



LESSON PLAN

Department: CIVIL
Course : - APPLIED MECHANICS
SEM: II

Program: B.Tech

Academic Year : 2016-17

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
UNIT-1					
1.	08-12-2016	Introduction- about subject		1	DM1
2.	09-12-2016	Units –system of units-classification		1	DM1
3.	10-12-2016	Scalars and vectors quantities-addition and subtraction of vectors		1	DM1
4.	12-12-2016	Laws of mechanics-concept		1	DM1
5.	13-12-2016	Definition of force –characteristics-resolution of forces		1	DM1
6.	14-12-2016	System of forces –classification-resultant of system of forces-		1	DM1
7.	15-12-2016	problems		1	DM4
8.	16-12-2016	problems		1	DM4
9.	17-12-2016	problems		1	DM4
10.	19-12-2016	Tutorial		1	DM12
11.	20-12-2016	Equilibrium and equilibrant-superposition and transmissibility of a force		1	DM1
12.	21-12-2016	Constraint, action and reaction –free body diagrams-Lami's theorem-examples		1	DM1
13.	22-12-2016	Problems		1	DM4
14.	23-12-2016	problems		1	DM4
15.	24-12-2016	problems		1	DM4
16.	26-12-2016	Tutorial		1	DM2
17.	27-12-2016	Types of supports and support reactions		1	DM2
18.	28-12-2016	problems		1	DM4
19.	29-12-2016	Problems based on resultant of forces		1	DM4
20.	30-12-2016	problems		1	DM4
21.	31-12-2016	Tutorial		1	DM2
22.	02-01-2017	Analysis of simple truss by method of joints-problems		1	DM1
23.	03-01-2017	problems		1	DM4
UNIT-II					

24.	04-01-2017	Types of parallel forces –resultant-problems		1	DM2
25.	05-01-2017	Couple-resolution of force into force and couple-problem		1	DM1
26.	06-01-2017	problem		1	DM4
27.	07-01-2017	Tutorial		1	DM2
28.	16-01-2017	Moment of force –Varignon’s theorem		1	DM1
29.	17-01-2017	problems		1	DM4
30.	18-01-2017	Problems based on non-concurrent plane		1	DM4
31.	19-01-2017	Problems based on equilibrium of forces		1	DM4
32.	20-01-2017	problems		1	DM4
33.	21-01-2017	Tutorial		1	DM2
34.	23-01-2017	problems		1	DM4
35.	24-01-2017	Problems based on resultant of non-concurrent forces			DM4
36.	25-01-2017	problems		1	DM4
37.	27-01-2017	problems		1	DM4
38.	28-01-2017	Tutorial		1	DM2
UNIT-III					
39.	30-01-2017	Introduction-centroid and centre of gravity		1	DM1
40.	31-01-2017	Determination of centroid –theory-integration method		1	DM1
41.	01-02-2017	MID-1		1	
42.	02-02-2017	MID-1		1	
43.	03-02-2017	MID-1		1	
44.	04-02-2017	Problems based on above concept		1	DM4
45.	06-02-2017	Centroid of plane figures-problems		1	DM1
46.	07-02-2017	Tutorial		1	DM2
47.	08-02-2017	Centroid of composite figures		1	DM1
48.	09-02-2017	problems		1	DM4
49.	10-02-2017	problems		1	DM4
50.	13-02-2017	Theorems of Pappus and Guideinus		1	DM2
51.	14-02-2017	Problems based on above concept		1	DM4
52.	15-02-2017	Moment of inertia-radius of gyration-parallel axis theorem		1	DM1
53.	16-02-2017	Perpendicular axis theorem-problems		1	DM1
54.	17-02-2017	problems		1	DM4
55.	18-02-2017	Tutorial		1	DM2
56.	20-02-2017	problems		1	DM4
57.	21-02-2017	problems		1	DM4
UNIT-IV					
58.	22-02-2017	Introduction –classification -laws		1	DM1
59.	23-02-2017	Coefficient of friction –angle of friction-problems		1	DM1
60.	25-02-2017	Tutorial		1	DM2
61.	27-02-2017	Static friction and sliding friction-problems		1	DM1

62.	28-02-2017	Problems		1	DM4
63.	01-03-2017	Rolling friction -problems		1	DM4
64.	02-03-2017	Ladder friction -problems		1	DM4
65.	03-03-2017	Problems		1	DM4
66.	04-03-2017	Tutorial		1	DM2
67.	06-03-2017	Problems		1	DM4
68.	07-03-2017	Wedge friction -problems		1	DM4
69.	08-03-2017	Problems		1	DM4
70.	09-03-2017	Problems		1	DM4
UNIT-V					
71.	10-03-2017	Introduction-projectile motion-equation		1	DM1
72.	13-03-2017	Trajectory-time of flight-height-range – angle of projection-derivation		1	DM1
73.	14-03-2017	Problems		1	DM4
74.	15-03-2017	Problems		1	DM4
75.	16-03-2017	Motion of projectiles thrown horizontally-equation		1	DM1
76.	17-03-2017	Problems		1	DM4
77.	18-03-2017	Tutorial		1	DM2
78.	20-03-2017	Problems		1	DM4
79.	21-03-2017	Motion of projectiles up an inclined plane –theory		1	DM1
80.	22-03-2017	Problems		1	DM4
81.	23-03-2017	Problems		1	DM4
82.	24-03-2017	Problems		1	DM4
83.	25-03-2017	Tutorial		1	DM2
84.	27-03-2017	Revision		1	DM2
85.	28-03-2017	Revision		1	DM3
86.	30-03-2017	Revision		1	DM3
87.	31-03-2017	Revision		1	DM3
88.	01-04-2017	Revision		1	DM3
89.	03-04-2017	Revision		1	DM3
90.	04-04-2017	Revision		1	DM3
91.	06-04-2017	Revision		1	DM4
92.	07-04-2017	Revision		1	DM4
93.	08-04-2017	Revision		1	DM4
94.	09-04-2017	Revision		1	DM4
TOTAL				94	
Total number of classes required to complete the syllabus				83	
Total number of classes available as per Schedule				94	

Signature			
	Name of the Faculty	Name of Course Co-ordinator	HOD
	Dr K.S.REDDY	Dr K.S.REDDY	Dr.V. RAMA KRISHNA



LESSON PLAN

Department: CIVIL

Course : - BMC

SEM: II

Program: B.Tech

Academic Year : 2016-17

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
UNIT-I: STONES, BRICKS AND TILES					
1.	08-12-2016	Introduction		1	DM1
2.	09-12-2016	Classification of rocks		1	DM1
3.	10-12-2016	Stone quarrying		1	DM1
4.	12-12-2016	Blasting		1	DM1
5.	13-12-2016	Dressing of stone		1	DM1
6.	14-12-2016	Characteristics of good stone		1	DM1
7.	15-12-2016	Classification of bricks		1	DM1
8.	16-12-2016	Manufacturing of bricks		1	DM1
9.	17-12-2016	Tests on bricks		1	DM1
10.	19-12-2016	Characteristics of good bricks		1	DM1
11.	20-12-2016	TUTORIAL-I		1	DM2
12.	21-12-2016	Characteristics of good tile		1	DM1
13.	22-12-2016	Manufacturing methods of tiles		1	DM1
14.	23-12-2016	Types of tiles		1	DM1
15.	24-12-2016	About aluminium, gypsum, glass, bituminous		1	DM1
16.		TUTORIAL-II		1	DM2
UNIT-II: LIME AND CEMENT					
17.	26-12-2016	Introduction		1	DM1
18.	27-12-2016	Various ingredients of lime		1	DM1
19.	28-12-2016	Constituents of lime stone		1	DM1
20.	29-12-2016	Classification of lime		1	DM1
21.	30-12-2016	Importance of lime		1	DM1
22.	31-12-2016	Types of cements		1	DM1
23.	02-01-2017	Importance of cements		1	DM1
24.	03-01-2017	TUTORIAL-III		1	DM2
25.	04-01-2017	Manufacturing of cement		1	DM1
26.	05-01-2017	Specific gravity of cement		1	DM1
27.	06-01-2017	Normal consistency of cement		1	DM1
28.	07-01-2017	Setting time of cement		1	DM1
29.	16-01-2017	Soundness of cement		1	DM1
30.	17-01-2017	Compressive strength of cement		1	DM1
31.	18-01-2017	Revision		1	DM1
32.	19-01-2017	TUTORIAL-IV		1	DM2
33.	20-01-2017	Importance of cement properties		1	

34	21-01-2017	uses		1	
35		I-MID EXAMINATION		1	DM1
36		I-MID EXAMINATION		1	DM1
37		I-MID EXAMINATION		1	DM1
	UNIT-III: WOOD AND MASONARY				
38	30-01-2017	Introduction		1	DM1
39	31-01-2017	Structure and properties of wood		1	DM1
40	04-02-2017	Seasoning of timber		1	DM1
41	06-02-2017	Classifications of woods used in buildings		1	DM1
42	07-02-2017	Defects in timber		1	DM1
43	08-02-2017	Alternative materials for wood		1	DM1
44	09-02-2017	TUTORIAL-V		1	DM2
45	10-02-2017	Types of masonry		1	DM1
46	13-02-2017	English bond		1	DM1
47	14-02-2017	Flemish bond		1	DM1
48	15-02-2017	Rubble masonry		1	DM1
49	16-02-2017	Ashlar masonry		1	DM1
50	17-02-2017	Cavity and partition walls		1	DM1
51	18-02-2017	TUTORIAL-VI		1	DM2
	UNIT-IV: BUILDING COMPONENTS				
52	22-02-2017	Lintels, arches, vaults-stair cases-types		1	DM1
53	23-02-2017	Types of floors		1	DM1
54	25-02-2017	Terrazzo floors		1	DM1
55	27-02-2017	Types of roofs		1	DM1
56	28-02-2017	Curved roofs		1	DM1
57	01-03-2017	Lean-to-roof		1	DM1
58	02-03-2017	TUTORIAL-VII		1	DM2
59	03-03-2017	Coupled roofs		1	DM1
60	04-03-2017	Trussed roofs		1	DM1
61	06-03-2017	King post trusses		1	DM1
62	07-03-2017	Queen post trusses		1	DM1
63	08-03-2017	RCC roofs		1	DM1
64	09-03-2017	Shell roofs		1	DM1
65	10-03-2017	TUTORIAL-VIII		1	DM2
66	14-03-2017	Damp and water proofing		1	DM1
67	15-03-2017	Plastering pointing		1	DM1
68	16-03-2017	Painting		1	DM1
69	17-03-2017	Types of paints		1	DM1
70	18-03-2017	Constituents of paints		1	DM1
71	20-03-2017	Varnishing		1	DM1
72	21-03-2017	TUTORIAL-IX		1	DM2
73	22-03-2017	Functions and applications of geosynthetics		1	DM1
74	23-03-2017	Geo-textile		1	DM1
75	24-03-2017	Geo-grids		1	DM1

76	25-03-2017	Geo-membranes		1	DM1
77	27-03-2017	TUTORIAL-X		1	DM2
78		II-MID EXAMINATION			
79		II-MID EXAMINATION			
80		II-MID EXAMINATION			
		Total		80	
Total number of classes required to complete the syllabus					65
Total number of classes available as per Schedule					80

Signature			
	Name of the Faculty	Name of Course Co-ordinator	HOD
			Dr. V. RAMA KRISHNA



LESSON PLAN

Department: CIVIL
Course : - ENGLISH -II
SEM: II

Program: B.Tech

Academic Year : 2016-17

S. No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	END Exams
8	Problems using software	Numerical treatment	
9	Self study	Design / Exercises	

Detailed Lesson Plan

S.N O	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT- I						
1	Introduction	10.12.16		2	1	1,2,3,5,7
2	Environment	13.12.16		2	1,3	
3	Environment	14.12.16		2	1,3	
4	Environment	17.12.16		2	1,3	
5	Correction of sentences	19.12.16		2	1,9	
6	Correction of sentences - Quiz	20.12.16		3	1,9	
7	Satyendranath Bose	21.12.16		2	1,9	
8	Satyendranath Bose	24.12.16		2	1,9	
9	Satyendranath Bose	26.12.16		3	1,9	
10	Report Writing	27.12.16		2	1,9	
11	Report Writing	28.12.16		2	1,9	
12	Report Writing - Assignment	31.12.16		2	1,9	
13	Inspiration	02.01.17		2	1, 3	
UNIT- II						
14	Inspiration	03.01.17		2	1,3	1,2,3,5,7
15	Inspiration - Tutorial	04.01.17		2	1,3	

16	If-Clause	07.01.17		3	1,3	
17	Question Tags	09.01.17		2	1,9	
18	If-Clause, Question Tags - Quiz	10.01.17		2	1,9	
19	Idioms and Phrases	11.01.17		3	1,9	
20	Idioms and Phrases	16.01.17		2	1,9	
21	Santi Swarup Bhatnagar	17.01.17		2	1,9	
22	Santi Swarup Bhatnagar	18.01.17		2	1,3	
23	Santi Swarup Bhatnagar	21.01.17		2	1,3	
24	Santi Swarup Bhatnagar - Tutorial	23.01.17		3	1,3	
25	Resume	24.01.17		2	1,9	
26	Resume	25.01.17		2	1,9	
27	Statement of Purpose	28.01.17		2	1,9	
28	Resume; Statement of Purpose-Assignment	01.02.17		2	1,9	
	M I D - I	02-02-2017 TO 04-02-2017				5
UNIT- III						
29	Human Interest	06.02.17		2	1,3	1,2,3,5,7
30	Human Interest	07.02.17		2	1,3	
31	Human Interest	08.02.17		2	1,3	
32	Human Interest - Tutorial	11.02.17		3	1,3	
33	Direct and Indirect Speeches	13.02.17		2	1,9	
34	Direct and Indirect Speeches	14.02.17		2	1,9	
35	Phrasal Verbs	15.02.17		2	1,9	
36	Phrasal Verbs Direct and Indirect Speeches - Quiz	18.02.17		3	1,9	
37	Memo Drafting	20.02.17		2	1,9	
38	Memo Drafting	21.02.17		2	1,9	
39	Meghanadh Saha	22.02.17		2	1,3	
40	Meghanadh Saha	25.02.17		2	1,3	
41	Memo Drafting ; Meghanadh Saha - Assignment	27.02.17		3	1,9	
UNIT- IV						
42	Information Transfer	28.02.17		2	1,9	1,2,3,5,7
43	Media	01.03.17		2	1,3	
44	Media - Tutorial	04.03.17		2	1,3	
45	Concord	06.03.17		2	1,9	
46	Homi Jahagir Bhaba	07.03.17		2	1,3	
47	Homi Jahagir Bhaba	08.03.17		2	1,3	
48	Analogy	11.03.17		2	1,9	
UNIT- V						
49	Vikram Sarabhai	13.03.17		2	1,3	
50	Vikram Sarabhai	14.03.17		3	1,3	
51	Vikram Sarabhai - Tutorial	15.03.17		2	1,9	
52	Gerunds and Infinitives	18.03.17		2	1,9	

53	Gerunds and Infinitives	20.03.17		2	1,9	1,2,3,5,7
54	Correction of sentences	21.03.17		3	1,9	
55	Words often confused	22.03.17		3	1,9	
56	Words often confused	25.03.17		2	1,9	
57	Words often confused; Correction of sentences; Gerunds and Infinitives - Quiz	27.03.17		2	1,9	
58	Expansions	28.03.17		2	1,9	
59	Expansions	01.04.17		3	1,9	
60	Comprehension	03.04.17		3	1,9	
61	Comprehension; Expansions - Assignment	04.04.17		3	1,9	
62	Comprehension; Expansions - Assignment	08.04.17		3	1,9	5
	MID-II	(10-04-17 to 12-04-2017)				

	Instructor	Course Coordinator	Module Coordinator	H O D
Name	Mr. B. Sreenivasa Reddy	Dr. B. Samrajya Lakshmi	Mr. B. Sraja Lakshmi	Dr. A. Rami Reddy
Sign. with Date				



LESSON PLAN

Department: CIVIL
Course : - AM-II
SEM: II

Program: B.Tech

Academic Year : 2016-17

S. No.	Tentative Date	Topics to be covered	Actual Date	Number of Classes	Delivery Method
1	08-12-2016	Course Objective, introduction, their applications		1	DM1
UNIT I					
2	08-12-2016	Applications to real life problems		1	DM1
3	09-12-2016	Laplace Transforms Introduction		1	DM1
4	10-12-2016	Laplace Transforms of Standard Functions		1	DM1
5	12-12-2016	Laplace Transforms of Standard Functions		1	DM1
6	13-12-2016	Problems		1	DM1
7	14-12-2016	First Shifting theorem, Change of Scale		1	DM1
8	15-12-2016	Multiplication and division by t		1	DM1
9	16-12-2016	Derivatives and integrals		1	DM1
10	17-12-2016	Dirac's Delta and Unit Step function, Periodic function		1	DM1
11	19-12-2016	Inverse Laplace Transforms		1	DM1
12	20-12-2016	Multiplication and division by s		1	DM1
13	21-12-2016	TUTORIAL 1		1	DM2
14	22-12-2016	Derivatives and integrals		1	DM1
15	23-12-2016	Inverse L T using Partial Fractions		1	DM1
16	24-12-2016	Convolution Theorem		1	DM1
17	26-12-2016	Solving of O.D.E using L.T.		1	DM1
18	27-12-2016	TUTORIAL 2		1	DM2
19	28-12-2016	Solving of O.D.E using L.T.		1	DM1
20	29-12-2016	Application problems		1	DM1
UNIT II					
21	30-12-2016	Introduction to Fourier series		1	DM1
22	31-12-2016	Determination of Fourier coefficients		1	DM1
23	02-01-2017	TUTORIAL 3		1	DM2
24	04-01-2017	Fourier Series Problems		1	DM1
25	05-01-2017	Assignment UNIT I		1	DM4
26	06-01-2017	Quiz UNIT I		1	DM3
27	07-01-2017	Fourier Series Problems		1	DM1
28	16-01-2017	Even and Odd Functions		1	DM1
29	17-01-2017	TUTORIAL 4		1	DM2

30	18-01-2017	Fourier Cosine and Sine Series		1	DM1
31	19-01-2017	Fourier Series in an arbitrary interval		1	DM1
32	20-01-2017	Fourier Series in an arbitrary interval		1	DM1
33	21-01-2017	Half-range Sine and Cosine series		1	DM1
34	23-01-2017	Half-range Sine and Cosine series		1	DM1
35	24-01-2017	TUTORIAL 5		1	DM2
36	01-02-2017	Half-range series in an arbitrary interval		1	DM1
37	02-02-2017	Half-range series in an arbitrary interval		1	DM1
38	03-02-2017	Assignment UNIT II		1	DM1
39		Quiz UNIT II		1	DM1
Unit III					
40	04-02-2017	Fourier Integral theorem		1	DM1
41	06-02-2017	Fourier Integral theorem		1	DM1
42	07-02-2017	Fourier sine and cosine integrals		1	DM1
43	08-02-2017	Fourier Transform		1	DM1
44	09-02-2017	Fourier Transform		1	DM1
45	10-02-2017	Sine and cosine transforms		1	DM1
46	13-02-2017	Sine and cosine transforms		1	DM1
47	14-02-2017	Properties		1	DM1
48	15-02-2017	Inverse Transform		1	DM1
49	16-02-2017	Inverse Transform		1	DM1
50	17-02-2017	Finite Fourier Transforms		1	DM1
51	18-02-2017	Inverse Sine and cosine transforms		1	DM1
52	20-02-2017	TUTORIAL 6		1	DM2
UNIT IV					
53	16-02-2017	Introduction to Z-Transform		1	DM1
54	17-02-2017	Properties		1	DM1
55	18-02-2017	Damping Rule, Shifting Rule		1	DM1
56	20-02-2017	Initial and Final Value Theorems		1	DM1
57	21-02-2017	TUTORIAL 7		1	DM2
58	06-03-2017	Inverse Z-Transform		1	DM1
59	07-03-2017	Convolution theorem		1	DM1
60	08-03-2017	Convolution theorem		1	DM1
61	09-03-2017	Sol.of difference eqn.by Z-Transform		1	DM1
62	10-03-2017	Sol.of difference eqn.by Z-Transform		1	DM1
63	13-03-2017	TUTORIAL 8		1	DM2
64	14-03-2017	Assignment UNIT III		1	DM4
65	15-03-2017	Quiz UNIT III		1	DM3
UNIT V					
66	16-03-2017	Multiple Integrals		1	DM1
67	17-03-2017	Double integrals-Cartesian		1	DM1
68	18-03-2017	Double integrals-Polar			
69	20-03-2017	TUTORIAL 9		1	DM2

70	21-03-2017	Assignment UNIT IV		1	DM4
71	22-03-2017	Quiz UNIT IV		1	DM3
72	22-03-2017	Triple integrals-Cartesian		1	DM1
73	23-03-2017	Triple integrals-Polar		1	DM1
74	23-03-2017	TUTORIAL 10		1	DM2
75	24-03-2017	Triple integrals-Spherical		1	DM1
76	24-03-2017	Change of order of Integration		1	DM1
77	25-03-2017	Change of order of Integration		1	DM1
78	25-03-2017	Change of order of Integration		1	DM1
79	26-03-2017	Applications to Areas		1	DM1
80	26-03-2017	TUTORIAL 11		1	DM2
81	27-03-2017	Applications to Areas		1	DM1
82	27-03-2017	Applications to Volumes		1	DM1
83	28-03-2017	Applications to Volumes		1	DM1
84	28-03-2017	Assignment UNIT V		1	DM4
85	30-03-2017	Quiz UNIT V		1	DM3
86	30-03-2017	TUTORIAL 12		1	DM2
87	31-03-2017	Revision		1	
88	31-03-2017	Revision		1	
89		Revision		1	
90		Beyond the Syllabus			
91		Beyond the Syllabus			
		Total Number of classes available as per academic calender		91	
		Total Number of classes required to complete the syllabus		83	

NOTE: DELIVERY METHODS : **DM1:** Lecture interspersed with discussions/BB, **DM2:** Tutorial,

DM3: Lecture with a quiz, **DM4:** Assignment/Test, **DM5:** Demonstration (laboratory, field visit),

DM6: Presentations/PPT

At the End of the course, students attained the **Course Outcomes:CO1,CO2,CO3,CO4,CO5** & sample proofs are enclosed in Course file.

Signature			
	Name of the Faculty	Name of Course Co-ordinator	HOD



LESSON PLAN

Department: CIVIL
Course : - EP

Program: B.Tech

SEM: II

Academic Year : 2016-17

S.No	Tentative Date	Topics to be covered	No. of lectures	Actual date	Delivery Method
1.	08-12-2016	UNIT I INTERFERENCE: Introduction	01		DM1
2.	09-12-2016	Superposition of waves, Coherence	01		DM1
3.	10-12-2016	Interference from thin films	01		DM1
4.	12-12-2016	Tutorial	01		DM1
5.	13-12-2016	Newton's rings	01		DM1
6.	14-12-2016	Newton's rings			DM1
7.	15-12-2016	DIFFRACTION: Introduction – Diffraction and wave theory of light	01		DM1
8.	16-12-2016	Difference between interference and diffraction, Types of diffraction	01		DM2
9.	17-12-2016	Single slit diffraction			DM1
10.	19-12-2016	Single slit diffraction	01		DM1
11.	20-12-2016	Double slit diffraction	01		DM1
12.	21-12-2016	diffraction –N parallel slits	01		DM1
13.	22-12-2016	Tutorial			DM1
14.	23-12-2016	Diffraction grating- Grating spectrum	01		DM2
15.	24-12-2016	POLARISATION: Introduction,	01		DM1
16.	26-12-2016	Polarization by reflection, Brewster's law	01		DM1
17.	27-12-2016	Tutorial	01		DM1
18.	28-12-2016	Polarization by scattering, Refraction and absorption			DM1
19.	29-12-2016	Double refraction, Nicol's prism	01		DM2
20.	30-12-2016	Optical Activity, QWP& HWP	01		DM1
21.	31-12-2016	Unit II Principles of Quantum mechanics Introduction	01		DM1
22.	02-01-2017	Tutorial	01		DM1
23.	04-01-2017	De Broglie Hypothesis,	01		DM1

24.	05-01-2017	Properties Matter waves			DM1
25.	06-01-2017	G.P Thomsons Experiment	01		DM1
26.	07-01-2017	Davission &Germers experiment	01		DM1
27.	16-01-2017	Heisenberg's uncertainty principle	01		DM1
28.	17-01-2017	Schrodinger independent wave equation	01		DM2
29.	18-01-2017	Physical significance of wave function	01		DM1
30.	19-01-2017	Particle in a box	01		DM2
31.	20-01-2017	Assignment-1	01		DM4
32.	21-01-2017	Assignment-2	01		DM4
33.	04-02-2017	UNIT III LASERS: Introduction - characteristics of Lasers	01		DM1
34.	06-02-2017	Principle of laser (Absorption, Spontaneous and stimulated emission of radiation)	01		DM1
35.	07-02-2017	Difference between Spontaneous and stimulated emission of radiation	01		DM1
36.	08-02-2017	Meta stable state ,life time	01		DM1
37.	09-02-2017	Tutorial	01		DM2
38.	10-02-2017	Three and For level pumping	01		DM1
39.	13-02-2017	Population inversion	01		DM1
40.	14-02-2017	Einstein's coefficients	01		DM2
41.	15-02-2017	Ruby laser	01		DM1
42.	16-02-2017	He-Ne gas laser	01		DM2
43.	17-02-2017	Applications	01		DM1
44.	18-02-2017	FIBER OPTICS Introduction-principle and structure of optical fibre	01		DM1
45.	20-02-2017	Acceptance angle –acceptance cone-numerical aperture	01		DM2
46.	21-02-2017	Tutorial	01		DM1
47.	16-02-2017	optical fibres based on refractive index profile	01		DM2
48.	17-02-2017	Applications of optical fibers	01		DM1
49.	18-02-2017	Tutorial	01		DM1
50.	20-02-2017	Assignment-3	01		DM4
51.	21-02-2017	Unit IV Magnetic materials Introduction	01		DM1
52.	06-03-2017	Origin of Magnetic moment	01		DM2
53.	07-03-2017	Classification of magnetic materials(Para Dia,& Ferro)	01		DM1
54.	08-03-2017	Tutorial	01		DM1
55.	09-03-2017	Domain theory of	01		DM2

		ferromagnetism			
56.	10-03-2017	Hysteresis loop, Soft and Hard Magnetic materials	01		DM1
57.	13-03-2017	Antiferromagnetic and ferrimagnetic materials	01		DM1
58.	14-03-2017	Applications	01		DM8
59.	15-03-2017	Assignment-4	01		DM4
60.	16-03-2017	UNIT V SUPERCONDUCTIVITY: Phenomenon, Critical Parameters	01		DM1
61.	17-03-2017	Meissner Effect and effect on electricity on super conductors	01		DM2
62.	18-03-2017	Tutorial	01		DM1
63.	20-03-2017	Type I, Type II Super conductors	01		DM1
64.	21-03-2017	BCS theory of Super Conductivity	01		DM1
65.	22-03-2017	Flux Quantisation	01		DM1
66.	23-03-2017	London equations, penetration depth	01		DM2
67.	24-03-2017	Tutorial	01		DM1
68.	25-03-2017	Josephson effect	01		DM8
69.	27-03-2017	Applications	01		DM4
70.	28-03-2017	SQUIDS	01		DM-3
71.	30-03-2017	Assignment-5	01		DM-4
72.	31-03-2017	Tutorial	01		DM-9

Note: DELIVERY METHODS (DM) DM1: Lecture interspersed with discussions/BB, DM2: Tutorial, DM3: Lecture with quiz, DM4: Assignment/Test, DM5: Demonstration (laboratory, field visit), DM6: Group discussion, DM7: Group assignment/Project, DM8: Presentations/PPT, DM9: Asynchronous Discussion.

Signature	Name of the faculty	Name of Course Co-ordinator	
			HOD



LESSON PLAN

Department: CIVIL

Program: B.Tech

Course : - CABD

SEM: II

Academic Year : 2016-17

Schedules For The Conduction Of Experiments

Faculty Name: J. Eeswar Ram

Semester: I B. Tech (II SEM)

A.Y. 2016-17

Subject: B.P & CAD LAB Subject Code: L115

S.NO	Date	Experiment
	<u>CYCLE-1</u>	
1.	13-12-2016	Introduction and Conventional symbols
2.	20-12-2016	English bond and Flemish bond
3.	27-12-2016	Fully Panelled Window
4.	03-01-2017	Fully Panelled Door with wooden panel
5.	10-01-2017	Fully Panelled Door with RCC frame
6.	17-01-2017	Panelled and glazed door with wooden panel
7.	24-01-2017	Steel roof truss
8.	31-01-2017	King post and Queen post trusses
	<u>CYCLE-2</u>	
9.	07-02-2017	Foundations
10.	14-02-2017	Single floor residential building - Plan, Elevation and Cross section
11.	21-02-2017	Storied residential building- Plan, Elevation and Cross section
12.	28-02-2017	Framed office building- Plan, Elevation and Cross section
13.	07-03-2017	Institution building- Plan, Elevation and Cross section
14.	14-03-2017	3D view of a single floor residential building
15.	21-03-2017	3D view of a dog legged stair case
16.	28-03-2017	3D view of a spiral stair case
17.	04-04-2017	INTERNAL EXAM

HEAD OF DEPARTMENT

FACULTY

CYCLE-1

1. English bond and Flemish bond
2. Conventional symbols
3. Fully Panelled Window
4. Fully Panelled Door with wooden panel
5. Fully Panelled Door with RCC frame
6. Panelled and glazed door with wooden panel
7. Steel roof truss
8. King post and Queen post trusses

CYCLE-2

9. Foundations
10. Single floor residential building - Plan, Elevation and Cross section
11. Storied residential building- Plan, Elevation and Cross section
12. Framed office building- Plan, Elevation and Cross section
13. Institution building- Plan, Elevation and Cross section
14. 3D view of a single floor residential building
15. 3D view of a dog legged stair case
16. 3D view of a spiral stair case

**LAB SCHEDULE:**

Department: CIVIL
Course : - EP LAB (L 142)
SEM: II

Program: B.Tech
Academic Year : 2016-17

List of Experiments: (Any 8 Experiments)

1. Determine the Radius of Curvature of Plano - Convex lens by forming Newton's Rings.
2. Determine the Wavelengths of various spectral lines using grating with the normal incidence method.
3. Determination of wavelength of laser radiation.
4. Study the magnetic field along the axis of a current carrying coil and to verify Biot – Savart's law.
5. Determine the Refractive index of a given prism.
6. Determine the thickness of a thin material using wedge shaped film.
7. Determine the width of the slit by using laser source by forming diffraction pattern.
8. Determine the specific rotation of an optically active substance.
9. Study the characteristics of L.C.R Circuit.
10. Determine the frequency of AC supply by using Sonometer.
11. Determine the rigidity modulus of a given material using Torsional pendulum.
12. Determine the frequency of a vibrating bar or electrical tuning fork using Meldy's apparatus.

S. No	No. of hrs	Date	Planned Topics	Topics Covered	Remarks
1	03	10-12-16	Introduction		
2	03	17-12-16	Demonstration		
3	03	24-12-16	Experiment 1		
4	03	31-12-16	Experiment 2		
5	03	07-01-17	Experiment 3		
6	03	21-01-17	Experiment 4		
7	03	28-01-17	Experiment 5		
8	03	04-02-17	Revision		
9	03	11-02-17	MID I		
10	03	18-02-17	Demonstration		
11	03	25-02-17	Experiment 6		
12	03	04-03-17	Experiment 7		
13	03	11-03-17	Experiment 8		
14	03	18-03-17	Experiment 9		
15	03	25-03-17	Revision		
16	03	01-04-17	Internal Exam		
17	03	08-04-17	Internal Exam		

Lab In-charge

Head of the Department

	LAB SCHEDULE:	
	Department: CIVIL Course : - EW LAB (L 143) SEM: II	Program: B.Tech Academic Year : 2016-17

LIST OF EXPERIMENTS
II SEM CIVIL ENGINEERING A.Y:2016-17

S.NO	Name of the Experiment
<u>TINSMITHYSHOP</u>	
1	T1: Preparation of a rectangular tray.
<u>BLACK SMITHY</u>	
2	B1: Preparation of S –Hook.
<u>CARPENTRY SHOP</u>	
3	C1: Preparation of Mortise and Tenon Joint
4	C2: Preparation of half lap joint.
<u>HOUSE WIRING</u>	
5	H1: Two lamps in series and parallel connection with one way switch
6	H2: Florescent lamp and calling bell circuit.
<u>FITTING SHOP</u>	
7	F1: Making a T - Fit from a rectangular piece of MS
8	F2: Making a V - Fit from a rectangular piece of MS
<u>PLUMBING</u>	
9	<u>P1: Pipe threading.</u>
10	P2: Preparation of pipe layout

Lab In-charge

Head of the Department



LAB SCHEDULE:

Department: CIVIL
Course : - EW LAB (L 143)
SEM: II

Program: B.Tech

Academic Year : 2016-17

Schedule of Experiments

II SEM		CIVIL ENGINEERING(R15)		A.Y:2015-16	
S.No	BATCH	BATCH-A	BATCH-B	BATCH-C	BATCH-D
	DATE				
1	07-12-16	DEMONSTRATION		DEMONSTRATION	
2	14-12-16	DEMONSTRATION		DEMONSTRATION	
3	21-12-16	B1		F1	
4	28-12-16	F1		B1	
5	04-01-17	C1	H1	F1	P1
6	18-01-17	C2	H2	F2	P2
7	25-01-17	H1	F1	P1	C1
8	01-02-17	H2	F2	P2	C2
9	08-02-17	F1	P1	C1	H1
10	15-02-17	F2	P2	C2	H2
11	22-02-17	P1	C1	H1	F1
12	01-03-17	P2	C2	H2	F2
13	22-03-17	REPITATION			
14	28-03-17	INTERNAL EXAMINATION			
15	05-04-17	Viva - voce			

Lab In-charge

Head of the Department



Program: B.Tech
Academic Year : 2016-17

1. Course Objectives:

This course introduces to learn fundamentals of computer and its parts , Assembly and disassembling of computer and its peripheral devices ,Installation of operating systems , Trouble shooting of hardware and software and Exposure to internet, MS office and Photoshop packages.

2. Course Outcomes (COs): At the end of the course, the student will be able to :

CO1: Develop skill in S/W and H/W trouble shooting, and solve the problems of assembling and OS installation.

CO2: Develop skill in using office suite.

CO3: Develop skill in using tools like RAPTOR, LaTeX and adobe Photoshop.

3. Course Articulation Matrix:

Course Code	COs	Programme Outcomes												PSOs		
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
L110	CO 1					1				2			2	1		
	CO 2					3					3		2	1		
	CO 3					3					3		2	1		
1 = Slight (Low)		2 = Moderate (Medium)						3-Substantial(High)								

4. Course Delivery Plan:

S.NO	TOPIC TO BE COVERED	No.of Classes batch A&B		Hours	DM
		As per the Schedule	Taken		
ITWS Lab(L154)					
1	Cycle 1 - PC Hardware Task 1: Identify the peripherals of a computer, components in a CPU and its functions. Draw the block diagram of the CPU along with the configuration of each peripheral and submit to your instructor. Task 2: Every student should disassemble and assemble the PC back to working condition. Lab instructors should verify the work and follow it up with a Viva. Also students need to go through the video which shows the process of assembling a PC. A video would be given as part of the course content				2,5,6
2	Cycle -2 Task 1: Every student should individually install MS windows on the personal computer. Lab instructor should verify the installation and follow it up with a Viva.				2,5,6
3	Cycle -3 Task -1: Hardware Troubleshooting Task 2: Software Troubleshooting				2,5,6
4	Cycle -4 Task 1: Orientation & Connectivity Boot Camp Task 2: Web Browsers, Surfing the Web Task 3: Search Engines Task 4: Cyber Hygiene				2,5,6

5	Cycle -5 Task 1: Word Orientation. Task 2: Using word to create project certificate.				2,5,6
6	Cycle -6 Task 3: Creating project abstract using word. Task 4: Creating a Newsletter using word.				2,5,6
7	Cycle -7 Task 1: Excel Orientation. Task 2: Calculating GPA				2,5,6
8	Cycle -8 Task1: power point Orientation Task 2: Topic covered during this task includes: Hyperlinks, Inserting - Images, Clip Art, Audio, Video, Objects, Tables and Charts				2,5,6
9	Cycle -9 Task 1: photo shop Orientation				2,5,6
10	Cycle-10 Task 1: Students will be working on www.blogspot.com to create own free blog with Blogger				2,5,6
11	Cycle-11 Task 1: Tips and tricks. Keyboard shortcuts, taskbar, screen shot, Taking advantage of search, Task Manager, Power option,				2,5,6

Delivery Methods (DM):

1. Chalk & Talk 2. ICT Tools 3. Tutorial 4. Assignment/Test/Quiz
5. Laboratory/Field Visit 6. Web based learning.

	Course Instructor	Course Coordinator	Module Coordinator	HOD
Signature				
Name of the Faculty				

PRINCIPAL