

SIDDHARTH INSTITUTE OF ENGG.& TECHNOLOGY, KORAPUT
LESSON PLAN

DISCIPLINE:	SEMESTER :	NAME OF TEACHING FACULTY:	TO DATE:
SUBJECT: <i>Basic design materials & construction</i>	<i>3rd sem</i>	<i>PALLAVI NAYAK</i>	<i>30/09/2022</i>
NO. OF DAYS/PER WEEK CLASS ALLOTTED:	<i>4</i>	NO. OF WEEKS: <i>5</i>	
WEEK	CLASS DAY	THEORY/PRACTICAL SUBJECTS	
1ST	1ST	<i>NO CLAS</i>	
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
2ND	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
3RD	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		

Introduction, classification of rock, uses of stone, bed of stone
Characteristics of good building stone, Dressing of stone.

DISCIPLINE:	SEMESTER :	NAME OF TEACHING FACULTY:	TO DATE:
SUBJECT:	NO. OF DAYS/PER WEEK CLASS ALLOTTED:	SEMESTER FROM DATE:	
		NO. OF WEEKS:	
4TH	1ST	Brock earth - its compaction	
	2ND		
	3RD	Brock making - Preparation of Brock earth, moulding	
	4TH	Drying, Riddening, Size of Brock, classification of Brock	
	5TH	Advantages of good building Brock.	
	6TH		
5TH	1ST	Introduction of construction technology, classification of building	
	2ND		
	3RD	Different components of a building	
	4TH	Site investigation, foundation	
	5TH	Type of foundation - shallow & Deep.	
	6TH		

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LESSON PLAN

DISCIPLINE:	SEMESTER: 3rd	NAME OF TEACHING FACULTY: Sr. Srinimaya Jesarini Dash	TO DATE: 30-09-22
SUBJECT: Estimation and cost evaluation	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 4	SEMESTER FROM DATE: 15-09-22	
WEEK	CLASS DAY	NO. OF WEEKS: 4	THEORY/PRACTICAL SUBJECTS
1ST	1ST	<div style="font-size: 2em; font-weight: bold;">NO</div> <div style="font-size: 2em; font-weight: bold;">CLASSES</div>	
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
2ND	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
3RD	1ST		
	2ND		
	3RD		
	4TH		
	5TH		Introduction, types of estimate - Plinth area, floor area
	6TH		

DISCIPLINE:	SEMESTER: 3rd	NAME OF TEACHING FACULTY: Dr. Syathiraj Tejaswini Dash	TO DATE: 30/9/22
SUBJECT: Estimation and Cost Estimation	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 4	SEMESTER FROM DATE: 15/9/22	
4TH	1ST	NO. OF WEEKS: 03	
	2ND	units and modes of measurements as per IS 12000	
	3RD	Accuracy of measurements for different items of work sheet wall, long wall method and centre line method	
	4TH		
	5TH	Reduction in masonry, plastering, vertical, washing, painting	
	6TH		
5TH	1ST	Detailed estimate of single stoned flat roof building	
	2ND	Rec roof slab with leak proof treatment	
	3RD	leak proof treatment over it including staircase	
	4TH		
	5TH	stair case designs	
	6TH		

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LESSON PLAN

DISCIPLINE:	3rd sem	NAME OF TEACHING FACULTY:	Eg. Sanyukta Mohanty	
SUBJECT:	Geotechnical Engg.	SEMESTER FROM DATE:	15/09/2022	
NO. OF DAYS/PER WEEK CLASS ALLOTTED:	4	NO. OF WEEKS:	5	
TO DATE:		FROM DATE:	30/09/2022	
WEEK	CLASS DAY	THEORY/PRACTICAL SUBJECTS		
1ST	1ST	<div style="position: relative; height: 100px;"> ↖ ↗ </div>		
2ND	2ND			
3RD	3RD			
4TH	4TH			
5TH	5TH			
6TH	6TH			
2ND	1ST	<div style="position: relative; height: 100px;"> ↖ ↗ </div>		
3RD	2ND	<div style="position: relative; height: 100px;"> ↖ ↗ </div>		
4TH	3RD			
5TH	4TH			
6TH	5TH			
3RD	1ST			
2ND	2ND			
3RD	3RD	<div style="position: relative; height: 100px;"> ↖ ↗ </div>		
4TH	4TH			
5TH	5TH			
6TH	6TH			
3RD	1ST			
2ND	2ND			
3RD	3RD	<div style="position: relative; height: 100px;"> ↖ ↗ </div>		
4TH	4TH			
5TH	5TH			
6TH	6TH			
3RD	1ST			
2ND	2ND			
3RD	3RD	<div style="position: relative; height: 100px;"> ↖ ↗ </div>		
4TH	4TH			
5TH	5TH			
6TH	6TH			
3RD	1ST			
2ND	2ND			

Introduction of Geotechnical Engg., Soil and Soil Mechanics
 Scope of soil mechanics, Origin and formation of soil

DISCIPLINE:	SEMESTER :	NAME OF TEACHING FACULTY:
SUBJECT: <i>Geotechnical Engg.</i>	SEMESTER : <i>3rd</i> NO. OF DAYS / PER WEEK CLASS ALLOTTED: <i>4</i>	NAME OF TEACHING FACULTY: <i>En. Sanjukta Mohanty</i> SEMESTER FROM DATE: <i>15/09/2022</i> NO. OF WEEKS: <i>5</i> TO DATE: <i>30/09/2022</i>
4TH	1ST	
	2ND	<i>Soil as a three phase system.</i>
	3RD	<i>Water content, Density & specific gravity, voids ratio</i>
	4TH	<i>Problems of above</i>
	5TH	<i>Interrelationship of various soil parameters</i>
	6TH	
5TH	1ST	
	2ND	<i>water content, specific gravity</i>
	3RD	<i>Bulk / saturated / dry</i>
	4TH	<i>particle size distribution: sieve analysis and wet mechanical</i>
	5TH	<i>particle size distribution curve add its uses</i>
	6TH	

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DISCIPLINE:	SEMESTER : 3 rd	NAME OF TEACHING FACULTY: Dr. Minaksham Pradeep	TO DATE: 30/09/22
SUBJECT: S.M	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 04	SEMESTER FROM DATE: 15/09/22	
WEEK	CLASS DAY	NO. OF WEEKS: 03	THEORY/PRACTICAL SUBJECTS
1ST	1ST	No class	
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
2ND	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
3RD	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		

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Basic Principle of Mechanics : Force, Moment, Support conditions
 conditions of equilibrium, C.G of MI, force body diagrams

DISCIPLINE:	SEMESTER: 3 rd	NAME OF TEACHING FACULTY: Sri. Minuaratam Pradhani
SUBJECT:	NO. OF DAYS/PER WEEK CLASS ALLOTTED:	SEMESTER FROM DATE: 15/09/22 TO DATE: 30/09/22
SM	4TH	NO. OF WEEKS:
	1ST	Review of e.s.n & MI, of different section, simple and
	2ND	complex stress, strain. Introduction to stresses and
	3RD	strains.
	4TH	Mechanical properties of materials - Rigidity, Elasticity
	5TH	Plasticity, Compressibility, Hardness, Toughness, Stiffness
	6TH	
5TH	1ST	Brittleness, Ductility, Malleability, Creep, Fatigue, Tenacity
	2ND	Durability, Types of stress - Tensile, Complementary -
	3RD	
	4TH	shear stresses, Types of strains - Tensile & compressive -
	5TH	and shear straining Complementary shear stress - Diagonal
	6TH	


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DISCIPLINE:	SEMESTER : 3 rd	NAME OF TEACHING FACULTY: Sabita Hantel	TO DATE: 30/09/2022
SUBJECT: E V S	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 4	SEMESTER FROM DATE: 15/09/2022	
WEEK	CLASS DAY	NO. OF WEEKS: 3	THEORY/PRACTICAL SUBJECTS
1ST	1ST	 No CLASS 	
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
2ND	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
3RD	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		

Introduction of Multidisciplinary nature of environmental studies

DISCIPLINE:	SEMESTER: 8 th	NAME OF TEACHING FACULTY: Sabita Hanted	TO DATE: 30/09/2022
SUBJECT: E VS	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 4	SEMESTER FROM DATE: 15/09/2022	
4TH	1ST	Natural Resources and associated problems.	
	2ND	Forest resources. Use and over-exploitation, deforestation,	
	3RD	Timber extraction mining, dams and their effects on forests	
	4TH	Water resources: use and over-exploitation of surface & groundwater	
	5TH		
	6TH		
5TH	1ST	Mineral Resources: world food problems, changes caused by agriculture	
	2ND	Effects of modern agriculture, fertilizers - pesticides	
	3RD	Energy Resources: Geomining, Renewable & Non-renewable, alternate energy	
	4TH	Land Resources: Land degradation, soil erosion & desertification	
	5TH		
	6TH		

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