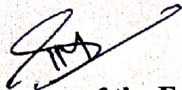


LESSON PLAN

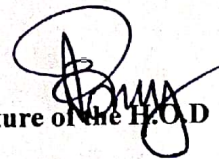
Name of the Institute :		C.V. Raman Polytechnic, BHUBANESWAR
Department :		CIVIL ENGINEERING
Semester/Division/Branch :		6th SEM/CIVIL
Subject Name with code :		CONCRETE TECHNOLOGY / Th-4
Total No. of Class (Required) :		60
Faculty Name :		SAFALYA MOHANTY
Class No.	Brief Description of the Topic/Chapter to be taught	Remarks
1	Concrete as a construction material	
2	.....DO.....	
3	Advantages and disadvantages of concrete.	
4	Cement	
5	.....DO.....	
6	.....DO.....	
7	water cement ratio and compressive strength	
8	.....DO.....	
9	Aggregate, Water and Admixtures:	
10	.....DO.....	
11	.....DO.....	
12	Quality of water for mixing and curing.	
13	.....DO.....	
14	Important functions, classification of admixtures	
15	.....DO.....	
16	Properties of fresh concrete	
17	.....DO.....	
18	.....DO.....	
19	workability, slump test, compacting factor test	
20	.....DO.....	
21	.....DO.....	
22	requirement of workability	
23	Properties of hardened concrete	
24	.....DO.....	

25	stress-strain and elasticity, phenomena of creep and shrinkage	
26	.....DO.....	
27	.....DO.....	
28	permeability, durability of concrete, sulphate	
29	.....DO.....	
30	.....DO.....	
31	Concrete mix Design	
32	.....DO.....	
33	.....DO.....	
34	Nominal mix concrete & design mix concrete.	
35	.....DO.....	
36	.....DO.....	
37	Production of concrete	
38	.....DO.....	
39	.....DO.....	
40	concrete, compaction of concrete (vibrators), Curing of concrete	
41	.....DO.....	
42	Formwork-requirements and types	
43	.....DO.....	
44	Inspection and Quality Control of Concrete	
45	.....DO.....	
46	.....DO.....	
47	.....DO.....	
48	.....DO.....	
49	.....DO.....	
50	.....DO.....	
51	Special Concrete	
52	.....DO.....	
53	.....DO.....	
54	high performance concrete, silica fume concrete	
55	.....DO.....	
56	.....DO.....	
57	.....DO.....	

58	Repair technology for concrete structures:	
59	.....DO.....	
60	.....DO.....	



Signature of the Faculty



Signature of the H.O.D