		2ND			
		3RD			
		4TH			
		5TH			
		6TH			
3RD		1ST			
		2ND	Concrete as Construction Material - Grades of Concrete		
		3RD	Advantages & disadvantages of concrete		
		4TH	Cement: - Composition, hydration of cement w/c ratio and <del>compressive</del>		
		5TH			
		6TH	Compressive strength, fineness of cement		

DISCIPLINE:	SEMESTER:	NAME OF TEACHING FACULTY:	TO DATE:
SUBJECT:	NO. OF DAYS/PER WEEK CLASS ALLOTTED:	ER. PALLAVI NAYAK	28.2.2023
C.T	04		
4TH	1ST		
	2ND	Setting time, Soundness	
	3RD	Types of Cement	
	4TH	Aggregate, Water & admixtures, classification and characteristics of aggregate	
	5TH		
	6TH	Fineness modulus, grading of aggregate	
5TH	1ST		
	2ND	Quality of water for mixing and curing	
	3RD	Temp functions, classification of admixtures, accelerating admixtures,	
	4TH	Retarding admixtures	
	5TH		
	6TH	Water reducing admixtures, air containing admixture	

Pallavi  
15.2.23

HEAD OF DEPT.  
H.O.D.  
Civil Engg.  
SIET, KORAPUT

Principal  
13/02/2023  
PRINCIPAL  
Siddharth Institute of Engineering & Technology  
Ektaguda, Koraput

LESSON PLAN

DISCIPLINE:	SEMESTER :	NAME OF TEACHING FACULTY:	TO DATE:
SUBJECT:	NO.OF DAYS/PER WEEK CLASS ALLOTTED:	SEMESTER FROM DATE:	31.3.23
C: Technology	04	NO. OF WEEKS: 05	
WEEK	CLASS DAY	THEORY/PRACTICAL SUBJECTS	
1ST			
2ND			
3RD		Properties of fresh concrete. Concept of fresh concrete, Workability	
4TH		Slump test.	
5TH			
6TH		Compacting factor test	
1ST			
2ND		V- bee Consistency test	
3RD		Flow test	
4TH		req. requirement of Workability I.S 1199	
5TH			
6TH		Properties of hardened concrete, Cube and Cylinder Compressive strength	
1ST			
2ND		flexural strength of concrete, <del>the</del>	
3RD		stress strain and elasticity	
4TH		phenomena of Creep and Shrinkage.	
5TH			
6TH		permeability; durability of concrete	

DISCIPLINE:	SEMESTER: 6 <sup>th</sup>	NAME OF TEACHING FACULTY: <u>FR. PALLAVI NAYAK</u>
SUBJECT:	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 04	SEMESTER FROM DATE: <u>1.3.23</u>
		TO DATE: <u>31.3.23</u>
		NO. OF WEEKS: <u>05</u>
4TH	1ST	
	2ND	<u>Sulphate, chloride and acid attack on concrete</u>
	3RD	<u>efflorescence.</u>
	4TH	<u>Concrete mix design, Introduction</u>
	5TH	<u>1</u>
	6TH	<u>Data input required for mix design</u>
5TH	1ST	
	2ND	<u>Nominal mix Concrete &amp; Design mix Concrete.</u>
	3RD	<u>Basic consideration for concrete mix design</u>
	4TH	<u>Methods of proportioning concrete mix</u>
	5TH	
	6TH	<u>I.S Code Method of mix design.</u>

Pallavi  
28.2.23  
**HEAD OF DEPT.**  
Civil Engg.  
**SIET, KORAPUT**

Pallavi  
28/02/2023  
**PRINCIPAL**  
Siddharth Institute of Engineering & Technology  
**Ektaguda, Koraput**

*[Faint handwritten notes on the lined paper background]*