

Program : Diploma in Automobile Engineering	
Course Code : 4059	Course Title: Transport Management Practices
Semester : 4	Credits: No Credit
Course Category: Program Core	
Periods per week: 3 (L:0, T:0, P:3)	Periods per semester: 45

Course Objectives:

- To understand the important features of Indian Motor Vehicle Act 1988.
- To learn the components of transport management and Bus operation.
- To aware the knowledge on computer based transport planning
- To perform vehicle insurance and surveying.

Course Prerequisites:

Topic	Course code	Course name	Semester
Knowledge of humanities and social science		Communication skills in English	1
Engineering Science		Introduction to IT systems	1

Course Outcomes:

On completion of the course, the student will be able to:

CO _n	Description	Duration (Hours)	Cognitive Level
CO1	Identify the features of motor vehicle law 1988	8	Applying
CO2	Make use of the basics of transport management	12	Applying
CO3	Apply the use of computer in transport management planning	12	Applying
CO4	Utilize insurance and surveying procedures	10	Applying
	Lab Exam	3	

CO – PO Mapping:

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3						
CO2	3	2		2			
CO3	3	2		2			
CO4	3						

3-Strongly mapped, 2-Moderately mapped, 1-Weakly mapped

Course Outline:

Module Outcomes	Description	Duration (Hours)	Cognitive Level
CO1	Identify the features of Motor Vehicles Law 1988		
M1.01	Identify the basic features of Motor Vehicle Act	2	Applying
M1.02	Make use of various Mandatory signs, Cautionary signs and informatory signs	1	Applying
M1.03	Utilize various traffic signals	1	Applying
M1.04	Make use of parivahan site of ministry of road Transport & Highways	2	Applying
M1.05	Summarize Road safety provisions in Motor vehicle act 1988	2	Understanding
CO2	Make use of the basics of Transport Management		
M2.01	Illustrate the layouts of Transport Organizations	2	Understanding
M2.02	Experiment with Traffic data	3	Applying
M2.03	Construct Bus schedule and Crew Schedule	2	Applying
M2.04	Experiment with Computer Scheduling for Bus operation	3	Applying
M2.05	Construct Fare table with existing norms of Government	2	Applying
	Lab Exam – I	1.5	
CO3	Apply the use of computers in transport management planning		
M3.01	Identify Types of roads and design factors	2	Applying

M3.02	Make use of Traffic data for traffic Planning	2	Applying
M3.03	Model traffic networks	3	Applying
M3.04	Experiment with basics Logistic software	5	Applying
CO4	Utilize insurance and surveying procedures		
M4.01	Utilize Various Vehicle Insurance Companies	2	Applying
M4.02	Identify the procedure involved in assessing	2	Applying
M4.03	Identify the point of impacts of damaged Vehicle.	2	Applying
M4.04	Develop an Accident report	2	Applying
M4.05	Develop a vehicle appraisal report	2	Applying
	Open Ended Projects		Applying
	Lab Exam – II	1.5	

**** - Suggested Open Ended Projects**

(Not for End Semester Examination but compulsory to be included in Continuous Internal Evaluation. Students can do open ended experiments as a group of 2-3. There is no duplication in experiments between groups.

1. Make use of charts mentioning the type of signs provided by authority in route/routes.
2. Plan a traffic survey on a route and analyze the result.
3. Develop a model traffic route using any open simulation software.
4. Build a model survey report.

Text / Reference:

T/R	Book Title/Author
T1	Transport Management/TTTI Chennai
R2	Motor vehicle act 1988
R3	Transport Engineering and Transport Planning/L.R. Kadiyali
R5	Bus operation/ L D Kitchin

Online Resources:

Sl.No	Website Link
1	https://www.india.gov.in/topics/transport
2	https://mvd.kerala.gov.in/
3	https://parivahan.gov.in/parivahan/
4	http://cirtindia.com/index.html