

SUB-STRUCTURAL DESIGN-II
SEM - 5th

Sl No	Lecture No	modules	Lecture Details	Lecture Date	Status
01	1/1	Introduction	Common steel str ⁿ advantage and dis advantage of steel str ⁿ TYPES of steel section	12/09/22	Completed
02	1/2	-do-	Properties of structural steel, Roll steel sect ⁿ special consideration steel design & Load	13/09/22	Completed
03	1/3	-do-	Load & Load combination	14/09/22	Completed
04	1/4	-do-	Structural Analysis & Design Philosophy	16/09/22	Completed
05	1/5	-do-	Principle of limit state design	19/09/22	Completed
06	2/2	structural steel fastener & connection	Bolted connection & classification of bolt add & dis add of bolted connection	20/09/22	Completed
07	2/2	-do-	Diff ⁿ terminology, spacing and edge distance of bolts	21/09/22	Completed
08	2/3	-do-	TYPES of bolted connection TYPES of acting fasteners	23/09/22	Completed
09	2/4	-do-	assumption and Principle of design.	26/09/22	Completed
10	2/5	-do-	strength of plate in a joint, strength of bearing types connection	27/09/22	Completed

Sl. NO	Lect. NO	Module	Lect. Details	Lect. Date	Status
11	2/6	-do-	Reduction factor and shear capacity of HSLG Bolt	28/09/22	Completed
12	2/7	-do-	efficiency of Joint and welded connection.	30/09/22	Completed
13	2/8	-do-	Advantage & disadvantage of welded connection & types of welded joint.	10/10/22	Completed
14	2/9	-do-	Specification of welded and design stress in welds	12/10/22	Completed
15	2/10	-do-	continue - and strength of welded joint.	12/10/22	Completed
16	3/1	design of steel sect ⁿ member	common shape of tension member.	14/10/22	Partially completed
17	3/2	-do-	- do -	17/10/22	Partially completed
18	3/3	-do-	- do -	19/10/22	Completed
19	3/4	-do-	max ⁿ value of effective slenderness Ratio	20/10/22	Partially completed
20	3/5	-do-	- continue -	25/10/22	Partially completed
21	3/6	-do-	- continue -	26/10/22	Completed
22	3/7	-do-	Analysis and design of tension member.	28/10/22	Partially completed
23	3/8	-do-	- do -	30/10/22	Partially completed
24	3/9	-do-	- do -	31.10.22	Partially completed
	3/10	-do-	- do -	2.11.22	Completed

Sl No.	Lect. no	Module	Lect. Details	Lect. Date	Status
26	4/1	Design of steel in (compression) member	compression shape of compression member	4.11.22	Completed
27	4/2	-do-	- continue -	7.11.22	Partially Completed
28	4/3	-do-	continue	9.11.22	Completed
29	4/4	-do-	Bulging class of cross section	11.11.22	Partially Completed
30	4/5	-do-	continue.	15.11.22	Completed
31	4/6	-do-	Slenderness Ratio	16.11.22	Completed
32	4/7	-do-	Design of compressive strength of compression member	18.11.22	Partially Completed
33	4/8	-do-	continue	21.11.22	Completed
34	4/9	-do-	Analysis and design of compression member	22.11.22	Partially Completed
35	4/10	-do-	continue	23.11.22	Completed
36	5/1	design of steel beam	common cross section	25.11.22	Completed
37	5/2	-do-	classification of cross section.	28.11.22	Partially Completed
38	5/3	-do-	- continue -	29.11.22	Completed

Sl. No.	Lect. No.	Module	Lect. details	Lect. Date	Status
39	5/4	-do-	Deflection limit.	20.11.22	Partially Completed
40	5/5	-do-	- continue -	2.12.22	Completed
41	5/6	-do-	web buckling & web crippling	5.12.22	Completed
42	5/7	-do-	- continue -	6.12.22	Partially Completed
43	5/8	-do-	- continue -	7.12.22	Partially Completed
44	5/9	-do-	- continue -	9.12.22	Completed
45	6/1	Design of tubular steel section	Round tubular section	12.12.22	Completed
46	6/2	-do-	continue Permissible stress	13.12.22	Completed
47	6/3	-do-	tubular compression and tension member	14.12.22	Partially Completed
48	6/4	-do-	- continue -	16.12.22	Completed
49	6/5	-do-	Joint in tubular truss	19.12.22	Completed
50	6/6	-do-	- continue -	20.12.22	Partially Completed
51	6/7	-do-	- continue -	21.12.22	Completed
52	7/1	-do-	design consideration for masonry wall & column	23.12.22	Completed
53	7/2	-do-	- continue -	26.12.22	Partially Completed
54	7/3	-do-	continue -	27.12.22	Completed

Sl. No.	Lect. No	Module	Lect. Details	Lect. Date	Status
55	714	-do-	Load bearing & Non Load bearing wall	28.12.22	partially completed
56	715	-do-	- continue -	30.12.22	Completed
57	716	-do-	Permissible stress	2.1.23	Completed
58	717	-do-	Slenderness Ratio	3.1.23	Completed
59	718	-do-	Eff length, height & thickness	4.1.23	partially completed
60	719	-do-	- continue -	6.1.23	Completed

Sub-Railway & Bridge Engg
SEM - 5th
SESSION - 1

- Surveys - 11/5
- Surveys - 11/5
- Surveys - 11/5

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
01	1/1	Introduction	Railway terminology and advantage of Railway.	12/09/22	Completed
02	1/2	-do-	classification of Indian Railway.	14/09/22	Completed
03	2/01	Permanent way	Definition and components of permanent way.	15/09/22	Partially completed
04	2/2	-do-	- continue -	16/09/22	Completed
05	2/3	-do-	concept of gauge, diff gauge in Indian Railway	19/09/22	Completed
06	2/4	-do-	suitability of these gauge under diff ⁿ condition.	21/09/22	Partially completed
07	2/5	-do-	- continue -	22/09/22	Completed
08	3/1	Track material	- Rail	23/09/22	Completed
09	3/2	-do-	function and Requirement of Rail.	26/09/22	Completed
10	3/3	-do-	types of Rail, section and length	28/09/22	Partially completed
11	3/4	-do-	- continue -	29/09/22	Completed
12	3/5	-do-	Rail joint types	30/09/22	Completed
13	3/6	-do-	Requirement of an ideal joint	10/10/22	Completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
14	3/7	-do-	Propose of welding of Railway and It's advantage	12/10/22	Complete
15	3/8	-do-	Defn, function and Requirements of Railway sleepers and It's class'n	13/10/22	Complete
16	3/9	-do-	Add & dis Advantage of diff ⁿ types of sleeper & Ballast.	14/10/22	Complete
17	3/10	-do-	fun ⁿ and Requirements of Ballast and material for Ballast	17/10/22	Complete
18	3/11	-do-	connection of Rail to Rail - fish plat Bolts and connection of Rail to sleepers	19/10/22	Complete
19	4/1	Geometric for Broad gauge	• Typical c/s of single & Double broad gauge Railway track in cutting and embankment	20/10/22	Partially Complete
20	4/2	-do-	- continue -	21/10/22	Partially Complete
21	4/3	-do-	- continue -	26/10/22	Completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
22	4/4	-do-	Permanent & temporary land width	27/10/22	Partially completed
23	4/5	-do-	continue	28/10/22	Partially completed
24	4/6	-do-	continue	31/10/22	completed
25	4/7	-do-	Gradient for drainage	02/11/22	Partially completed
26	4/8	-do-	- continue -	03/11/22	Partially completed
27	4/9	-do-	- continue -	04/11/22	Completed
28	4/10	-do-	super elevation necessity & limiting value	07/11/22	Partially completed
29	4/11	-do-	- continue -	09/11/22	Partially completed
30	4/12	-do-	- continue -	10/11/22	completed
31	5/1	Point & crossing	defn, necessity of point & crossing.	11/11/22	completed
32	5/2	-do-	Types of points & crossing with the drainage	16/11/22	Partially completed
33	5/3	-do-	- continue -	17/11/22	Partially completed
34	5/4	-do-	- continue -	18/11/22	completed
35					

S. No.	Lect. No.	Module.	Lect. Details	Lect. Date	Status
35	6/1	Laying & marking of track	method of Laying & maintenance of track	21/11/22	Partially completed
36	6/2	- do -	- continue -	23/11/22	completed
37	6/3	- do -	Duties of a permanent way inspector	24/11/22	Partially completed
38	6/4	- do -	- continue -	25/11/22	Partially completed
39	6/4	- do -	- do -	28/11/22	completed
<u>Section - B</u>					
40	1/1	Introduction of Bridge	Defn ⁿ & component of Bridges	30/11/22	completed
42	1/2	- do -	Class ⁿ & Req ⁿ of ideal Bridges	01/12/22	completed
42	2/01	Bridge site investigation Hydrology Planning	selection of Bridge site	02/12/22	Partially completed
43	2/2	- do -	- do -	03/12/22	completed
44	2/3	- do -	Determination of flood Discharge	05/12/22	completed
45	2/4	- do -	waterway & economic span	07/12/22	completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
46	2/5	-do-	Afflux, clearance and free board.	08/12/22	Completed
47	3/1	Bridge found ⁿ	source depth min ⁿ depth of foundation.	09/12/22	Partially Completed
48	3/2	-do-	- continue -	12/12/22	Completed
49	3/3	-do-	Types of Bridge found ⁿ spread found, pile found, well found ⁿ , sinking of well	14/12/22	Partially Completed
50	3/4	-do-	- continue -	15/12/22	Partially Completed
51	3/5	-do-	- continue -	16/12/22	Partially Completed
52	3/6	-do-	- continue -	19/12/22	Partially Completed
53	3/7	-do-	- continue -	21/12/22	Completed
54	3/8	-do-	coffer dam	22/12/22	Partially Completed
55	3/9	-do-	- continue -	23/12/22	Completed
56	4/1	Bridge sub str ⁿ & Approach	Types of Piers	26/12/22	Partially Completed
57	4/2	-do-	- continue -	28/12/22	Completed
58	4/3	-do-	Types of abutment:	29/12/22	Completed
59	4/4	-do-	Types of wing wall	30/12/22	Partially Completed
60	4/5	-do-	approach	02/01/23	Completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
61	5/2	colvend & causeway	types of colvend	04/01/23	Partially completed
62	5/2	- do -	- continue -	05/01/23	Completed
63	5/3	- do -	continue types of causeway	06/01/23	Partially completed
64	5/4	- do -	- continue -	09/01/23	Completed
65	5/5	- do -	- continue -	11/01/23	Completed

SUB-WATER SUPPLY & WASTE WATER ENGG
SEM - 5th

Sl. No.	Lect. No.	Module	Lect. Details.	Lect. Date.	Status
01	1/1	Introduction to water supply & Sewerage	Necessity of treated water supply	13/09/22	partially Completed
02	1/2	- do -	- continue -	14/09/22	Completed
03	1/3	- do -	Per-capita demand variation demand and factor affect in demand	15/09/22	partially Completed
04	1/4	- do -	- continue -	16/09/22	Completed
05	1/5	- do -	method of forecasting population, numerical problem using diff. method	20/09/22	Completed
06	1/6	- do -	impurities in water organic & inorganic. Harm full effect	21/09/22	Partially Completed
07	1/7	- do -	- do -		Completed
08	1/8	- do -	Analysis water Physic chemical & Bacteriology.	22/09/22	Partially Completed
09	1/9	- do -	continue	23/09/22	Completed
10	1/10	- do -	water quality standard for different use.	24/09/22	Completed
11	2/1	source & conveyance of water	surface source, lake stream, river impoundment Reservoir.	27/09/22	Completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date.	Status
12	2/2	-do-	underground source types & occurrence infillen gallery	28/09/22	Completed
13	2/3	-do-	infilerd well and Spring well	29/09/22	Completed
14	2/4	-do-	Yield from well method of determination, Numerical Problem used formula	30/09/22	Completed
15	2/5	-do-	Intake-types, description of River intake, Reservoir intake, canal intake	11/10/22	Completed
17	2/6	-do-	pumps for conveyon & distribution - types sited, installation	12/10/22	Completed
18	2/7	-do-	pipe-material-necessity suitability, merits & demerits of each type	13/10/22	Completed
19	2/8	-do-	pipes - joints	14/10/22	Completed
20	3/1	Treatment of water	Flow diagram of convent water treatment system	15/10/22	Partially Completed
21	3/2	-do-	- continue -		Completed
22	3/3	-do-	- Treatment process -	18/10/22	Completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
23	3/4	- do -	Aeration, Necessity	19/10/22	Completed
24	3/5	- do -	Plain sedimentation - Necessity working principle, sedimentation tank	20/10/22	Completed
25	3/6	- do -	Types of essential filter operation & maintenance	25/10/22	Completed
26	3/7	- do -	filtration - Necessity principle, types of filter, slow sand filter	26/10/22	Completed
27	3/8	- do -	Rapid sand filter and Pressure filter - essential feature	27/10/22	Completed
28	3/9	- do -	Def. - Necessity method of disinfection	28/10/22	Completed
29	3/10	- do -	chlorination		
30	3/11	- do -	softening of water - Necessity method of softening.	29/10/22	Completed
31	3/12	- do -	lime soda - Process and ion exchange method	1.11.22	Completed
32	4/1	Distribution system & App Disin distribution system.	general Requirement types of distribution system - gravity.	2.11.22	Completed

33	4/2	-do-	-continue-	3.11.22	Completed
34	4/3	-do-	method of supply intermitter and continuous.	4.11.22	Partially Completed
35	4/4	-do-	-continue-	5.11.22	Completed
36	4/5	-do-	distribution system layout	9.11.22	Partially Completed
37	4/6	-do-	-continue-	10.11.22	Completed
38	4/7	-do-	valve - types, feature uses, purpos - slvice etc	11.11.22	Partially Completed
39	4/8	-do-	continue	12.11.22	Completed
40	5/1	w/s pumps ing in building	methods of connection from water mains to building supply	15.11.22	Completed
41	5/2	-do-	general layout of Pumps arrangement for water supply in single stores & multi storey building	16.11.22	Completed

Section - B

42	6/1	Introductory	Aim & objective of sanitary Engineering	17.11.22	Partially Completed
43	6/2	- do -	- continue -	18.11.22	
44	6/3	- do -	def ⁿ of term Related to sanitary engineering	19.11.22	Completed
45	6/4	- do -	system of collection of waste water - conveyance and collection system	20.11.22	Partially Completed
46	6/5	do	- continue -	23.11.22	Completed
47	6/6 7/1	Quantity & quality of sewage	quantity of sanitary sewage domestic & industrial sewage variation in sewage flow Numerical Problem.	24.11.22	Partially Completed
48	7/2	- do -	continue	25.11.22	Completed
49	7/3	- do -	computation of size of sewer application of Chazy's formula limiting velocity of flow ; self cleaning and scouring	26.11.22	Partially Completed
50	7/4	- do -	- continue -	29.11.22	Completed
51	7/5	- do -	general importance of strength of sewer application of sewer physical & chemical & biological.	30.11.22	Partially Completed

Sl. No	Lect. No.	Module	Lect. Details	Lect. Date	Status
52	7/6	- do -	- do -	1.12.22	Completed
53	7/7	- do -	concept of sewage sampling test for solid, PH, dissolved oxygen BOD, COD	2.12.22	Completed
54	8/1	sewage system	types of system separate combine partially separate feature combination b/w the types suitable	3.12.22	Partially Completed
55	8/2	- do -	- do -	6.12.22	Completed
56	8/3	- do -	Shape of sewer Rectangular & circular feature suitable	7.12.22	Partially Completed
57	8/4	- do -	- do -	8.12.22	Complete
58	8/5	- do -	Laying sewer setting out sewer alignment	9.12.22	Completed
59	9/1	sewage disposal	man hole & lamp holes types, feature, locality function	10.12.22	Partially Completed
60	9/2	- do -	- do -	13.12.22	Complete
61	9/3	- do -	Storm Regulator inverts siphon - feature location function	14.12.22	Partially Completed
62	9/4	- do -	- do -	15.12.22	Completed

Lect. No.	Module	Lect. Details	Lect. Date	Status
9/6	- do -	Disposal by dilution Standard for disposal in different types of water bodies. Self Purification of stream	14.12.22	Partially Completed
9/7	- do -	- do -	17.12.22	Completed
10/1	sewage treatment	Principle of treatment flow diagram of con ⁿ treatment	20.12.22	Completed
10/2	- do -	- do -		Partially Completed
10/3	- do -	- do -	21.12.22	Completed
10/4	- do -	Primary treatment necessity Principle essential feature of function	22.12.22	Partially Completed
10/5	- do -	- do -	23.12.22	Partially Completed
10/6	- do -	secondary treatment necessity principles entia ^l feature function.	24.12.22	Completed
10/7	- do -	- do -	27.12.22	Partially Completed
10/8	- do -	- do -	28.12.22	Completed

Sl. No. Lect. No. Module Lect. Details Lect. Date Status

73 11/1 Sanitary Plumbing for building Requirements of building drainage layout of elevation block in Residential building 29.11.22 Completed

74 11/2 - do - Plumbing arrangement of single storied & multi storied building as per IS code Practice 30.12.22 Completed

75 11/3 - do - Sanitary fixture - features function and maintenance and fixing of the fixture water closets, flushing cistens. 31.12.22 Completed

SUB-ESTIMATING & COST EVALUATION - II
SEM - 5th
SESSION -

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
01	1/1	Detailed estimate of culverts and bridge	Detailed estimate of a R.C.C slab culvert with Right angled wing walls with bar bending schedule	12/09/22	Partially Completed
02	1/2	- do -	- do -	13/09/22	Partially completed
03	1/3	- do -	- do -	15/09/22	Partially Completed
04	1/4	- do -	- do -	16/09/22	Partially completed
05	1/5	- do -	- do -	19/09/22	Partially completed
06	1/6	- do -	- do -	20/09/22	Part Completed
07	1/7	- do -	R.C.C Home pipe culvert with angled wing wall	22/09/22	Partially completed
08	1/8	- do -	- do -	23/09/22	Partially completed
09	1/9	- do -	- do -	26/09/22	Partially Completed
10	1/10	- do -	- do -	27/09/22	Partially completed
11	1/11	- do -	- do -	29/09/22	Partially completed
12	1/12	- do -	- do -	30/09/22	Completed
13	2/1	estimate of vertical structure	Detailed estimate of simple types of vertical fall to given specification	10/10/22	Partially completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
14	2/2	- do -	- do -	11/10/22	Partially completed
15	2/3	- do -	- do -	13/10/22	Partially completed
16	2/4	- do -	- do -	14/10/22	Partially completed
17	2/5	- do -	- do -	17/10/22	Partially completed
18	2/6	- do -	- do -	18/10/22	Partially completed
19	2/7	- do -	- do -	20/10/22	completed
20	2/8	- do -	detail estimate of drainage siphon to give specification	21/10/22	Partially completed
21	2/9	- do -	- do -	25/10/22	Partially completed
22	2/10	- do -	- do -	27/10/22	Partially completed
23	2/11	- do -	- do -	28/10/22	Partially completed
24	2/12	- do -	- do -	31/10/22	Partially completed
25	2/13	- do -	- do -	1.11.22	Partially completed
26	2/14	- do -	- do -	3.11.22	Completed
27	3/7	Detailed Estimated of Road	Detail estimate for water bound macadam Road	4.11.22	Partially Completed
28	3/2	- do -	- do -	7.11.22	Partially Completed

Sl. No	Lect. No.	Module	Lect. Details	Lect. Date	Status
29	3/3	- do -	- do -	10.11.22	Partially Completed
30	3/4	- do -	- do -	11.11.22	Completed
31	3/5	- do -	Detailed estimate of a flexible pavement in cutting filling	15.11.22	Partially Completed
32	3/6	- do -	- do -	17.11.22	Partially Completed
33	3/7	- do -	- do -	18.11.22	Partially Completed
34	3/8	- do -	- do -	21.11.22	Completed
35	3/9	- do -	Detail estimate of septic tank and soak pit for 50 users	22.11.22	Partially Completed
36	3/10	- do -	- do -	24.11.22	Partially Completed
37	3/11	- do -	- do -	25.11.22	Partially Completed
38	3/12	- do -	- do -	28.11.22	Completed
39	4/1	Miscellaneous estimate	Tube well pipe and pile Lap, isolated & combined footing	29.11.22	Partially Completed
40	4/2	- do -	- do -	1.12.22	Partially Completed
41	4/3	- do -	- do -	2.12.22	Partially Completed
42	4/4	- do -	- do -	5.12.22	Partially Completed
43	4/5	- do -	- do -	8.12.22	Partially Completed

Sl. No.	Lect. No.	Module.	Lect. Details	Lect. Date	Status
44	416	- do -	- do -	8.12.22	Partially Completed
45	417	- do -	- do -	9.12.22	Partially Completed
46	418	- do -	- do -	13.12.22	Partially Completed
47	419	- do -	- do -	13.12.22	Partially Completed
48	4110	- do -	- do -	15.12.22	Partially Completed
49	4111	- do -	- do -	16.12.22	Completed
50	5/1	two account works	works	19.12.22	Completed
51	5/2	- do -	Classification of work original major, petty, Repair work	20.12.22	Completed
52	5/3	- do -	concept of method of execute of work through the contractor and department, contract and agreement, contract and prices work agreement	22.12.22	Completed
53	5/4	- do -	account of works	23.12.22	Partially Completed
54	5/5	- do -	- do -		
55	5/6	- do -	explain various items administrative approval technical sanction tender	25.12.22	Completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
56	517	do	measurement book use maint Procedure of making muster Roll.	27.12.22	Completed
57	518	-do-	Labour & Labour Report method of Labour payment use of forms and necessory of submission	29.12.22	Completed
58	519	-do-	class ⁿ of stone Receipt issue statement on standard from method of preparation	30.12.22	Completed
59	510	-do-	Building BY-law and regulation Bodies development authority types and their level etc	2.1.23	Partially Completed
60	511	-do-	-do-	3.1.23	Completed

SUB-ENTREPRENEURSHIP & MANAGEMENT &

SMART TECH.

SEM - 5th

SESSION -

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
1	1/1	Entrepreneurship	concept / meaning of Entrepreneurship	12/09/22	Partially Completed
2	1/2	- do -	- do -	13/09/22	Completed
3	1/3	- do -	Need of Entrepreneurship	14/09/22	Completed
4	1/4	- do -	Characteristics, Qualities and Types of entrepreneur function	15/09/22	Completed
5	1/5	- do -	Barriers in Entrepreneurship	19/09/22	Completed
6	1/6	- do -	Entrepreneurs vs, manager	20/09/22	Completed
7	1/7	- do -	Forms of Business ownership Sole Proprietorship Partnership forms and others.	21/09/22	Completed
8	1/8	- do -	Types of industries concept of start ups	22/09/22	Completed
9	1/9	- do -	Entrepreneurial support agencies at national state district level. DIC, NSIC, OSIC, SIDBI NABARD, etc.	26/09/22	Completed
10	1/10	- do -	Technology Business Incubators (TBI) and science & tech Entrepreneur Parks.	27/09/22	Completed

Sl. No.	Lect. No.	Module	Lect. Details.	Lect. Date	Status
11	2/1	market survey and opportunity identification (business planning)	Business Planning	28/09/22	Partially Completed
12	2/2	-do-	-do-	29/09/22	Completed
13	2/3	-do-	SSI, Ancillary units, tiny unit, service sector units.	10/10/22	Partially Completed
14	2/4	-do-	-do-	11/10/22	Completed
15	2/5	-do-	Time schedule. Plan Agencies to be contracted for project implementation	12/10/22	Completed
16	2/6	-do-	Assessment of demand and supply and potential areas of growth.	13/10/22	Completed
17	2/7	-do-	Identifying Business opportunity	17/10/22	Completed
18	2/8	-do-	Final product selection	18/10/22	Completed
19	3/1	Project Report Preparation	Preliminary Project Report	19/10/22	Partially Completed
20	3/2	-do-	-do-	20/10/22	Completed

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
21	3/3	-do-	Detailed Project Report Techno economic feasibility	26/10/22	Completed
22	3/4	-do-	Project viability	27/10/22	Completed
23	4/1	management Principles	definition of management	31/10/22	Partially Completed
24	4/2	-do-	- do -	01/11/22	Completed
25	4/3	-do-	Principles of management	02/11/22	Completed
26	4/4	-do-	function of management	03/11/22	Completed
27	4/5	-do-	Level of management in an organisation	07/11/22	Completed
28	5/1	function and area of management	Introduction management i) function activity ii) Productivities iii) Quality control. iv) Production Planning and control	09/11/22	Partially Completed
29	5/2	-do-	- do -	10/11/22	Completed
30	5/3	-do-	Inventory management i) Need for inventory management ii) models / technique of inventory management	15/11/22	Partially Completed
31	5/4	-do-	- do -	16/11/22	Completed

S. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
32	5/5	- do -	financial management i) function of financial management ii) managements of working capital iii) costing iv) Break even Analysis v) Brief idea about Accounts Terminologies: Book Keep Journal entry, Petty Cash book, P&L Accounts, Balance sheets (only concept)	17/11/22	Partially Complete
33	5/6	- do -	- do -	21/11/22	Complete
34	5/7	- do -	marketing management. i) concept of marketing and managements ii) management Techniques iii) concept of 4P	22/11/22	Partially Complete
35	5/8	- do -	- do -	23/11/22	Complete
36	5/9	- do -	Human Resource management i) function of personnel management ii) man power planning, Recruitment sources of man power Selection Process, method testing	24/11/22	Partially Complete
37	5/10	- do -	- do -	28/11/22	Complete
38	6/1	Leadership & motivation	Leadership	29/11/22	Partially Complete
39	6/2	- do -	- do -		Partially

Sl. No.	Lect. No.	Module	Lect. Details	Lect. Date	Status
40	6/3	- do -	- do -	01/12/22	Completed
41	6/4	- do -	motivation	05/12/22	Partially completed
42	6/5	- do -	- do -	06/12/22	Partially completed
43	6/6	- do -	- do -	07/12/22	completed
44	7/1	work culture TQM & safety	Human Relationship & performance in organization	08/12/22	Partially completed
45	7/2	- do -	- do -	12/12/22	completed
46	7/3	- do -	Relation with Peers superior and subordinates	13/12/22	completed
47	7/4	- do -	TQM concept : Quality Policy Quality management Quality system	14/12/22	completed
48	7/5	- do -	Accident and safety cause preventive measure general safety Rules Personal protection equipment (PPE)	15/12/22	completed
49	8/1	legislation	Intellectual Property Right (IPR), patents Trademark copyright	19/12/22	Partially completed
50	8/2	- do -	- do -	20/12/22	completed

S. No.	Lect. No.	Module	Lect. Details.	Lect. Date	Status
51	8/13	- do -	features of factories act 1948 with Amendment	21/12/22	Partially complete
52	8/14	- do -	- do -	22/12/22	complete
53	8/15	- do -	features of payment of wages Act 1936 (only salient points)	26/12/22	Partially complete
54	8/16	- do -	- do -	27/12/22	complete
55	9/1	Smart Technology	concept of IoT, How IoT works	28/12/22	Partially complete
56	9/2	- do -	- do -	29/12/22	complete
57	9/3	- do -	components of IoT, IoT characteristics, categories of IOT.	02/01/23	Partially complete
58	9/4	- do -	- do -	03/01/23	complete
59	9/5	- do -	Application of IoT - smart cities Smart transport smart home Smart Healthcare, Smart industry, Smart Agriculture Smart energy management etc	04/01/23	Partially complete
60	9/6	- do -	- do -	05/01/23	complete

Sl. No.	Practical No.	Module	Practical Details	Practical Date	Status
01	1/1	Test on soil	Determination of sp. gr of soil by pycnometer / density bottle.	13/09/22	Partially Completed
02	1/2	-do-	- do -	15/09/22	Completed
03	1/3	-do-	Determination of field Density of soil by cone cutter method.	20/09/22	Partially Completed
04	1/4	-do-	Determination of particle size gradation of sand & gravel by sieve analysis.	22/09/22	Completed
05	1/5	-do-	wet mechanical analysis using pipette method for clay & silt.	27/09/22	Completed
06	1/6	-do-	a) Determination of liquid limit by soil cascade apparatus	29/09/22	Completed
07	1/7	-do-	b) Determination of plastic limit of soil.	11/10/22	Completed
08	1/8	-do-	Determination of shrinkage limit of soil.	13/10/22	Completed
09	1/9	-do-	Determination of MDD & OMC of soil by using modified Proctor test.	16/10/22	Completed

Sl. No.	Practical No.	Module	Practical Details.	Practical Date.	Status
10	1/10	-do-	Determination of CBR value using laboratory CBR test device.	20/10/22	Completed
11	1/11	-do-	Determination of c & ϕ of soil by triaxial testing device	25/10/22	Completed
12	1/12	-do-	Determination of coefficient of permeability of soil by constant head method.	27/10/22	Completed
13	2/1	Hydraulics Laboratory	Verification of Bernoulli's Theorem.	1.11.22	Partially Completed
14	2/2	-do-	-do-	3.11.22	Completed
15	2/3	-do-	Determination of coefficient of discharge of a rectangular notch fitted in open channel.	10.11.22	Completed
16	2/4	-do-	Determination of coefficient of discharge of a venturimeter orificemeter fitted in a pipe	15.11.22	Completed
17	2/5	-do-	Head loss due to friction & coefficient of friction for flow through pipe	17.11.22	Partially Completed
18	2/6	-do-	-do-	22.11.22	Completed
19	3/1	Transportation Laboratory	Penetration test of Bitumen	24.11.22	Completed

Sl. No.	Practical No.	Module.	Practical Details.	Practical Date.	Status
20	3/2	- do -	Ductility test of Bitumen	29.11.22	Partially Completed
21	3/3	- do -	- do -	1.12.22	Completed
22	3/4	- do -	viscosity test of Bitumen	6.12.22	Partially Completed
23	3/5	- do -	Bitumen content by centrifugal extractor	7.12.22	Partially Completed
24	3/6	- do -	- do -	13.12.22	Completed
25	4/1	Public Health Engg. Lab.	Determination of turbidity of water using turbidity meter / Nephelometer Jackson candle Turbidity met.	15.12.22	Completed
26	4/2	- do -	Determination of PH of water sample	20.12.22	Completed
27	4/3	- do -	chloride content of a water sample using method of titration	22.11.22	Completed
28	4/4	- do -	Coagulant dose Requirements for turbid water sample	27.12.22	Completed
29	4/5	- do -	Determination of dissolve oxygen in water sample	29.12.22	Completed
30	4/6	- do -	Determination of bacteriological quality of water sample by coliform test.	3.1.23	Completed