

**SAMANTA CHANDRASEKHAR INSTITUTE  
OF TECHNOLOGY & MANAGEMENT**  
SEMLIGUDA-764 036, KORAPUT

DEPT. OF..... **Civil Engineering**.....

**LESSON PLAN AND PROGRESS REGISTER**

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

BRANCH (Second Year)  
M.Tech/Diploma  
SESSION 2020-2021

10.	9.	8.	7.	6.	5.	4.	3.	2.	1.

NAME

Binita Pradhan

DESIGNATION

Lecturer Civil

DEPT.

Civil Engineering

  
**SIGNATURE**

This Lesson Plan and Progress Register is to be submitted to the Director for verification and counter signature twice in every semester. The H.O.D. must verify and sign this Register before submission.

## **COURSES ALLOTED**

**FOR DIFFERENT BRANCHES & SEMESTER (Degree/Diploma/+2 Science)**

Semester	Course No.	Course Title
4th	TH1	Structural Design-I

47

Th1

## Structural Design - I

**N.B. : Submission of Annual Lesson Plan-cum-Progress Register and performance Report for Assessment are responsibility of each faculty member.**

**LESSON PLAN**

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

Semester 4th Sem

Branch CIVIL

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
March 14/03/2022	Th1 Structural Design - I	1) Working Stress Method (WSM) 1.1) Objectives of design and detailing state the different methods of design of concrete structures	01
15/03/2022		1.2) Introduction to reinforced concrete, R.C. sections their behavior, grades of concrete and steel, permissible stresses, assumption in W.S.M	01
16/03/2022		1.3) Flexural design and analysis of single reinforced sections from first principles.	01
17/03/2022		1.4) Concept of under reinforced, over reinforced and balanced sections.	01
21/03/2022		1.5) Advantages and disadvantages of WSM, reasons for its obsolescence. 2) philosophy of Limit state method (LSM)	01
22/03/2022		2.1) Definition, Advantages of LSM over WSM, IS code suggestions regarding design philosophy.	01
23/03/2022		2.2) Types of limit states, partial safety factors for materials strength, characteristic strength, characteristic load, design load, loading on structure as per IS 875	01
24/03/2022		2.3) Study of IS specification regarding spacing of reinforce-	01

**PROGRESS**

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

Semester	Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
4th	14/03/2022	Th1 SD-I	14	1) Working stress method (WSM) 1.1) Objectives of design and detailing state the different methods of design of concrete structures.		
8em	15/03/22		14	1.2) Introduction to reinforced concrete, R.C sections their behavior, grades of concrete and steel		Mayurika
				1.3) Flexural design and analysis of single reinforced sections from first principles.		
	16/03/22		14	1.4) Concept of under reinforced, over reinforced and balanced sections.		
	21/03/22		16	1.5) Advantages and disadvantages of WSM, reasons for its obsolescence.		
	22/03/22		16	2) philosophy of Limit state method (LSM)		Mayurika
	23/03/22		15	2.1) Definition, Advantages of LSM over WSM, IS code suggestions regarding design philosophy.		
	24/03/22			2.2) Types of limit states, partial safety factors for materials strength, characteristic strength, characteristic load, design load, loading on structure as per IS 875		
				2.3) Study of IS specification regarding spacing of reinforce-		

**LESSON PLAN**

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

Semester 4th Sem Branch Civil

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
March	Th 1 Structural Design - I	ment in slab, cover to reinforcement in slab, beam column & footing, minimum reinforcement in slab, beam & column, lapping, anchorage, effective span for beam & slab.	
		3) Analysis and Design of Single and Double Reinforced Sections (LSM)	
→ 26/03/2022		3.1) Limit state of collapse (flexure), Assumptions, stress-strain relationship for concrete and steel, neutral axis, stress block diagram and strain diagram for singly reinforced section.	04
30/03/2022		3.2) Concept of under-reinforced, over-reinforced and limiting section, neutral axis co-efficient, limiting value of moment of resistance and limiting percentage of steel required for limiting singly R.C section	05
06/04/2022	do	3.3) Analysis and design: determination of design constants, moment of resistance and area of steel for rectangular sections	06
April		3.4) Necessity of doubly reinforced section, design of doubly reinforced rectangular section	05
→ 07/04/2022		4) Shear, Bond and Development Length (LSM)	
13/04/2022		4.1) Nominal shear stress in R.C section, design shear	

**PROGRESS**

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

Semester 4th Sem Branch Civil

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
23/03/22	Th 1 SD-I	12	1) Types of limit states, partial safety factors for materials strength, characteristic strength, 2) characteristic load, design load, loading on structure per IS 875		
24/03/22		14	2.2) Study of IS specification regarding spacing of reinforcement in slab, cover to beam column & footing, 2.3) reinforcement in slab, beam column & footing, minimum reinforcement in slab, beam & column, lapping, anchorage, effective span for beam & slab.		
26/03/2022		15	3) Analysis and Design of single and double reinforced sections (LSM)		
			3.1) Limit state of collapse (flexure), Assumptions, stress-strain relationship for concrete and steel, neutral axis, stress block diagram and strain diagram for singly reinforced section.		
			3.2) Concept of under-reinforced, over-reinforced and limiting section, neutral axis co-efficient, limiting value of moment of resistance and limiting percentage of steel required for limiting singly R.C section		
			3.3) Analysis and design: determination of design constants, moment of resistance and area of steel for rectangular sections		
			3.4) Necessity of doubly reinforced section, design of doubly reinforced rectangular section		
			4) Shear, Bond and Development Length (LSM)		
			4.1) Nominal shear stress in R.C section, design shear		

**LESSON PLAN**

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

Semester 4th Sem Branch Civil

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
→ April 26/04/2022	Th1 Structure	Strength of Concrete, maximum shear stress, design of shear reinforcement, minimum shear reinforcements, forms of shear reinforcement.	01
	Design-I	reinforcement.	
→ 27/04/2022		4.2) Bond and types of bond, bond stress, check for bond stress, development length in tension and compression, anchorage value for hooks qoo bend and 450 bend standards lapping of bars, check for development length.	01
→ 28/04/2022	do	4.3) Numerical problems on deciding whether shear reinforcement is required or not, check for adequacy of the section in shear. Design of Shear reinforcement; minimum shear reinforcement in beams (Explain through examples only)	02
		5.1) Analysis and Design of T-Beam (Lsm)	
→ 05/05/2022		5.1) General features, advantages, effective width of flange as per IS: 456-2000 Code provisions.	03
→ 06/05/2022		5.2) Analysis of singly reinforced T-Beam, strain diagram	07
18/05/2022			

**PROGRESS**

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

Semester 4th Sem Branch Civil

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
29/04/22	Th1 SD-I	12	3.1) Strain diagram for singly reinforced section		
30/04/22		11	3.2) Concept of under-reinforced, over-reinforced and limiting section, neutral axis		Manjula
05/04/22		14	3.3) Co-efficient, limiting value of moment of resistance and limiting percentage of steel required for limiting singly R.C section.		Manjula
07/04/2022	do	14	3.3) Analysis and design: determination of design constants, moment of resistance		
12/04/22		10	3.3) Steel for rectangular sections.		Manjula
18/04/2022		15	3.4) Necessity of doubly reinforced section, design of doubly reinforced rectangular section		
			4.1) Shear, Bond and Development Length (Lsm)		Manjula

**LESSON PLAN**

 Degree/Diploma/+2 Science  
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Semester 4th sem Branch CIVIL

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
	Th1 Structural Design - I	4) stress diagram, depth of neutral axis, moment of resistance of T-beam section with neutral axis lying within the flange	
May 19/05/2022		5.3) Simple numerical problems on deciding effective flange width. (Problems only on finding moment of resistance of T-beam section when N.A. lies within or up to the bottom flange shall be asked in written examination) ...	05
23/05/2022		6) Analysis and Design of Slab and Stair case (LSm)	
→ 24/05/2022	do	6.1) Design of simply supported one-way slabs for flexure	03
28/05/2022		check for deflection control and shear.	
June 01/06/2022		6.2) Design of one-way cantilever slabs and cantilevers	03
02/06/2022		chajjas for flexure check for deflection control and check for development length and shear.	
→ 03/06/2022		6.3) Design of two-way simply supported slabs for flexure with corner free to lift.	03
04/06/2022		6.4) Design of dog-legged staircase	02

**PROGRESS**

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

Semester 4th sem Branch CIVIL

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
26/04/22	Th1 SD-I	15	4.1) Nominal shear stress in R.C sections,		
	↑		design shear strength of concrete, maximum		
			4.2) shear stress, design of shear reinforcement, minimum shear reinforcement,		
			forms of shear reinforcement.		
27/04/22		12	4.2) Bond and types of bond, bond stress, check for bond stress, development length		
	do		in tension and compression,		
			4.2) anchorage value for hooks 90° bend and 45° bend standards lapping of bars,		
			check for development length.		
28/04/2022		15	4.3) Numerical problems on deciding whether shear reinforcement is required or not,		
04/05/2022		15	4.3) check for adequacy of the section in shear.		
			Design of shear reinforcement;		

### LESSON PLAN

Degree/Diploma/+2 Science  
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### PROGRESS

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

Semester 4th Sem Branch CIVIL

Semester	Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
→ June 07/06/22	Th1	6.5) Detailing of reinforcement in stairs spanning	04	
09/06/22	Design - I	longitudinally.		
		7) Design of Axially loaded columns and footings (LSM)		
12/06/22 - 16/06/22		7.1) Assumptions in limit state of collapse- Compression.	03	
18/06/22 - 21/06/22		7.2) Definition and classification of columns, effective length of column- specification for minimum reinforcement; cover, maximum reinforcement, number of bars in rectangular, square and circular sections, diameter and spacing	05	
	do	of lateral ties.		
22/06/22 - 27/06/22		7.3) Analysis and design of axially loaded short square, rectangular and circular columns (with lateral ties only)	05	
29/06/22 - 02/07/22		7.4) Types of footing, Design of isolated square column, footing of uniform thickness for flexure and shear.	05	

Semester 4th Sem Branch CIVIL

Semester	Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
	Th1 SD-I			minimum shear reinforcement in beams (Explain through examples only)		
	↑			5) Analysis and Design of T-Beam (LSM)		
	16/06/2022		16	5.1) General features, advantages, effective width of flange as per IS: 456-2000		Mayurika
	10/05/2022	do	13	code provisions.		
	10/05/2022	do	13	5.2) Analysis of singly reinforced T-beam,		
	12/05/2022		12	strain diagram & stress diagram,		Mayurika
	12/05/2022		12	5.2) depth of neutral axis, moment of resistance of T-beam section with neutral axis lying Within the flange.		
	19/05/2022		15	5.3) simple numerical problems on deciding effective flange width (problems only)		
	21/05/2022		11	on finding moment of resistance of T-beam section When N.A. lies within		Mayurika

# PROGRESS

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

Semester 4th Sem Branch CIVIL

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
	Th-I SD-I		Orc up to the bottom of flange shall be asked in written examination).		
			6) Analysis and Design of slab and stair Case - (L sm)		<u>Mayurika</u>
→ 24/05/ 2022		15	6.1) Design of simply supported one-way slabs for flexure check for deflection		
			do	control and shear.	<u>Mayurika</u>
→ 01/06/ 2022		14	6.2) Design of one-way cantilever slabs and cantilevers chajjas for flexure check		
→ 02/06/ 2022		10	6.2) for deflection control and check for development length and shear.		<u>Mayurika</u>
, 04/06/ 2022		13	6.3) Design of two-way simply supported slabs for flexure with corner free to lift		
→ 06/06/ 2022		14	6.4) Design of dog- legged staircase		<u>Mayurika</u>
→ 07/06/ 2022		13	6.5) Detailing of reinforcement in		

# PROGRESS

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

Semester 4th Sem Branch Civil

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
	Th-I SD-I		Staircase spanning longitudinally.		
			→ Design of Axially loaded columns and footings (L Sm)		
→ 13/06/ 2022		15	7.1) Assumptions in limit state of collapse - compression		<u>Chaitanya</u>
→ 18/06/ 2022		14	7.2) Definition and classification of columns, effective length of column.		<u>Chaitanya</u>
	do		specification for minimum reinforcement		<u>Chaitanya</u>
→ 21/06/ 2022		11	7.2) Cover, maximum reinforcement, number of bars in rectangular square and circular sections, diameter and spacing of lateral ties.		<u>Chaitanya</u>
→ 22/06/ 2022		13	7.3) Analysis and design of axially loaded short square, rectangular and circular columns (with lateral ties only)		<u>Chaitanya</u>

# PROGRESS

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

Semester 4th Sem Branch civil

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## **COURSES ALLOTED**

**FOR DIFFERENT BRANCHES & SEMESTER (Degree/Diploma/+2 Science)**

Semester	Course No.	Course Title
6th	Th2	Construction Management

**N.B. : Submission of Annual Lesson Plan-cum-Progress Register and performance Report for Assessment are responsibility of each faculty member.**

**LESSON PLAN**

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

 Semester 6<sup>th</sup> Sem Branch Civil

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
March → 12/03/2022	Th2 - Construction Management ↑	1) Introduction to construction management 1.1) Aims and objectives of construction management.	02
		1.2) Functions of construction management.	
→ 15/03/2022		1.3) The construction team components - owner, engineer, architect, contractor - their functions and interrelationship and jurisdiction	02
		1.4) Resources for construction management - men, machines, materials, money	
	do	2) Constructional planning	
→ 21/03/2022		2.1) Importance of construction planning	03
		2.2) Developing work breakdown structure for construction work	
→ 25/03/2022		2.3) Construction planning stages pre-tender stage, post-tender stage	
		2.4) Construction scheduling by Bar charts - preparation of Bar charts for simple construction works.	02
		2.5) Preparation of schedules for labour, materials, machinery	
	↓	Finance for small works	

**PROGRESS**

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

 Semester 6<sup>th</sup> Sem Branch Civil

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
	Th2 - construction management		1) Introduction to Construction Management		
→ 12/03/2022	Management	19	1.1) Aims and objectives of construction management		
→ 14/03/2022	↑	22	1.2) Functions of construction management		
→ 15/03/2022		28	1.3) The construction team components		Manisha
			owner, engineer, architect, contractor -		
			1.3) their functions and interrelationship		
			ship and jurisdiction.		
→ 16/03/2022	do	17	1.4) Resources for construction management - men, machines, materials, money		Manisha
			2) Constructional planning		
→ 21/03/2022		25	2.1) Importance of construction planning		
→ 22/03/2022		24	2.2) Developing work breakdown structure for construction work		
→ 25/03/2022		24	2.3) Construction planning stages pre-tender stage, post-tender stage.		Manisha

**LESSON PLAN**

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

 Semester 6<sup>th</sup> Sem Branch Civil

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
→ 28/03/2022	Th2. Construction	2.6) Limitation of Bar charts	
	Management	2.7) Construction Scheduling by network techniques - definition of terms, PERT and CPM techniques, advantages and disadvantages of two techniques, network analysis, estimation of time and critical path application of PERT and CPM techniques in sample construction works.	02
		3) Materials and stores management	
→ 30/03/2022		3.1) Classification of stores - storage of stock.	02
→ 04/04/2022	do	3.2) Issue of materials - indent, invoice, bin card	02
		4) Construction site management	
→ 06/04/2022		4.1) Job lay out - objectives, Review plans, specifications, Lay out of equipments.	
		4.2) Location of equipment, organizing labour at site.	03
→ 12/04/2022		4.3) Job lay out for different construction sites.	02
		4.4) principle of storing material at site.	
		5) Construction Organization:	
→ 16/04/2022		5.1) Introduction - characteristics, structure, importance.	02
		5.2) Organization types - line and staff, functions and their characteristics	

**PROGRESS**

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

 Semester 6<sup>th</sup> Sem Branch Civil

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
→ 26/03/2022	Th2. Construction	24	2.4) construction scheduling by Bar charts preparation		
	Management		2.4) of Bar charts for simple construction works.		
			2.5) preparation of schedules for labour, materials, machinery, finance for small works		✓ Maresha
→ 28/03/2022		26	2.6) Limitation of Bar charts		
→ 29/03/2022		25	2.7) Construction scheduling by network techniques - definition of terms, PERT & CPM		
			2.7) techniques, advantages and disadvantages of two techniques, network analysis,		✓ Maresha
			2.7) estimation of time and critical paths,		
			application of PERT and CPM techniques		
			in sample construction works.		✓ Maresha
			3) material and stores management		
→ 30/03/2022		24	3.1) Classification of stores - storage of stock.		
→ 04/04/2022		23	3.2) Issue of materials - indent, invoice, bin card		✓ Maresha

**LESSON PLAN**

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

 Semester 6<sup>th</sup> Sem Branch Civil

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
→ 19/04/2022	Th2. Construction	5.3) principles of organization meaning and significance	
	Management	of terms - control, authority, responsibility, job & task.	02
	↑	5.4) Leadership - necessity, styles of leadership, role of leader	
→ 23/04/2022		5.5) Human relations- relations with subordinates, peers, supervisors, characteristics of group behaviour, mob psychology, handling of grievances, absenteeism, labour welfare	02
		5.6) Conflicts in organization- genesis of conflicts, types- intra-personal, interpersonal, inter-group, resolving conflicts	
do	6) Construction Labour and Labour management:-		
→ 26/04/2022		6.1) preparing Labour schedule	03
		6.2) Essential steps for optimum labour output	
May		6.3) Labour characteristics	
→ 07/05/2022		6.4) Wages & their payment	
		6.5) Labour incentives	03
↓		6.6) motivation- classification of motives, different approaches to motivation	

**PROGRESS**

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

 Semester 6<sup>th</sup> Sem Branch Civil

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
	Th2. Construction		4.4) Construction site management		
→ 06/04/2022	Management	22	4.1) Job Lay out- objectives, Review plans,		
→ 09/04/2022		24	4.2) Specifications, lay out of equipments.		
→ 11/04/2022		22	4.3) Location of equipments, organizing labour at site.		Marked
→ 12/04/2022		22	4.4) Job lay out for different construction sites.		
→ 13/04/2022		24	4.5) principle of storing material at site.		Marked
	do		5) Construction Organization:		
→ 16/04/2022		13	5.1) Introduction- characteristics, structures, importance.		
→ 18/04/2022		15	5.2) Organization types - line and staff, functions and their characteristics		
→ 19/04/2022		20	5.3) Principles of organization-meeting and significance of terms-control		Marked

**LESSON PLAN**

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

Semester 6th Sem Branch CIVIL

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
May → 11/05/2022	Th 2. Construction Management.	7.1) Equipment Management. 7.1.1) preparing the equipment schedule 7.1.2) Identification of different alternative equipment	03
		7.1.3) Importance of Owning & operating costs in making decisions for hiring & purchase of equipment	
→ 17/05/2022		7.4) Inspection and testing of equipment 7.5) Equipment maintenance	03
	do	8) Quality Control	
→ 21/05/2022		8.1) Concept of quality in construction	02
→ 24/05/2022		8.2) quality standards-during construction, after Construction, destructive & non destructive methods.	03
June		9) monitoring progress	
→ 01/06/2022		9.1) programme and progress of work 9.2) work study	03
→ 06/06/2022		9.3) Analysis and control of physical and financial progress corrective measures	03

**PROGRESS**

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

Semester 6th Sem Branch CIVIL

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
→ 20/04/2022	Th 2. Construction Management.	22	5.3) authority, responsibility, job & task.		
			5.4) Leadership-necessity, styles of leadership, role of leader		
→ 23/04/2022		22	5.5) Human relations-relations with subordinates, peers, supervisors,		X Mayfield
			5.5) characteristics of group behavior, mob psychology, handling of grievances, absenteeism, labour Welfare.		
do			5.6) Conflicts in organization-general types of conflicts, types - intrapersonal, interpersonals, intergroup, resolving conflicts.		X Maitha
→ 25/04/2022		22	6) Construction Labour and Labour Management!		
			6.1) preparing Labour Schedule		
→ 26/04/2022		20	6.2) Essential steps for optimum labour.		
→ 27/04/2022		21			

### LESSON PLAN

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

Semester 6<sup>th</sup> Sem Branch Civil

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
June	Th2 construction	10.1) Safety management In Construction	
→ 08/06/22	Management.	10.1) Importance of safety 10.2) Causes and effects of accidents in construction works	02
→ 10/06/22		10.3) Safety measures in work-sites for excavation, scaffolding, formwork, fabrication and erection, demolition.	
		10.4) Development of safety consciousness	03
do		10.5) safety legislation-workman's compensation act, contract labour act.	
→ 11/06/22		11) Role of vulnerability Atlas of India in construction projects	
		11.1) Introduction to vulnerability Atlas of India, Concepts of natural hazards and disasters and vulnerability profile of India Definition of disaster related terms.	03
		11.2) Earthquake hazard and vulnerability, Magnitude and Intensity scales of earthquake Seismic zones, earthquake hazard maps, types of structures and damage	

### PROGRESS

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

Semester 6<sup>th</sup> Sem Branch Civil

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
Th2, Constr.			Output		
→ 09/05/2022	Labour Management	22	6.3) Labour characteristics		
→ 10/05/2022		23	6.4) Wages & their payment		
→ 09/05/2022		22	6.5) Labour incentives		10/05/2022
10/05/2022		18	6.6) motivation-classification of motives, different approaches to motivation.		
			7) Equipment management		
→ 11/05/2022		19	7.1) preparing the equipment schedule		11/05/2022
→ 13/05/2022		18	7.2) identification of different alternative equipment		
→ 14/05/2022		17	7.3) importance of owning & operating costs in making decisions for		14/05/2022
			7.4) hiring & purchase of equipment.		
→ 17/05/2022		23	7.4) inspection and testing of equipment		
→ 18/05/2022		22	7.5) Equipment maintenance		18/05/2022

**LESSON PLAN**

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

Semester	6 <sup>th</sup> Sem	Branch	Civil	No. of Classes Required
Month & Date	Course No. & Title	Brief note of the topics to be covered		
	Th2. Construction	classification, effects in housing and resistant measures		
June	Management	11.3) Wind/Cyclone hazard and vulnerability, wind speed and pressures, wind hazard and cyclone occurrence maps,		
17/06/22		storm surveys and cyclone resistant measures.	5	
		11.4) flood hazard and vulnerability, flood hazard and flood prone areas of the country, General protection of habitats and flood resistant construction		
22/06/22	do	11.5) Landslides, Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps, measures against Tsunami hazards.	1	
		11.6) Housing vulnerability risk tables and usage of vulnerability atlas of India, inclusion of vulnerability atlas in Tender documents.		

**PROGRESS**

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

Semester	6 <sup>th</sup> Sem	Branch	Civil		
Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
21/05/2022	Th2. Construction	22	8.1) Quality Control		
24/05/2022	Management	22	8.1) Concept of quality in construction 8.2) Quality standards during construction, after construction, 8.3) destructive & non-destructive methods.		Mayurika
27/05/2022		24	8.4) monitoring progress		Mayurika
01/06/2022	do	24	9.1) programme and progress of work		
03/06/2022		21	9.2) Work study		Mayurika
06/06/2022		24	9.3) Analysis and control of physical and financial progress		
07/06/2022		23	9.4) Corrective measures.		Mayurika
08/06/2022		26	10.1) Safety management in construction		
10/06/2022		26	10.2) Importance of safety 10.3) Causes and effects of accidents		

# PROGRESS

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

Semester

6<sup>th</sup>

Sem

Branch

CIVIL

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
	1hr. construction management.		in construction works		
25/06/2022	Management.	{ 25	10.3) Safety measures in worksites for		
			10.3) excavation, scaffolding,		
			formwork, fabrication and erection,		<u>Manisha</u>
			demolition.		
11/06/2022		26	10.4) Development of Safety Consciousness		
			10.5) Safety legislation Workman's Compensation act, Contract labour act.		<u>Manisha</u>
13/06/2022		26	11) Role of Vulnerability Atlas of India in construction projects		
			11.1) Introduction to Vulnerability Atlas of India, Concepts of natural hazards		<u>Manisha</u>
			11.1) and disasters and vulnerability profile of India. Definition of disaster related terms.		<u>Manisha</u>

# PROGRESS

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

Semester 6th Sem Branch CIVIL

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
→ 13/06/2022	Th2: construction	25	11.2) Earthquake hazard and Vulnerability, magnitude and intensity scales		
	Management		↑ 11.2) of earthquake, Seismic zones, Earthquake, hazard maps,		<u>Manjusha</u>
			11.2) types of structures and damage		
			Classification, effects in housing		<u>Manjusha</u>
		do	and resistant measures.		
→ 17/06/2022		27	11.3) Wind/cyclone hazard and Vulnerability, wind speed and pressures, wind speed and pressures, Wind hazard and cyclone occurrence maps, storm		
					<u>Manjusha</u>
2nd half		25	11.3) Surveys and cyclone resistant measures.		
					<u>Manjusha</u>
→ 18/06/2022		25	11.4) Flood hazard and Vulnerability, flood hazard and flood prone areas of		
		↓			<u>Manjusha</u>

# PROGRESS

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

Semester 6<sup>th</sup> Sem Branch CIVIL

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
	Th2. Construction		the country, General protection of		
18/06/2022	Management	26	11.4) habitants and flood resistant construction.		<u>Manisha</u>
20/06/2022		26	11.5) Landslides, Tsunamis and Thunderstorm hazards and vulnerability,		<u>Manisha</u>
			11.5) Landslides, Thunderstorm incidence maps, measures against Tsunami hazards.		<u>Manisha</u>
			11.6) Housing vulnerability risk tables and usage of vulnerability atlas		<u>Manisha</u>
			11.6) of India, Inclusion of vulnerability atlas in Tender documents.		<u>Manisha</u>