

# 192-GEETA ENGINEERING COLLEGE

## LESSON PLAN

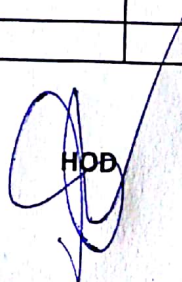
Name of the faculty : Mr. Jitender Chatra  
 Discipline : Mechanical  
 Semester : 6th  
 Subject : Industrial Engineering  
 Lesson Plan duration : 15 weeks ( Jan. 2018- Apr. 2018)  
 Work Load per week (in hours) : Lectures-04

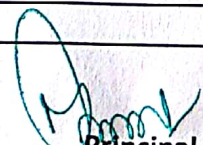
Week	Theory		Practical	
	Lecture Day	Topic (including Test/Assignment)	Practical Day	Topic
1	1	Introduction to productivity		
	2	factors affecting productivity		
	3	Measurement of productivity, causes of low productivity		
	4	methods to improve productivity		
2	5	Definition and scope of work study; Inter-relation between method study		
	6	work measurement; Human aspects of work study		
	7	Role of work study in improving productivity		
	8	Class Test-1		
3	9	Objectives and procedure for Method analysis		
	10	Information collection		
	11	recording techniques		
	12	Principles of Motion analysis		
4	13	Therbligs and SIMO charts		
	14	Normal work area		
	15	design of work places. ergonomics		
	16	Objectives; work measurement techniques		
5	17	stop watch time study; principle		
	18	equipment used and procedure		
	19	systems of performance rating		
	20	Calculations of basic times; various allowances		
6	21	calculation of standard time		
	22	work sampling		
	23	standard data and its usage.		
	24	Introduction to wages, Wage payment for direct and indirect labour		
	25	Wage payment plans and incentives		



7	26	various incentive plans		
	27	incentives for indirect Labour		
	28	Introduction, objectives and components (functions) of P.P.C		
8	29	Advantages of production planning and Production Control		
	30	stages of P.P.C, process planning		
	31	<b>Class Test-2</b>		
	32	routing, scheduling		
9	33	dispatching and follow up		
	34	routing purpose, route sheets		
	35	scheduling – purpose, machine loading chart		
	36	Gantt Chart		
10	37	purpose, and procedure, follow up – purpose and procedure		
	38	CPM/PERT		
	39	technique, drawing of simple networks		
	40	critical time calculation.		
11	41	Production Control in job order		
	42	batch type and continuous type of productions		
	43	Difference between these controls.		
	44	Introduction, purpose/functions of estimating		
12	45	costing concept, ladder		
	46	elements of cost		
	47	difference between estimation and costing		
	48	Overheads and their type		
13	49	estimation of material cost		
	50	<b>Class Test -3</b>		
	51	estimation of cost for machining		
	52	numerical problems.		
14	53	Revision of Chapter-1		
	54	Revision of Chapter-2		
	55	Revision of Chapter-3		
	56	Revision of Chapter-4		
15	57	Revision Of chapter-6		
	58	Revision of Chapter-7		
	59	Revision Of chapter-8		
	60	<b>Full Test</b>		

  
Teacher

  
HOD

  
Principal