



Diploma branch in which subject is offered: - Automobile Engineering

Objective: To expose student to industry-standard project practices, through a real-life project work under time and deliverable constraints, applying the knowledge acquired through various courses.

Credits Earned: 9

Course Outcomes:

- After learning the course, the students should be able to:
- To provide an opportunity to apply the knowledge gained through various courses in solving a real-life problem
- To provide an opportunity to practice different phases of Automobile system developments.
- To provide an opportunity for structured team work and project management
- To provide an opportunity for effective, real-life, technical documentation.
- To provide an opportunity to practice time, resource and person management.

Pre-requisite of course: Nil

Teaching and Examination Scheme

Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
Theory	Tutorial	Practical		ESE	IA	CSE	Viva	Term work	
0	0	18	09	0	0	0	50	50	100

Contents:

Sr. No.	Topics	Teaching hrs.	Weightage
1	The Student will have to prepare a thorough project report/ literature review based on practical work or experimental work or Analysis, Simulation, Design & Development of a product, using design softwares/tools and will have to give a presentation based on it.	18	50
2	The project may be carried out either in Institute or Industries or Research organization. Concerned guide & Head of the	18	50



	Department should approve project. The examiners will evaluate project at the end of the term.		
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Suggested Theory distribution:

Distribution of Theory for course delivery and evaluation					
Remember	Understand	Apply	Analyse	Evaluate	Create
35%	40%	25%	0	0	0

Instructional Method:

During the semesters, Students will have to write two types of reports.

1. Course-work reports: i.e. reports for communication with your tutor or guide,
2. A summary of work carried out, the readings, calculations, results and answers in numerical or graphical form, and a discussion of the results, answers and conclusions.
3. Effort should be made to identify actual field problems to be given as project work to the students. Project selected should not be too complex which is beyond the comprehension level of the students. The placement of the students for such a practical cum project work should match with the competency profile and interest of students.

The suggested performance criteria are given below:

1. Punctuality and regularity (Log book - mandatory and produced during Term work verification)
2. Initiative in learning/working at site/workshop.
3. Level/proficiency of practical skills acquired.
4. Sense of responsibility.
5. Self-expression/Communication skills.
6. Interpersonal skills.
7. Report writing skills.
8. Viva voce.