4049

~~4243~~ – MECHANICAL ENGG. PROJECT										
Teaching Schedule Per Week			Progressive Assessment		Examination Schedule (Marks)					
					Theory		Seminar\oral		Total	
Lectures	Practical	Credits								
-	4	4	50		-	-	50		100	
Pre-requisite		Source	Semester	Theory	Test	Total	TW	PR	Gr Total	
75 CR ~~MH~~		MEC		—	—	—	50	50	100	

RATIONALE: Any technician with independent charge or otherwise come across problem. Solution of a problem involves definition of problem, background data to analyse the problem, analysis of data, Alternative solutions, Positive solution with conclusion. These all processes are required to be covered in sequence. Model may be fabricated to demonstrate the solution of the problem.

OBJECTIVES: a) to develop the skill to identify the problem and to develop attitudes to take steps to seek solution to the problem in above particular steps. b) to develop skill of reporting the matter (report writing). C) to develop skills to communicate the problem and solutions (Seminar). Project report should consist of study and some aspect of production, writing a technical report on project assigned by a concerned teacher. The assignments based on one or more of the following topics:

COURSE CONTENTS

1. Plant layout
2. Processes planning and operation planning Inventory control.
3. Methods improvement and setting time standard.
4. Production Planning and control techniques
5. Location problems of new industry
6. Production cost estimation.
7. Industrial survey work.
8. Starting a new small scale industry
9. Industrial safety
10 Fabrication and others related to local conditions
10. Any other suitable areas.

A Daily diary should be maintained wherein records of day to day activities shall be recorded & shall be dully attested by project guide. The group of students should submit the final copy of their project report to the institute in addition to one copy for each student of the group. A batch should be of maximum 5 students

ASSESSMENT

The project should be evaluated by giving due emphasis to the following parameters:

1. Selection of project topic.
2. Data collection & problem Definition
3. Data Analysis.
4. Alternate solutions & justification of optimal solution.
5. Presentation (seminar/oral, report)
6. Fabrication or model making.
7. Group behaviour.