Session :- Apr-May- 2025

Detailed Teaching Plan

Subject :- Entrepreneurship Development & Management

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
01	01	Introduction on Subject Entrepreneurship Development & Management	08/01/2025	08/01/25	
02	01	Concept of entrepreneur & intrapreneur. Defination of intrapreneur & entrapreneur.	09/01/25	09/01/25	
03	01	Characteristics of entrapreneur & intrapreneur Benefits of becoming intrapreneur & entrepreneur	10/01/25	10/01/25	
04	01	Scope of entrepreneurship in local market. Market analysis. Market survey.	11/01/2025	11/01/2025	
05	01	Scope of entrepreneurship in Global market. Global market Dissens. Platform.	15/01/2025	15/01/2025	
06	01	Planning for establishment of an enterprise. Discuss on planing of new Enterprise.	17/01/25	17/01/25	
07	01	Traits of successful intrapreneur, Team work. Swot analysis	18/01/2025	18/01/2025	
08	01	Swot analysis, Simulation	28/01/2025	28/01/2025	

MRITYUNJAY SAH

Detailed Teaching Plan

ure No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
	01	Traits of Successful entrepreneurs. Risk taking, Simulation exercise	29/01/2025	29/01/2025	
	01	History of entrapreneurship, entrapreneurs & intrapreneurs	30/01/2025	30/01/2025	
	01	Business opportunity Guidance	31/01/2025	31/01/2025	
	01	Business Opportunity Guidance	01/02/2025	01/02/2025	
	01	Discussion on New Technology Construction	3/02/2025	03/2/2025	
	01	Area of business of each student	04/02/2025	04/02/2025	
	01	Presentation on Successful Entrapreneurs & Entrapreneurs	05/2/25	05/2/25	

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Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
	02	Discuss on motivation.	06/02/25	06/2/25	
	02	Definition of motivation, Motives characteristics of motivation & Motives	14/02/2025	14/02/2025	
		& Motivation cycles in Detail.	18/02/2025	18/02/2025	
	02	Process involve in motivation cycle.	19/02/25	19/02/25	
	02	New Technology Construction (Discussion)	21/02/25	21/02/25	
	02	Concept of Need for Achivement.	24/02/25	24/02/25	
	02	Action plan to ~~achieve~~ Gain Achivement	25/02/25	25/02/25	
	02	Rly Toss Game	27/02/25	27/02/25	

Name - Mrityunjay Sahu.

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
	02	Play Toys Game Exercise in Class Room.	28/02/25	28/02/25	
	02	Boat making Exercise (Drawing)	01/03/25	01/03/25	
	02	Building Block Exercise	03/03/25	03/03/25	
	02	Presentation on TAT stories	04/03/25	04/03/25	
		Quiz-1	05/03/25	05/03/25	
	02	Action plan for self Development	07/03/25	07/03/25	
	02	Discussion on Live project (Model making) & Cy.	08/3/25	08/3/25	
		Quiz-2	10/03/25	10/3/25	

Name- Mrityunjay Sahu

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
	03	Introduction on Creativity & Innovation (Discussion)	11/03/25	11/03/25	
	03	Difference between Creativity & Innovation. with example.	17/03/25	17/03/25	
	03	Creativity, Divergent thinking with example.	18/3/2025	18/3/2025	
	03	Creativity Techniques	19/3/2025	19/3/2025	
	03	Innovation, Types of innovation	20/03/2025	20/03/2025	
	03	Application of Innovation with live example.	21/3/25	21/3/25	
	03	Product life cycle in Detail	22/3/25	22/3/2025	
	03	New Product Development Process.	24/3/25	24/3/25	
	03	Product development & innovation through creativity & innovation	26/03/2025	26/03/2025	
	03	〃	27/03/2025	27/03/2025	

Name - Mrityunj Sahu.

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
	03	Quiz - 3	29/3/25	29/3/25	
	04	Discussion on Critical Resources	01/4/25	01/04/25	
	04	Forms of business Organisation:- Proprietorship.	02/04/25	02/04/25	
	04	Proprietorship, Advantages. Disadvantages	03/04/25	03/04/25	
	04	Partnership, Advantages	04/04/25	04/04/25	
	04	Partnership disadvantages	07/04/25	7/4/25	
	04	Co-operative Society	21/4/25	21/4/25	
	04	Private, Public Ltd.	22/04/25	22/04/25	
	04	Institutional support for entrepreneurship. MSME	23/4/25	23/04/25	
	04	DTIC, CSIDC	24/4/25	24/4/25	
	04	NABARD, SIDBI	25/4/25	25/4/25	

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Name - Mrityunjay Sahu

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Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
	04	Entrepreneurship promotion schemes of centre and state	29/4/25	29/04/25	
		marketing mix, Marked survey	30/4/25	30/4/25	
	04	Market survey for project identification	01/5/25	01/5/25	
	04	Inventory control, Vendor development	02/5/25	02/5/25	
	04	Material movement, store management	03/5/2025	03/5/2025	
	04	manpower plan, Hiring process	06/5/2025	06/5/2025	
	04	Compensation, performance appraisal	8/5/25	8/5/2024	
	05	Format of business plan	9/5/25	9/5/25	
	5	Demand and annual production	10/5/25	10/5/25	

Name- Mrityunjay Sahu

07

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
	5	Demand and annual production target based on market survey.	13/05/2025	13/05/2025	
	5	Outline production/service process	14/05/2025	14/05/2025	
	5	land, building and machinery requirement	15/05/2025	15/05/2025	
	5	Power, utilities and raw material.	16/05/2025	16/05/2025	
	5	Fixed capital, working capital	17/05/2025	17/05/2025	
	5	Subsidy and cost of project	18/05/2025	18/05/2025	
	5	means of finance.	19/05/2025	19/05/2025	
	5	Calculation of interest	20/5/2025	20/5/2025	
	5	Profitability analysis	22/5/2025	22/5/2025	
	5	Break even point	23/5/2025	23/05/2025	

07

Abhijeet Sahu

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
	5	Fixed Capital, working capital	24/5/25	24/5/25	Revision
	5	Format of business plan	26/5/25	26/5/25	Revision
	5	Discussion on New Project	27/5/25	27/5/25	Revision
	5	NABARD . SIDBI	28/5/25	28/5/25	Revision
	5	History Process	29/05/25	29/05/25	Revision
	5	Product life cycle	30/05/25	30/5/25	Revison

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Name - Mrityunj Sahu

Subject :- Transportation Engg.

Session :- Apr- May 2025

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	
01	01	Introduction of Transportation Engg.	01/02/25	01/2/25	
02	01	Introduction	03/02/25	03/02/25	(Lab)
03	01	Highway Alignment, Geometric.	04/2/25	04/2/25	
04	01	Classification of Road as per IRC, Requirement of Highway Alignment Types of Road.	05/2/25	05/2/25	
	01				
	01				
05	01	Highway Alignment,	6/2/25	6/2/25	
6	01	factors controlling Alignment	14/2/25	14/2/25	
7	01	map study, Reconnaissance survey, Types of survey.	18/2/25	18/2/25	
8	01	Preliminary survey, Final location survey, drawing & reports.	19/02/25	19/02/25	
9	01	Highway Geometri-. Cross section elements - Pavements characteristics	21/02/25	21/02/25	
10	01	camber, width of pavement, traffic speed, kerbs, Road margin.	24/2/25	24/2/25	Lab
11	01	Formation width, right of way, typical cross section of road as per IRC	25/02/25	25/02/25	
12	1	Sight Distance, total Reaction time Technical terminology	26/02/25	26/02/25	
13	1	Stopping sight Distance, numerical	27/02/25	27/02/25	
14	1	Numerical	28/2/25	28/2/25	

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	
15	1	Q. Paper solved	01/03/25	01/03/25	
16	1	overtaking zones, sight distances at intersections.	2/03/25	2/03/25	
17	1	Horizontal Alignment, Horizontal curves, super elevation	3/03/25	3/03/25	
18	1	radius and degree of curve, extra widening of pavement at Horiz.	04/03/25	04/03/25	
19	01	objective of providing transition curves, Transition curve	5/3/25	5/03/25	
20	01	Vertical Alignment - gradient, classification of gradient.	7.3.25	7.3.25	
21	01	compensation in gradient at curves, vertical curves.	08/03/25	08/03/25	
22	1	Traffic Engineering. Traffic studies.	9/3/25	9/3/25	
23	1	Origin & Destination. Traffic Expt.	10/3/25	10/3/25	
24	1	PCU, capacity of Road as per IRC.	11/3/25	11/3/25	
25	1	Traffic Operation, Traffic regulation, traffic control devices, traffic sign	12/3/25	12/3/25	
26	01	Signal, road marking. channelization Traffic islands	17/3/25	17/3/25	
27	01	unchannelized & channelized intersection. Rotary intersection	18/3/25	19/3/25	
28	01	Advantages and limitation of traffic rotary.	20/3/25	20/3/25	
29	2	Pavement material & Highway (Introduction)	21/3/25	21/3/25	
30	2	significance of subgrade soil, CBR	22/3/25	22/3/25	
31	2	Stone Aggregates. Desirable properties of Road. ~~Test for~~	24/3/25	24/3/25	Lab
32	2	Test for road aggregates. Crushing test, Abrasion test	26/3/25	26/3/25	
33	2	Impact test, soundness test, shape test, soils & water as.	27/3/25	27/3/25	
34	2	Bituminous material Bitumen & Requirement	28/3/25	28/3/25	

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	
35	02	Test on Bitumen, Penetration test, Ductility test,	29/3/25	28/3/25	lab
		Advantages & Disadvantages			
36	02	Flash & fire point test, Softening Point test	01/04/25	01/04/25	
37	02	cut Back Bitumen, bituminous emulsion, tar, test on tar	02/04/25	02/04/25	
38	02	Earthwork - Excavation, equipment, embankment	03/04/25	03/04/25	
		Const. of embankment			
39	02	Compacting Equipment	04/04/25	04/04/25	
		Const. of Earth road.			
40	02	Const. of Gravel Road, WBM Road.	05/04/25	05/04/25	
		WBM Road.			
41	02	Const. of Bituminous Pavement	07/04/25	07/04/25	
		Types, surface dressing			
42	02	Const. of Cement Concrete	08/04/25	08/04/25	
		Material, Plants & equipment			
43	02	construction steps, joint in	09/04/25	09/04/25	
		cement concrete pavements			
44	02	Drainage of Road, Importance	21/04/25	21/04/25	
		of Road drainage, Requirement of Road drainage system.			
45	02	Surface drainage system, cross	22/4/25	22/4/25	
		drainage, subsurface drainage			

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	
46	3	Permanent way, Requirement	23/04/25	23/04/25	
		of ideal permanent way, gauge gauges, Concept of wheel			
47	3	Gradient, Types of gradient	24/4/25	24/04/25	
		grade compensation, Degree of curves, Cant			
48	03	superelevation, Transition curve	25/04/25	25/04/25	
		& its necessity, Extra widening.			
49	03	Ballast, function, Requirement	26/4/25	26/4/25	
		Types of Ballast, methods. Sleepers, function.			
50	03	Rails, Function of rail	28/4/25	28/4/25	
		Types of rail section, Creep Effect, Prevention.			
51	03	Rail fittings Purpose, types	29/04/25	29/04/25	
		Fish plates, clips, Keys			
52	03	Welding of rail joints,	30/4/25	30/4/25	
		Length of welded rail.			
53	4.	Points & crossings, Necessity	01/5/25	01/5/25	
		Important terms, points, switches, crossing Turnouts			
54	04	switch, Diamond crossing single & double slip	2/5/25	2/5/25	
		Station & Yards, classification and description of railway station			
55	04	Station Yards, Goods Yards	3/5/25	3/5/25	
		marshalling Engine shed Hump, Sand			

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Time
56	04	Objectives of signalling.	5/5/25	5/05/25	lab
		classification of signal (Discuss)			
57	04	Semaphore signal, dwarf signal, shunting signal, colour light signal	6/05/25	6/05/25	
58	04	Absolute Block system. Automatic Block system, Necessity.	8/5/25	8/05/25	
59	04	Function of interlocking.	9/05/25	9/05/25	
60	04	Locomotive yards, Derailing Switch	10/05/25	10/05/25	
61	04	Tooley marks, Buffer stops	13/5/25	13/5/25	
62	05	Classification of bridge, Acc to span, material,	14/5/25	14/11/25	
63	05	life, alignment, HFL, Loading level of bridge, flow.	16/5/25	16/5/25	
64	05	Site selection & Investigation. Factors affecting selection of site for bridge, bridge site investigation.	17/5/25	17/5/25	
65	05	waterway - economic span Afflux, scouring, free board, free board as per IRC	19/5/25	19/5/25	lab

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	
66	05	Bridge sub structure	20/5/25	20/5/25	
67	05	Bridge superstructure	22/05/25	22/05/25	Lab
		Permanent Bridges			
68	05	Construction . steps	23/05/25	23/05/25	
		involved in construction			
69	05	Erection of steel girders	24/5/25	24/5/25	Lab
		Erection of RCC Bridges			
70	05	Revision	27/05/25	27/05/25	
71	01	Revision	28/5/25	28/5/25	

Session:- Nov-Dec 2024

Detailed Teaching Plan

Subject - Geotech Engg

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
01	01	Introduction about Geotech Engg	27/08/2024	27/08/2024	
02	01	Introduction about wt, Volume & Classification of soil	28/08/2024	28/08/24	
03	01	wt. and Volume Relationships field application of geotechnical Engg. Defination of soil.	29/9/24	29/9/24	
04.	01	Soil as a three phase system, types of soil water, Void ratio, porosity, unit wt., density index water content.	30/09/2024	30/9/2024	
05.	01	Density index, relationship, specific gravity, and bulk density Index properties (introduction)	31/09/2024	31/9/2024	
06.	01	Particle size analysis, mechanical sieve analysis, Stoke's law, particle size distribution curve. Numerical	2/9/24	2/9/24	Lab
07.	0	Pipette method, Hydrometer method	03/09/2024	03/09/2024	

Session - Nov-Dec 2024

Subject - Geotech Engg.

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
08	02	Determination of coeff. of permeability by Constant Head Method	18/09/24	18/09/24	
09	02	Determination of coeff of permeability by falling Head. Method	19/9/24	19/9/24	Lab
10	02	Well Hydraulics, Aquifer, Aquiclude Aquifuge, coeff. of transmissibility	20/9/24	20/9/24	
11	02	Formula for discharge through unconfined and confined aquifer.	21/9/24	21/9/24	Lab
12	02	Seepage through earthen structures, head, gradient and Potential, seepage velocity	23/9/24	23/9/24	
13	02	quick sand condition	24/9/24	24/9/24	
14	02	Flow net, characteristics of flow net, application of flow net	25/9/24	25/9/24	Lab

Session - Nov-Dec 2024
Subject - Geotech Engg.

Detailed Teaching Plan

ure No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
15	03	shear strength of Soil - Introduction.	26/9/24	26/09/24	
16	03	Shear failure of soil, concept of shear strength of soil, components of shearing resistance of soil cohesion	30/9/24	30/09/24	Lab
17	03	Mohr-Colomb failure theory, strength envelope, Effective stress	01/10/24	01/10/24	
18	03	Effective pressure, mohr's circle.	03/10/24	03/10/24	Lab
19	03	Determination of shear strength, types of shear, Triaxial Test, Direct shear Test, Vane shear Test	04/10/24	04/10/24	Lab
20	03	Compaction of Soil and Earth pressure: Concept of compaction, Purpose of compaction field situation where compaction is required.	5/10/24	05/10/24	
21	03	Standard proctor test, Opt. moisture content, max' dry density	7/10/24	07/10/24	

Session - Nov-Dec 2024

Subject - Geotech Engg

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
22	4	Factors affecting compaction Fild methods of compaction rolling, ramming.	08/10/24	08/10/24	
23	04	Diff. Between Compaction & Consolidation	4/11/24	4/11/24	
24	04	Earth Pressure Active Earth pressure, Passive earth pressure, Neutral pressure	05/11/24	05/11/24	Labs
25	04	Rankine's Theory, Numerical	6/11/24	06/11/24	
26	04.	Calculation of active earth pressure & passive earth pressure.	08/11/24	08/11/24	
27	05.	Bearing Capacity of Soil. Concept of Bearing capacity of Soil	09/11/24	09/11/24	
28	05	Plate load Test, SPT	11/11/24	11/11/24	

Session - Nov-Dec 2024

Sub - Geotech Engg.

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
29	05	Stabilization of soil. Necessity of soil stabilization	12/11/24	12/11/24	
30	05	Different methods of soil stabilization - Mechanical, lime bitumen stabilization.	13/11/24	13/11/24	
31	05	Site investigation and sub soil Exploration. Necessity of site investigation. Methods of soil exploration open excavation	14/11/24	14/11/24	
32	05		16/11/2024	16/11/2024	
33	05	Methods of exploration. disturbed & undisturbed soil samples.	18/11/24	18/11/24	
34	05	Revision	19/11/24	15/11/24	

Daily Diary

Subject: Water Resource Engg.
Month: August.

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	27/8/24	10:30 - 11:30	Vth	WRE	Introduction to subject.	1	1	09	-	-	Radhas	Radhas
2	28/8/24	10:30 - 11:30	Vth	WRE	Hydrology - definati on and Hydrologic cycle.	1	1	13	-	-	Radhas	Radhas
3	30/8/24	10:30 - 12:30	Vth	WRE	forms of precipitation, measurement of Rainfall.	2	2.	13	-	-	Radhas	Radhas
4												
5												
6												
7												
8												
9												

Radhas

Sign of subject teacher

Daily Diary

Subject: WRE
Month: ~~Septb~~ September.

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Students Present	Reason if class not conducted	Uses of resources if any	Sign	H.O.D.
1	02/09/24	12:30 - 01:30	V	WRE	Rain Gauge types, advantages disadvantages & sources of errors	01	01	12	-	-	Pradhan	Pradhan
2	03/09/24	11:30 - 01:30	V	WRE	computation of annual Rainfall, losses from Precipitation	02	02	18	-	-	Pradhan	Pradhan
3	03/09/24	12:30 - 01:30	V	WRE	Infiltration, factors affecting infiltration	01	01	17	-	-	Pradhan	Pradhan
4	10/9/24	10:30 - 11:30 & 02:00 - 03:00	V	WRE	Runoff, factors affecting Runoff, computation of Runoff	02	02	17	-	-	Pradhan	Pradhan
5	12/09/24	10:30 - 11:30	V	WRE	Numerical on computation of Runoff	1	1	16	-	-	Pradhan	Pradhan
6	13/9/24	10:30 - 12:30	V	WRE	Numerical - Runoff, Hydrograph and unit Hydrograph, peak flood determination	02	02	17	-	-	Pradhan	Pradhan
7	17/9/24	10:30 - 11:30	V	WRE	Unit-2 Water Requirement of crops, Irrigation, Necessity	01	01	05	-	-	Pradhan	Pradhan
8	18/9/24	02:00 - 04:00	V	WRE	Benefits of irrigation, ill effects of irrigation	02	02	11	-	-	Pradhan	Pradhan
9	19/9/24	10:30 - 11:30	V	WRE	Types of irrigation	01	01	12	-	-	Pradhan	Pradhan
10	23/9/24	12:30 - 01:30	V	WRE	flood irrigation, furrow irrigation	01	01	16	-	-	Pradhan	Pradhan
11	24/9/24	10:30 - 11:30	V	WRE	contour farming, sub-surface irrigation	01	01	17	-	-	Pradhan	Pradhan
12	25/9/24	10:30 - 11:30	V	WRE	Sprinkler irrigation, drip irrigation	01	01	15	-	-	Pradhan	Pradhan

Pradhan.
Sign of subject teacher

Daily Diary

Subject: WRE
Month: Oct.

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	01/10/24	10:30 - 11:30	V	WRE	Drip Irrigation, Advantages of Drip Irrigation	01	01	14	—	—	Pradhan.	Pradhan.
2.	03/10/24	10:30 - 11:30	V	WRE	Disadvantages of drip irrigation, functions of irrigation water, crops classification	01	01	13	—	—	Pradhan.	Pradhan.
3.	08/10/24	10:30 - 11:30	V	WRE	Duty, delta, base period, cropping, GCA and CCA definitions.	01	01	05	—	—	Pradhan.	Pradhan.
4.	14/10/24	10:30 - 11:30 & 03:00 04:00	V	WRE	factors affecting duty, methods to improve duty, relation b/w duty and delta	02	02	09	—	—	Pradhan.	Pradhan.
5.	15/10/24	10:30 - 11:30	V	WRE	Numericals based on GCA & CCA	01	01	20	—	—	Pradhan.	Pradhan.
6	17/10/24	10:30 - 11:30	V/M	WRE	Numericals based on Duty and delta.	01	01	20	—	—	Pradhan.	Pradhan.
7.	18/10/24	10:30 - 11:30	V/M	WRE	Numericals based on Duty and delta	01	01	16	—	—	Pradhan.	Pradhan.
					X	X						
					maternity Leave							

Pradhan.
Sign of subject teacher

Subject: Building Construction
Month: September.

Daily Diary

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	04/09/24	11:30 - 01:30	III-rd	B.C.	Introduction, components of building	2	2	09	-	-	Pradhan.	Pradhan.
2	10/9/24	11:30 - 01:30	III rd	BC:	Load bearing and frame structure, and their comparision	01	01	13	-	-	Pradhan.	Pradhan.
3.	11/9/24	11:30 - 12:00	III rd.	BC.	Bearing capacity of soil, Types of foundation.	02	02	19	-	-	Pradhan.	Pradhan.
4.	12/9/24 Today	12:30 - 01:30 & 02:30	III rd	BC.	~~Pile foundation and its types~~ Shallow foundation & its types	02	02	16			Pradhan	Pradhan
5.	18/9/24	11:30 - 01:30	III	BC	~~pile~~ deep foundation, pile foundation and its types	02	02	12	-	-	Pradhan.	Pradhan.
6.	21/9/24	10:30 - 12:30	III	BC	types of piles, precast piles & doubt class.	02	02	04	-	-	Pradhan.	Pradhan.
7	24/9/24	10:30 - 11:30	III	BC	Advantages & disadvantages of precast piles	01	01	14	-	-	Pradhan	Pradhan.
8.	25/9/24	11:30 - 01:30	III	BC	Cast in situ piles, composite piles, well foundation, selection of foundation	02	02	18	-	-	Pradhan	Pradhan.
9.	26/9/24	12:30 - 01:30	III	BC	pier foundation, masonary - glossary terms.	01	01	13	-	-	Pradhan	Pradhan.

Pradhan.
Sign of subject teacher

Daily Diary

Subject: Building Const-
Month: October

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	03/10/24	10:30-01:30	III	BC	Glossary Terms, bonds in walls - Stretcher bond	01	01	21	-	-	Fradhas	Fradhas.
2	05/10/24	10:30-11:30	III	BC	English Bond, Single flemish Bond	01	01	12	-	-	Fradhas	Fradhas.
3.	15/10/24	4:00-5:00	III	BC	Double flemish bond, Garden wall bond, Raking bond.	01	01	16	-	-	Fradhas	Fradhas
4.	16/10/24	11:30-01:30	III	BC	Comparision b/w English & flemish bond, & Dutch bond.	01	01	13	-	-	Fradhas	Fradhas.
5	17/10/24	12:30-01:30 & 02:00-03:00	III	BC	Comparision b/w stone & brick masonary, Types of stone masonry.	02	02	16	--	-	Fradhas	Fradhas.
					X		X					
					maternity leave							

Fradhas.
Sign of subject teacher

QSC-1

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
1.	1	Introduction of units	27 08 2024	27 08 2024	Pradhan.
2.	1	Specification & Types	28 08 2024	28 08 2024	Pradhan.
3.	1	General Specification of Third & fourth class & estimate & its Purpose	29 08 2024	29 08 2024	Pradhan.
4.	1	Types of Estimate	30 08 2024	30 08 2024	Pradhan
5.	1	Approximate Estimate	31 08 2024	31 08 2024	Pradhan.
6.	2	units of measurement & long wall & short wall	2 09 2024	2 09 2024	Pradhan.
7.	2	long wall & short wall Method	4 09 2024	4 09 2024	Pradhan.
8.	2	long wall short wall Numerical	9 09 2024	9 09 2024	Pradhan
9.	2	long wall short wall Numerical	10 09 2024	10 09 2024	Pradhan.

Bhavesh Anand

QSC-1

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
10.	2	Center line method	11 09 2024	11 09 2024	Pradhan.
11.	2	Center line method	14 09 2024	14 09 2024	Pradhan
12.	2	Doubt session unit - I	17 09 2024	17 09 2024	Pradhan.
13.	2	Doubt session of unit - 2	21 09 2024	21 09 2024	Pradhan.
14.	1	T.E. objectives & Road user characteristics	24 09 2024	24 09 2024	Pradhan.
15.	1	T.E Vehicle characteristics	25 09 2024	25 09 2024	Pradhan
16	1	Gradient & its types & friction both type & Road	26 09 2024	26 09 2024	Pradhan.
17.	1	Reaction time & PIEV	30 09 2024	30 09 2024	Pradhan.
18.	2.	Traffic study & Traffic Volume study	01 10 2024	01 10 2024	Pradhan.

Bhavesh Anand

Traffic Engineering

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
1.	I	Introduction of Units	27/08/2024	27/08/2024	Pradhan.
2.	II	Longwall & Shortwall	5/09/2024	5/09/2024	Pradhan.
3.	II	Numerical of Longwall & Shortwall	9/09/2024	9/09/2024	Pradhan.
4.	II.	Longwall & Shortwall	10/09/2024	10/09/2024	Pradhan.
5.	II	center line method	12 Sep 2024	12/09/2024	Pradhan.
6.	II.	center line method	13/09/2024	13/09/2024	Pradhan
7.	II.	Doubt class unit I	17/09/2024	17/09/2024	Pradhan.
8.	II.	Hexagon Room Numerical	19/09/2024	19/09/2024	Pradhan.
9.	II.	Inclined Wall Room Numerical	21/09/2024	21/09/2024	Pradhan

Bhavesh Anand Dhawan

Traffic engineering

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
10.	11.	Traffic engineering objective & Road user characteristics	24 09 2024	24 09 2024	Pradhan
11.	1.	Reaction time, PIEV	30 09 2024	30 09 2024	Pradhan
12	1	Traffic study & Traffic Volume study	01 10 2024	01 10 2024	Pradhan
13	2	O&D study	03 10 2024	03 10 2024	Pradhan
14	2	Speed study	04 10 2024	04 10 2024	Pradhan
15	2	Speed studies	14 10 2024	14 10 2024	Pradhan
16	1,2	Revision of unit 1&2	15 10 2024	15 10 2024	Pradhan
17	1,2	CT-1 Qsc-1	16 10 2024	16 10 2024	Pradhan
18	2	O&D Types	17 10 2024	17 10 2024	Pradhan
19.	1,2	CT-1 Traffic	18 10 2024	18 10 2024	

Bhavesh Anand

Building Drawing & CAD

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
1.	Unit-1	Size of Drawing, layout, Scale, Title Block	04 09 2024	04 09 2024	Fladhar
2.	Unit-1	Symbols of Door & window	05 09 2024	05 09 2024	Fladhar
3.	Unit-1	Symbols of sanitary, Electrical & Plumbing fitting	09 09 2024	09 09 2024	Fladhar
4.	Unit-1	Building Bye law, Basic Elements of Building	10 09 2024	10 09 2024	Fladhar
5.	Unit-2	Building Plan & Elevation	11 09 2024	11 09 2024	Fladhar
6.	Unit-2	sectional Drawing	12 09 2024	12 09 2024	Fladhar
7.	Unit-3	Building Plan, section, Elevation	12 09 2024	12 09 2024	Fladhar
8.	Unit-3	Ques. Paper solution Plan, section elevation	13 09 2024	13 09 2024	Fladhar
9.	Unit-3	Building Plan, Section, Elevation	17 09 2024	17 09 2024	Fladhar

Bhavesh Anand

Building Drawing & CAD

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
10.	3	plan	19 09 2024	19 09 2024	Pradhan.
11.	3	Plan, section Doubt	20 09 2024	20 09 2024	
12.	3	Plan Section Elevation	24 09 2024	24 09 2024	
13.	3	Plan, Section, Elevation	25 09 2024	25 09 2024	Pradhan.
14.	3	Plan Section Elevation	26 09 2024	26 09 2024	Pradhan.
15	3	Plan, section Elevation & AutoCAD Introduction	28 09 2024	28 09 2024	Pradhan
16.	3.	Building Planning	30 09 2024	30 09 2024	Pradhan.
17.	3.	Planning	01 10 2024	01 10 2024	Pradhan.
18	3	Planning of 2 BHK House	03 10 2024	03 10 2024	Pradhan.
19	3	Planning of 3 BHK House	04 10 2024	04 10 2024	Pradhan

Bhavesh Anand Dhawan

Building Draw & CAD

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
20.	3	Revision Plan, Section	05 10 2024	05 10 2024	Pradhan.
21.	3	Plan, Section, Elevation	07 10 2024	07 10 2024	Pradhan.
22.	3	Elevation Revision	08 10 2024	08 10 2024	Pradhan.
23	4	Door, Elevation, Section	14 10 2024	14 10 2024	Pradhan.
24	3	Truss & Its types	15 10 2024	15 10 2024	Pradhan.
25	4	Glazed & Panelled door	16 10 2024	16 10 2024	Pradhan
26	4	Double leaf Glazed & Panelled Door	17 10 2024	17 10 2024	Pradhan.
27	2	Line, UNITS, Ortho, offset	18 10 2024	18 10 2024	
28	4	Door, Classification	19 10 2024	19 10 2024	
29	4	Window Panelled & Glazed	21 10 2024	21 10 2024	

Bhavesh Anand Dhanuka

Building Drawing & CAD

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
30	4	Bay window	22/10/2024	22/10/2024	
31	4	Stair & its component Types of stair	23/10/2024	23/10/2024	

Bravesh Anand

Daily Diary

Subject:

Month:

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	12/9/24	11:30-12:30	3rd	Survey	Chain Survey, and Types.	1	1	16			Tgeeden	Pradhan
2	13/9/24	2-4	3rd	Survey	Numericals, Instrument used in surv	1	1	16			Tgeeden	Pradhan.
3	18/9/24	9-11	3rd	Survey	Main survey line, check line, Tie.	2	1	14			Tgeeden	Pradhan.
4	19/9/24	11:30-12:30	3rd	Survey	Areas, Find out (Numrical)	1	1	13			Tgeeden	Pradhan.
5	24/9/24	10:30-12:30	3rd	Survey	Types of Vernier Scale	1	1	16			Tgeeden	Pradhan.
6	25/9/24	2-4pm	3rd	Survey	Chain Survey / Area Calculation	1	1	18			Tgeeden	Pradhan.
7	26/9/24	11:30-12:30	3rd	Survey	Error on Chain Survey	1	1	12			Tgeeden	Pradhan.
8	27/9/24	10:30-12	3rd	Survey	Correction on Survey	2	1	14			Tgeeden	
9	30/9/24	2-4	3rd	Survey	Numerical Error or Correction	1	1	17			Tgeeden	
10												

Name: Survey - I

Month: Oct.

Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1/10/24	10:30-12:30	3rd	Survey	Compass Survey introduction	1	1	19				Madhan
11/10/24	11:30-12:30	3rd	Survey	Prismatic Compass	1	1	8				Madhan
15/10/24	10:30-12:30	3rd	survey	WCB or QB	1	1	16				Madhan
16/10/24	2-4pm	3rd	Survey	Numerical WCB or QB	1	1	13				Madhan
25/10/24		3rd	Survey	Numerical QB to WCB	1	1	16				

Surveying - I

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
1	Unit (1)	Chain Survey and Types	4/9/2024	4/9/2024	
2	1/.	Name of Instrument used to Survey	9/9/2024	9/9/2024	
3	1/.	Plane and Geodetic Survey use of line Ranger	11/9/2024	11/9/2024	
4	1/.	Obstacles in chaining, Principal of Survey	12/9/2024	12/9/2024	
5	1/.	Error in chain Survey and Correct symbols and Signs to indicate grouned features.	13/9/2024	13/9/2024	
6	1/.	Line ranger chaining on plane and slopping ground.	14/9/2024	14/9/2024	
7	1/.	Principal of chain Triangulation Direct Indirect.	17/9/2024	17/9/2024	
8	1/.	Open cross staff. optical Square and Prisme Square.	18/9/2024	18/9/2024	
9	Unit-2	Introduction of Compass Survey	23/9/2024	23/9/2024	

Leeee Jeedan.

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
10	2/-	Traverse Survey, open and closed Traverse.	23/9/2024	23/9/2024	
11	2/-	Name of instrument used for measurement of direct and angle.	29/9/2024	29/9/2024	
12	2/-	Bearing angle, and meridian calculate angle.	25/9/2024	25/9/2024	
13	2/-	magnetic Compass, temporary adjustment.	26/9/2024	26/9/2024	
14	2/-	local Attraction, direct correct	27/9/2024	27/9/2024	
15		magnetic declination and	28/09/2024		
16	2/-	calculate of included angle.		28/9/2024	
17	2/-	Comparation between Surveyor and prismatic Compass.	30/9/2024	30/9/2024	
18	2/-	magnetic dip	14/9/2024	14/9/2024	
19	2/-	fore Bearing and back Bearing	15/9/2024	15/9/2024	
20	2/-	Convertion of Bearing System	26/9/2024	26/9/2024	

Detailed Teaching Plan

	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
21	Unit-3	Levelling → Dumpy level, Tilting level, levelling	18/10/2024	18/10/2024	
22	3/-	Telescope and axis of Bubble tube.	21/10/2024	21/10/2024	
23	3/-	classification of levelling.	22/10/2024	22/10/2024	
24	3/-	simple, differential and Flying	23/10/2024	23/10/2024	
25	3/-	Profile and cross sectional levelling	24/10/2024	24/10/2024	
26	3/-	Correction for Curvature and refraction and Related Examples	25/10/2024	25/10/2024	
27	3/-	Error in levelling	11/11/2024	11/11/2024	
28	3/-	Balance for fore side and Back side Reading.	12/11/2024	12/11/2024	
29	3/-	Digest of instrument method	13/11/2024	13/11/2024	
30	Unit-4	axis of bubble tube.	14/11/2024	14/11/2024	
31	4/-	contour Interval, Horizontal equivalent.			
		Uses of Contours.			

Leave reader.

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
32	4/-	Characteristics of Contours.	18/11/2024		
33	4/-	Uses of Contours maps			
34		Drawing of Section.	19/11/2024		
35	4/-	Preparation of Contours maps.	20/11/2024		
36	4/-	Tracing of Contours gradient	21/11/2024		
37		measurement of Contours drainage			
	4/-	area.	22/11/2024		
38		Calculation of capacity of			
	4/-	Reservior.	23/11/2024		
39	4/-	uses of toposheet.	25/11/2024		
40	Unit-5	Setting of plane table.			
41	5/-	Radiation. Intersection and Resection.	26/11/2024		
42	5/-	Error in plane table.	27/11/2024		
43	5/-	Principal of plane table.	28/11/2024		
44	5/-	Advantage and disadvantages of plane table.	29/11/2024		
45	5/-	method of plan table.	30/11/2024		

Lecture plan.

Construction Material

Detailed Teaching Plan

3rd Semm Civil Branch

Lecture No.	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
1	Unit-1 Stone, Agg. Bricks	↳properties of construction material ↳Importance of Building material	3/3/2024	3/3/2024	
2	1/-	Basic properties of Building material	4/3/2024	4/3/2024	
3	1/-	Criteria for Selection of construction material,	5/3/2024	5/3/2024	
4	1/-	Physical and chemical classification of Rock.	6/3/2024	6/3/2024	
5	1/-	method of quarring and dressing of Stone.	7/3/2024	7/3/2024	
6	1/-	Grading of Agg. Bulking of sand	8/3/2024	8/3/2024	
7	1/-	Properties of good building bricks	10/3/2024	10/3/2024	
8	1/-	defect of clay brick.	11/3/2024	11/3/2024	
9	1/-	Fly Ash/ Hollow brick need/ properti	12/3/2024	12/3/2024	
10	Unit2	↳ingredient used for manufacturing of cement.	17/3/2024	17/3/2024	
11	Binding Material	wet process and dry process	18/3/2024	18/3/2024	
12	2/-	Types and grade of cement.	19/3/2024	19/3/2024	
13	2/-	Ordinary portland cement	20/3/2024	20/3/2024	
14	2/—	low Heat cement.			
		Super Sluphate cement.			

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
15	2/-	Cement admixture and their application, per requirement.	21/3/2024	21/3/2024	
16	2/-	Classification of mortar, characteristics of a good mortar.	24/3/2024	24/3/2024	
17	2/-	Laboratory test of cement: consistency, setting time.	26/3/2024	26/3/2024	
18	2/-	chemical composition of cement			
19	2/-	Portland slag cement, white and coloured cement.	27/3/2024	27/3/2024	
20	2/-	Introduction effects use and classification of puzzolanas.	28/3/2024	28/3/2024	
21	Unit-3 Flooring material	Introduction of flag stone floor, cement concrete floor.	29/3/2024	29/3/2024	
22	3/-	Granite flooring, PVC tiles, Linoleum floor, Paver Blocks, wooden tiles.	30/3/2024	30/3/2024	
23	3/-	Roofing materials → Roof covering material, bamboo mat	1/3/2024	1/3/2024	
24	3/-	galvanized iron sheet, asbestos cement sheet, Aluminium sheets, polycarbonate roofing	4/3/2024	4/3/2024	
25	3/-		5/3/2024	5/3/2024	
			7/3/2024	7/3/2024	

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
26	3/-	material used for false celling,	8/4/2024	8/4/2024	
27	3/-	Gypsumm Boarad, fiber celling wooden ceiling	9/4/2024	9/4/2024	
28	3/-	Glass ceilling, metal celling	11/4/2024	11/4/2024	
29		cladding material → clay			
30	3/-	Tiles, Stone cladding, Timber cladding,	12/4/2024	12/4/2024	
31	3/-	Aluminiumm cladding, steel cladding, Aluminium composite	16/4/2024	16/4/2024	
		synthetic leather ceilling,	17/4/2024	17/4/2024	
	3/-	Gypsumm Board ceiling,	21/4/2024	21/4/2024	
32	Unit-4	Timber, Glass Steel, Aluminium and Plastic introduction	22/4/2024	22/4/2024	
33	4/-	Properties of timber.			
34	4/-	requirment of timber to be used for building.	23/4/2024	23/4/2024	
35		Seasning of timber,	24/4/2024	24/4/2024	
36	4/-	Preservation of timber.	25/4/2024	25/4/2024	

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
37	4/-	characteristics and performance of glass,	26/4/2024	26/4/2024	
38	4/-	Properties and uses of mild steel	29/4/2024	29/4/2024	
39	4/-	Thermo plastic and thermoset material,	30/4/2024	30/4/2024	
40	4/-	uses of rubber in Building Construction.	31/4/2024	3/4/2024	
41	Unit 5	Miscellneous Building material	1/4/2024	1/4/2024	
42	5/-	fire Proofing material, and Acoustic material,	2/4/2024	2/4/2024	
43	5/-	Heat insulating material,	3/4/2024	3/4/2024	
44	5/-	Adhesive material, and water Proofing material,	6/4/2024	6/4/2024	
45	5/-	Explain Bitumein tar and Ashphalt-form of Bitumeen,	7/4/2024	7/4/2024	
46	5/-	Properties and water Proofing material,	9/4/2024	9/4/2024	
47	5/-	Coating material,	10/4/2024	10/4/2024	
48	5/-	Enamel paint and Varnish and it's types.	13/4/2024	13/4/2024	
			14/4/2024	14/4/2024	

Subject: SDD-I

Month: August

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	27/8/24	2-3PM	5th	SDD I	Introduction	1	1	07				Pradhan
2	28/8/24	10:30-11:30	5th	SDD-I	Rcc Adv. & Disadvantges. IS code 456-2000	1	1	07				Pradhan
3	29/8/24	12:30-1:30 2-4PM	5th	SDD I	Types of steel used in Rcc & Differend mixes of Rcc work	2	1	12				Pradhan
4	30/8/24	12:30-1:30	5th	SDD I	Draw Back of WSM And Differend Mix of Concrete.	1	1	13				Pradhan
5	2/9/24	10:30-1:30	5th	SDD-I	Singley Reinforced Beam	2	1	12				
6												
7												
8												
9												

Sign of subject teacher

Subject: SDD-I

Month: Sept.

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	2/9/24	10:30-11:30	5th	SDD-I	Singley Reinforced Beam	2	1	12			Jyothi	Pradhan
2	3/9/24	2-3Pm	5th	SDD-I	Singley Reinforced Beam	2	1	18			Jyothi	Pradhan
	3/9/24	12:30-1:30	5th	SDD-I	— " —		1	18				
3	4/9/24	10:30-11:30	5th	SDD-I	Balanced section (singley Reinf^d Beam)	1	1	16			Jyothi	Pradhan
	4/9/24	2-4Pm	5th	CM & SDD-I	— Introduction	1	1	09			Jyothi	
4	9/9/24	10:30-11:30, 2-4	5th 3rd	SDD-I surveying	Numerical, singley beam — Introduction,	1	1	15			Jyothi	Pradhan.
5	11/9/24	10:30 11:30	5th	SDD-I	Numerical Singley Beam	1	1	17			Jyothi	Pradhan.
6	12/9/24	12:30-1:30 to 2-4 PM	5th	SDD-I	Permissible stresses in steel and Concrete,	1	1	16			Jyothi	Pradhan
7	13/9/24	12:30 - 1:30	5th	SDD-I	main, Length of Reinf. Inside support dead + live	1	1	17			Jyothi	Pradhan.
8	14/9/24	10:30 - 11:30	5th	SDD-I	IS code Norms. + Numerical doubley	1	1	13			Jyothi	Pradhan
9	17/9/24	2-3Pm	5th	SDD-I	Numerical doubley Reinforced + Assumption	1	1	04			Jyothi	Pradhan

Sign of Subject teacher Jyothi.

Daily Diary

Subject: SDD-1
Month: Sep.

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No. of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	18/9/24	8-9 AM	5th	SDD-1	Doubly Reinf^n Section	1	1	10			[illegible]	Pradhan
2	19/9/24	12:30 - 1:30	5th	SDD-1	Moment of Resistance Calculat^n	1	1	12			[illegible]	Pradhan
3	23/9/24	10:30 - 12:30	5th	SDD-1	Limit state method	1	1	16			[illegible]	Pradhan
4	24/9/24	2-3 PM	5th	SDD-1	Balanced Section, under Reinf sec^n	2	1	17			[illegible]	Pradhan
5	25/9/24	10:30 - 11:30	5th	SDD-1	Relim. % of steel	1	1	14			[illegible]	Pradhan
6	26/9/24	12:30-1:30 2-4 pm	5th	SDD-1	Moment of Resistance (LSM)	1	1	15			[illegible]	Pradhan
7	27/9/24											
8	28/9											

Class: SDD-I
Month: Oct.

S.No.	Date	Time	Sem	Subject	Topic Taught	No of Periods planned	No.of periods Actually taken	No. of Studnets Present	Reason if class not conducted	Uses of resourses if any	Sign	H.O.D.
1	1/10/24	2-3 PM	5th	SDD-I	Numerical (WSM) singley	1	1	19			[signature]	[signature]
2	3/10/24	12:30-1:30	5th	SDD-I	Singley Beam	1	1	13			[signature]	[signature]
3	4/10/24	11:30-1:30	5th	SDD-I	Flexural Member	2	1	14			[signature]	[signature]
4	5/10/24	10:30-11:30	5th	SDD-I	Doubley Reinforced section	1	1	11			[signature]	[signature]
5	14/10/24	10:30-11:30	5th	SDD-I	Doubley Reinfn Numerical	1	1	09			[signature]	[signature]
6	16/10/24	10:30-11:30	5th	SDD-I	Find Area of steel, in doubley Reinfn	1	1	19			[signature]	[signature]
7	17/10/24	2-4 pm	5th	SDD-I	Column Introduction	1	1	20			[signature]	[signature]
8	18/10/24	12:30-1:30	5th	SDD-I	IS-Code } column }	1	1	16			[signature]	[signature]
9	21/10/24		5th	SDD-I	Long column and short colum	1	1	14	14		[signature]	
10	22/10/24		5th	SDD-I	Numerical short column	2	1	14	14		[signature]	
11	23/10/24		5th	SDD-I	long column Intro.	1	1	15	15		[signature]	
12	25/10/24		5th	SDD-I	Helical Reinfn column	1	1	13			[signature]	

Surveying - II

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
1	Unit-1	Introduction to theodolite.	5/3/2025	5/3/2025	
2	Theodolite Survey	Sketch the Parts of Transit Theodo			
3	1/-	Temporary adjustment of a Theodolite.	6/03/2025	6/3/2025	
4	1/-	Method of measuring horizontal angle and vertical angles.	8/3/2025	8/3/2025	
5	1/-	Fundamental axis of Theodolite	10/3/2025	10/3/2025	
6	1/-	Error in theodolite Survey.	11/3/2025	11/3/2025	
7	1/-	Reading on main Scale and Vernier Scale.	12/3/2025	12/3/2025	
8	1/-	Defination and Various technical Terms.	17/3/2025	17/3/2025	
9	Unit-2	Introduction			
10	Techometry	Principal of tacheometric Survey	19/3/2025	19/3/2025	
11	2/-	Instrument used in Tacheometry	21/3/2025	21/3/2025	
12	2/-	Method of Tacheometry.	24/3/2025	24/3/2025	
13	2/-	Principal of stadia-tacheometry			

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date
14	2/—	Anallatic lens. advantages and disadvantages.	27/3/2025	
15	2/—	Method of fixed Hair method.	28/3/2025	
16	2/—	Advantages and disadvantages of Tangential method.	1/4/25	
17	2/—	General arrangment of field work.	2/4/2025	
18	2/—	Error in Stadia Tacheometry	3/4/2025	
19	2/—	Various opresion in Techeometry.	4/4/2025	
20	Unit-3 Curves	Introduction, Types of circular curve!	5/4/2025	
21		Relation Between Radius and degree of curve.	7/4/2025	
22		Element of Simple circular curve.	8/4/2025	
23		Setting out Simple circular curve.	9/4/2025	

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
24	3/-	Linear method and Angular method of Location of Tangent	11/4/2025	11/4/2025	
25	3/-	Introduction to transition curve Vertical curve and their purpose.	12/4/2025	12/4/2025	
26	3/-	Long chord by Successive bisection of arcs.	15/4/2025	15/4/2025	
27	3/-	Offset from chord Produced.	16/4/2025	16/4/2025	
28	Unit-4 4/-	Modern Surveying Technique. Introduction	17/4/2025	17/4/2025	
29	4/-	Basic of digital theodolite Introduction and Principal of EDM	21/4/2025	21/4/2025	
30	4/-	Introduction and Basic of Total Station.	22/4/2025	22/4/2025	
31	4/-	Surveying using total Station	23/4/2025	23/4/2025	
32	4/-	Setup total station (centering.	24/4/2025	24/4/2025	
33	4/-	Leveling and Orientation.	25/4/2025	25/4/2025	

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
34	4/-	Electronic data recording	25/4/2025	25/4/2025	
35	4/-	Fundamental Parameter of total Station.	25/4/2025	25/4/2025	
36	Unit-5 GIS & GPS	Introduction, Definition of GIS	26/4/2025	26/4/2025	
37	5/-	objective of GIS,			
38	5/-	Tools of representation of feature point.	26/4/2025	26/4/2025	
39	5/-	Data Structure of GIS.	28/4/2025	28/4/2025	
40	5/-	Application area of GIS. Remote Sensing. and GIS.	28/4/2025	28/4/2025	
41	5/-	Introduction to GPS, Surveying Technique.	29/4/2025	29/4/2025	
42	5/-	Uses and application of GPS.	29/4/2025	29/4/2025	

SDD-II

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
1	Unit-1	Introduction to IS 800:2007			
2	8/1/2025	Structure Steel and properties of steel	8/1/2025	8/1/2025	
3	9/1/2025	Standread structure steel	9/1/2025	9/1/2025	
4	10/1/2025	Permissible stress in steel	10/1/2025	10/1/2025	
5	11/1/2025	Limit State design	11/1/2025	11/1/2025	
6	14/1/2025	Limit State of strength.	14/1/2025	14/1/2025	
7	15/1/2025	Limit State of Serviceability	15/1/2025	15/1/2025	
8	18/1/2025	design strength.	18/1/2025	18/1/2025	
9	20/1/2025	Partial safety factor for material	20/1/2025	20/1/2025	
10	22/1/2025	Load and Load Combination	22/1/2025	22/1/2025	
11	23/1/2025	maximum effective slender ratio.	23/1/2025	23/1/2025	
12	1/-	working stress method	27/1/2025	27/1/2025	
13	1-	Introduction of plastic Analysis	29/1/2025	29/1/2025	
14	1/-	Principal of virtual work	30/1/2025	30/1/2025	
15	1/-	collaps method of simple beam	31/1/2025	31/1/2025	
16	Unit-2	design of Bolted and welded Connection.	1/2/2025	1/2/2025	

Course Teacher

Detailed Teaching Plan

Lecture No.	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
17	2.1 –	Types of Bolts Defination of general terms	4/2/2025	4/2/2025	
18	2.1 –	related to bolting.	5/2/2025	5/2/2025	
19	2.1 –	Permissible Stress in Bolt	10/02/2025	10/2/2025	
20	2/-	Types of Bolted Joint			
21	2.1 –	Specification of IS 800:2007	11/2/2025	11/2/2025	
22	2.1 –	failure of Bolted Joint	12/2/2025	12/2/2025	
23	2.1 –	Design of Bolted Connection	18/2/2025	18/2/2025	
24	2.1 –	Types of welded joint	25/2/2025	25/2/2025	
25	2.1 –	Strength of welded joint	26/2/2025	26/2/2025	
26	2.1 –	design of welded joint	27/2/2025	27/2/2025	
27	Unit-3	axially loaded member design of Tension and Compression member	28/2/2025 3/3/2025	28/2/2025 6/2/2025	
28	3/-	Types of Tension member.	4/3/2025	7/2/2025	
29	3/-	Section used as Tension	5/3/2025	8/2/2025	

Leela Geeky

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
39	Unit-4	Design of Column Base	1/4/2025	1/4/2025	
40	4/-	Type of Column Base	2/4/2025	2/4/2025	
41	4/-	Slab Base and Gusseted Base	3/4/2025	3/4/2025	
42	4/-	Design of M.S Slab Base	4/4/2025	4/4/2025	
43	4/-	Clear angles,	5/4/2025	5/4/2025	
44	4/-	Sketch of gusseted Base.	7/4/2025	7/4/2025	
45	4/-	Design of laterally Supported and Laterally unsported Beam	8/4/2025	8/4/2025	
46	Unit-5	Design of Beam / Roof Truss	9/4/2025	9/4/2025	
47	5/-	Types of Trusses	16/4/2025	16/4/2025	
48	5/-	Combination of loads	17/4/2025	17/4/2025	
49	5/-	Selection of Truss	21/4/2025	21/4/2025	
50	5/-	Forces in the member	22/4/2025	22/4/2025	
51	5/-	Design of Purline	24/4/2025	24/4/2025	
52	5/-	Design of member of truss	25/4/2025	25/4/2025	
53	5/-	detailing of different Roof Joint	28/4/2025	28/4/2025	

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
30	3/-	design of M.S Slab Base with concrete pedestal	10/3/2025	10/3/2025	
31	3/-	Sketch of gusseted Base	11/3/2025	11/3/2025	
32	3/-	Type of Beam, slenderness ratio.	17/3/2025	17/3/2025	
33	3/-	Type of failure, design of axially loaded tension Member.	18/3/2025	18/3/2025	
34	3/-	Steadres section used as compression member	19/3/2025	19/3/2025	
35	3/-	Effective length and find strength of strut.	20/3/2025	20/3/2025	
36	3/-	design of strut	21/3/2025	21/3/2025	
37	3/-	design of simple column and Built up column.	25/3/2025	25/3/2025	
38	3/-	design of lacing design of Battens.	26/3/2025	26/3/2025	

Construction management

Detailed Teaching Plan

8th Semi civil

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
1	Unit-1	Execution of work by Govt Department	8/01/2025	8/01/2025	
2	1/-	major department Executing Civil work.	11/01/2025	11/01/2025	
3	1/-	Procedure of initiating the work detail Project report	14/01/2025	14/01/2025	
4	1/-	Administrative approval.	18/01/2025	18/01/2025	
5	1/-	measurement Book, nominal Book, muster roll. imprest cash.	23/01/2025	23/01/2025	
6	1/-	invoice. Bill voucher, Cash Book	29/01/2025	29/01/2025	
7	Unit-2	method used in Carrying out work. Contact method. objective of contract. requirement of valid contract.	31/01/2025	31/01/2025	
8	2/-	measurement Contract item rate.	1/2/2025	1/2/2025	
9	2/-	management and Construction Contract.	5/2/2025	5/2/2025	
10	2/-	Intergrating Contract.	12/2/2025	12/2/2025	

Detailed Teaching Plan

Lecture No.	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
11	2	Separated Contract Lump-sum Contract.	18/2/2025	18/2/2025	
12	2	classification of civil engineering Contract.	26/2/2025	26/2/2025	
13	2	Registration of Contract.	27/2/2025	27/2/2025	
14		Short Note → relation money reduced rate. petty advance.			
15	2	mobilization, BOT and BOOT Contract.	28/2/2025	28/2/2025	
16	Unit-3	Tender Process Introduction			
17	3/-	Necessity of Tender. Types of Tender. point to be	4/3/2025	4/3/2025	
18	3/-	include while drafting Tender Notic	6/3/2025	6/3/2025	
19	3/-	Earnest money, Security deposit Validity Period. Contract process	8/3/2025	8/3/2025	
20	3/-	Bidding Process			
21	3/-	Analysis of Submitted Tenders	10/3/2025	10/3/2025	
22	3/-	work order, PWD Contract.	11/3/2025	11/3/2025	

Construction management

Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Execution Date	Remarks
23	4 Unit	Planning and Scheduling — Introduction	17/3/2025	17/3/2025	
24	4/-	development of Bar chart			
25	4/-	Merits and limitation of Bar chart.	19/3/2025	19/3/2025	
26	4/-	CPM Network, activity time estimate.	20/3/2025	20/3/2025	
27	4/-	PERT Introduction. Project monitoring.	26/3/2025	26/3/2025	
28	4/-	CPM/PERT monthly Progress report	28/3/2025	28/3/2025	
29	Unit-5	material management Intro.	3/4/2025	3/4/2025	
30	5/-	Ordering cost, inventory carrying cost, Economic order.			
31	5/-	Safety in construction industry.	9/4/2025	9/4/2025	
32	5/-	Labour welfare and laws. Acts.	25/4/2025	25/4/2025	
33	5/-	Pertaining to civil Construction activity.	29/4/2025	29/4/2025	
34	5/-	Regulation of Employment and condition Service.	31/4/2025	3/4/2025	

Subject - Strength of Material

Detailed Teaching Plan

Session - April May 25

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
1	unit 01	Simple stress and strain, properties of material	03/03/25	03/03/25	
2	1-	Direct stress, linear strain, Hook's law, stress-strain curve	03/03/25	04/03/25	
3	1-	Modulus of elasticity, yield stress, breaking stress, working stress, factor of safety	04/03/25	05/03/25	
4	1-	Principle of superposition, stresses in bars of diff sections.	05/03/25	06/03/25	
5	1-	Stresses in composite bars.	05/03/25	06/03/25	
6	1-	Stresses in composite bars	06/03/25	07/03/25	
7	1-	Stresses in composite bars	07/03/25	08/03/25	
8	1-	Lateral strain, poission's ratio Volumetric strain	08/03/25	10/03/25	
9	1-	Volumetric strain due to un-axial, biaxiale and triaxial force and Chang in volume	10/03/25	10/03/25	
10	1-	Volumetric strain.	10/03/25	11/03/25	
11	1-	Shear stress, principle of shear stress	11/03/25	12/03/25	
12	1-	Shear modulus, bulk modulus	11/03/25	12/03/25	

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Detailed Teaching Plan

Subject:- Strength of Material

Session- April-May 2025

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
13	Unit 01	Relationship between C, E and K	12/03/25	17/03/25	
14	Unit 01	Relationship between C, E and K	12/03/25	18/03/25	
15	1-	Problems on stress and strain	17/03/25	19/03/25	
16	1-	Problems on stress and strain	18/03/25	20/03/25	
17	1-	Strain energy, resilience, proof resilience.	19/03/25	21/03/25	
18	1-	Modulus of resilience	20/03/25	24/03/25	
19	1-	Problems on strain energy, ressilience	21/03/25	24/03/25	
20	1-	Problems on strain energy, and resilience.	24/03/25	26/03/25	Assignment 01 Given
21	1-	Doubt class.	24/03/25	27/03/25	
22	Unit 02	Shear force and Bending moment	26/03/25	27/03/25	
23	1-	Types of beams.	26/03/25	28/03/25	
24	1-	Types of loadings	27/03/25	28/03/25	
25	1-	Concept of shear force and bending moment	27/03/25	01/04/25	
26	1-	Relation between bending moment, Shear force and rate of loading	28/03/25	02/04/25	
27	1-	Shear force and bending moment diagram for Simply supports beams.	28/03/25	02/04/25	

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Detailed Teaching Plan

Subject :- Strength of material

Session- April-May 2025

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
28	unit 02	Shear force and bending moment diagram for simply supported beams	02/04/25	03/04/25	
29	〃	SFD and BMD for simply supported beams.	02/04/25	04/04/25	
30	〃	SFD and BMD for simply supported beams with overhangs.	02/04/25	05/04/25	
31	〃	SFD and BMD for cantilever beams	03/04/25	05/04/25	
32	〃	SFD and BMD for cantilever beams.	04/04/25	07/04/25	
33	〃	SFD and BMD for cantilever beams	05/04/25	07/04/25	Assignment 02 Given
34	〃	Load and bending moment diagram from shear force diagram	05/04/25	08/04/25	
35	unit 03	Bending stresses in beams - Concept of pure bending, theory of simple bending	07/04/25	09/04/25	
36	〃	Assumptions in theory of bending and neutral axis.	07/04/25	09/04/25	
37	〃	Bending stress and their nature, bending stress, distribution diagram	08/04/25	11/04/25	

AAYUSH SINGH BAIS

Detailed Teaching Plan

Subject:- Strength of Material

Session - April-May 25

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
38	Unit-03	Bending stress distribution diagram.	09/04/25	12/04/25	
39	1-	Moment of resistance	09/04/25	12/04/25	
40	1-	Application of theory of bending to symmetrical and unsymmetrical sections.	11/04/25	15/04/25	
41	1-	Numericals on bending stress.	12/04/25	16/04/25	
42	1-	Numericals on bending stress	12/04/25	16/04/25	
43	1-	Numericals on bending stress	15/04/25	17/04/25	
44	1-	Shear stress in beams - equation, shear stress distribution for rectangular, circular, I, T sections	16/04/25	21/04/25	
45	1-	Shear stress in beams	16/04/25	21/04/25	
46	1-	Numericals on shear stress	17/04/25	22/04/25	
47	1-	Numericals on shear stress	21/04/25	23/04/25	
48	1-	Numericals on shear stress	21/04/25	23/04/25	
49	1-	Relation between max. shear stress and average shear stress for different sections.	22/04/25	24/04/25	

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Detailed Teaching Plan

Subject :- Strength of Material

Session - April-May 25

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
50	4	Shear stress in T sections	23/04/25	24/04/25	
51	4	shear stress in I sections.	23/04/25	25/04/25	
52	4	Shear stress in circular and rectangular sections.	24/04/25	25/04/25	
53	unit 04	Compound stresses - on inclined planes with diff. conditions.	25/04/25	26/04/25	
54	4	Principle planes and stresses.	26/04/25	28/04/25	
55	4	Principle stress - Analytical method	28/04/25	28/04/25	
56	4	Principle stress - Analytical method	28/04/25	28/04/25	
57	4	Principle stress - Analytial Method.	28/04/25	29/04/25	
58	4	Graphical Method - Mohr's circle	29/04/25	30/04/25	
59	4	Graphical Method	30/04/25	01/05/25	
60	4	Graphical Method	01/05/25	02/05/25	
61	4	Graphical Method	01/05/25	02/05/25	
62	4	Slope and deflection in beams.	02/05/25	05/05/25	
63	4	Macaulay's method for determining slope and deflection.	05/05/25	05/05/25	
64	4	Numericals on Macaulay's method	05/05/25	05/05/25	
65	4	Numericals on Macaulay's method	06/05/25	06/05/25	

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Detailed Teaching Plan

Subject :- Strength of Material

Session - April May 2025

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
66	Unit 04	Numericals on Macaulay's method	06/05/25	07/05/25	
67	〃	Numericals on Macaulay's method	07/05/25	08/05/25	
68	〃	Calculation of slope and deflection in simply supported beams.	07/05/25	08/05/25	
69	〃	Calc of slope and deflection in ~~Cantilever~~ cantilever beams.	08/05/25	09/05/25	Assignment 03 Given
70	〃	Slope and deflection in fixed beams	08/05/25	14/05/25	
71	Unit 05	Fixed beams - concept, advantages and drawbacks.	09/05/25	14/05/25	
72	〃	Computation of fixed end moments	14/05/25	14/05/25	
73	〃	Computation of fixed end moments for simple point loads	14/05/25	15/05/25	
74	〃	Fixed end moments for two point loads.	15/05/25	15/05/25	
75	〃	Fixed end moments for UDL	15/05/25	16/05/25	
76	〃	Drawing of BMD indicating max. +ve and - ve values.	16/05/25	17/05/25	
77	〃	BMD. for fixed beams.	17/05/25	17/05/25	
78	〃	BMD for fixed beams	17/05/25	19/05/25	
79	〃	BMD for fixed beams.	19/05/25	20/05/25	Assignment 04 Given

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Detailed Teaching Plan

Subject - Strength of Material

Session - April-May 25

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
80	unit 05	Drawing of BMD with a simple point load and two loads.	20/05/25	21/05/25	
81	〃	Drawing of BMD with UDL over entire length.	21/05/25	22/05/25	
82	〃	Drawing of BMD with UDL over entire length	22/05/25	22/05/25	
83	〃	Column and struts.	23/05/25	23/05/25	
84	〃	Short and long columns.	26/05/25	30/05/25	
85	〃	End conditions of Colums.	26/05/25	01/07/25	
86	〃	Effective length of Columns	27/05/25	01/07/25	
87	〃	Modes of failure in columns.	28/05/25	02/07/25	
88	〃	Numericals on columns (Euler's formula)	29/05/25	03/07/25	
89	〃	Numericals on columns (Euler's formula)	30/05/25	04/07/25	
90	〃	Numericals on columns.	02/06/25	04/07/25	
91	〃	Radius of gyration and slenderness ratio	03/06/25	05/07/25	
92	〃	Rankine's formula.	04/06/25	05/07/25	
93	〃	Numericals on Rankines formula	05/06/25	07/07/25	
94	〃	Numericals on Rankines formula	06/06/25	07/07/25	

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