SIDDHARTH INSTITUTE OF ENGG.& TECHNOLOGY,KORAPUT
LESSON PLAN

DISCIPLINE:	SEMESTER : 4th	NAME OF TEACHING FACULTY: Er Pallavi Nayak
SUBJECT: S.D-1	NO.OF DAYS/PER WEEK CLASS ALLOTED: 04	SEMESTER FROM DATE: 14.2.2023 TO DATE: 28.2.2023 NO. OF WEEKS: 03

WEEK	CLASS DAY	THEORY/PRACTICAL SUBJECTS
1ST	1ST	
	2ND	
	3RD	
	4TH	
	5TH	
	6TH	
2ND	1ST	
	2ND	
	3RD	
	4TH	
	5TH	
	6TH	
3RD	1ST	
	2ND	Working Stress · Method · objectives of design and detailing.
	3RD	
	4TH	State the difference Methods of design of Concrete Structures
	5TH	Introduction to reinforced Concrete, R.C Sections their behaviour
	6TH	

No Class

DISCIPLINE:	SEMESTER : 4th	NAME OF TEACHING FACULTY: Er Pallavi Nayak	
SUBJECT: S.D-I	NO.OF DAYS/PER WEEK CLASS ALLOTED: 04	SEMESTER FROM DATE: 14.2.23	TO DATE: 28.2.23
		NO. OF WEEKS: 03	
4TH	1ST	Greade of Concrete & steel, percmissible stresses, assumption in w.s.m.	
	2ND	Flexural design and anal analysis of single reinforced section from first principles.	
	3RD		
	4TH	Concept of under reinforced, over reinforced and balanced section.	
	5TH	Advantages and disadvantages of W.S.M. reasons for its obsolescence	
	6TH		
5TH	1ST	philosophy of limit state Method: Definition, Advantages of LSM over WSM	
	2ND	IS Code Sugesstion regarding design philosophy.	
	3RD		
	4TH	Types of limit states, partial safety factores for meterials strength,	
	5TH	Chareacteristic load, Strength, design load, loading on structure as per I.S 875	
	6TH		

Pallavi 13.2.23
HEAD OF DEPT.
H.O.D.
Civil Engg.
SIET, KORA

PRINCIPAL 13/02/2023
Principal
Siddharth Institute of Engineering & Technol
Ektaguda, Kor-out

SIDDHARTH INSTITUTE OF ENGG.& TECHNOLOGY,KORAPUT
LESSON PLAN

DISCIPLINE:	SEMESTER : 4th	NAME OF TEACHING FACULTY: Er. Pallavi Nayak	
SUBJECT: S.D-1	NO.OF DAYS/PER WEEK CLASS ALLOTED: 04	SEMESTER FROM DATE: 1.3.23	TO DATE: 31.3.23
		NO. OF WEEKS: 05	
WEEK	CLASS DAY	THEORY/PRACTICAL SUBJECTS	
1ST	1ST		
	2ND		
	3RD		
	4TH	Study of I.S specification regarding spacing of reinforcement in slab.	
	5TH	Cover to reinforcement in slab, beam, column, footing, and minimum reinforcement in slab.	
	6TH		
2ND	1ST	Analysis and design of Single and double reinforced section (LSM) limit state of collapse	
	2ND	Assumptions, stress Strain relationship for Concrete and steel, N.A	
	3RD		
	4TH	Stress & Strain block diagram for Singly reinforced Section.	
	5TH	Concept of under, over ~~and~~ reinforced and limiting section	
	6TH		
3RD	1ST	Neutral axis co-efficient, limiting value of moment of resistance	
	2ND	Analysis and design :- Determination of design constants	
	3RD		
	4TH	Moment of resistance and area of steel for rectangular section.	
	5TH	Necessity of doubly reinforced section.	
	6TH		

DISCIPLINE:	SEMESTER : 4th	NAME OF TEACHING FACULTY: Er. Pallavi Nayak	
SUBJECT: S.D-I	NO.OF DAYS/PER WEEK CLASS ALLOTED: 04	SEMESTER FROM DATE: 1.3.23	TO DATE: 31.3.23
		NO. OF WEEKS: 05	
4TH	1ST	Design of doubly reinforced rectangular section	
	2ND	Shear, bond & Development length (LSM)	
	3RD		
	4TH	Normal Shear Stress in R.C section	
	5TH	Design Shear strength of Concrete	
	6TH		
5TH	1ST	minimum Shear Stress, design of shear reinforcement	
	2ND	minimum shear reinforcement, ~~to~~	
	3RD		
	4TH	forms of Shear reinforcement	
	5TH	bond and types of bond.	
	6TH		

Pallavi 28.2.23

HEAD OF DEPT.

H.O.D.
Civil Engg.
SIET, KORAPUT

28/02/2023

PRINCIPAL

Principal
Siddharth Institute of Engineering & Technology
Ektaguda, Koraput