



DEPARTMENT OF CIVIL ENGINEERING

Lesson Plan & Work-Done Diary for AY: 2026-27, Odd Semester

Course with Code: Road Safety Engineering – BCV755A				Faculty: Bharathi B			Semester: 7	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1		Collection of Accident Data	PPT	1		Collection of Accident Data	PPT	
2		Assessment of Road Safety	PPT	2		Assessment of Road Safety	PPT	
3		Methods to Identify and Prioritize Hazardous Locations and Elements	PPT	3		Methods to Identify and Prioritize Hazardous Locations and Elements	PPT	
4		Determine Possible Causes of Crashes	PPT	4		Determine Possible Causes of Crashes	PPT	
5		Crash Reduction Capabilities and Countermeasures	PPT	5		Crash Reduction Capabilities and Countermeasures	PPT	
6		Effectiveness of Safety Design Features	PPT	6		Effectiveness of Safety Design Features	PPT	
7		Effectiveness of Accident Reconstruction	PPT	7		Effectiveness of Accident Reconstruction	PPT	
8		Effectiveness of Condition and Collision Diagram.	PPT	8		Effectiveness of Condition and Collision Diagram.	PPT	





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MODULE-2								
9		Statistical Methods in Traffic Safety Analysis	PPT	9		Statistical Methods in Traffic Safety Analysis	PPT	
10		Regression Methods	Chalk & Talk	10		Regression Methods	Chalk & Talk	
11		Poisson Distribution	Chalk & Talk	11		Poisson Distribution	Chalk & Talk	
12		Chi- Squared Distribution	Chalk & Talk	12		Chi- Squared Distribution	Chalk & Talk	
13		Statistical Comparisons	Chalk & Talk	13		Statistical Comparisons	Chalk & Talk	
14		Numericals on Statistical Methods	Chalk & Talk	14		Numericals on Statistical Methods	Chalk & Talk	
15		Traffic Management Measures	PPT	15		Traffic Management Measures	PPT	
16		Influence on Accident Prevention.	PPT	16		Influence on Accident Prevention.	PPT	





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MODULE-3								
17		Vehicle Characteristics	Chalk & Talk	17		Vehicle Characteristics	Chalk & Talk	
18		Human Characteristics	Chalk & Talk	18		Human Characteristics	Chalk & Talk	
19		Road Design and Safety Elements	PPT	19		Road Design and Safety Elements	PPT	
20		Redesigning Junctions	PPT	20		Redesigning Junctions	PPT	
21		Cross Section Improvements	PPT	21		Cross Section Improvements	PPT	
22		Traffic Control	PPT	22		Traffic Control	PPT	
23		Traffic Calming Measures	PPT	23		Traffic Calming Measures	PPT	
24		Road Safety Furniture	PPT	24		Road Safety Furniture	PPT	



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MODULE-4								
25		Types of Signs - 1	PPT	25		Types of Signs - 1	PPT	
26		Types of Signs - 2	PPT	26		Types of Signs - 2	PPT	
27		Design Specifications	PPT	27		Design Specifications	PPT	
28		Guidelines for Installation	Chalk & Talk	28		Guidelines for Installation	Chalk & Talk	
29		Role of Signs in Safety	Chalk & Talk	29		Role of Signs in Safety	Chalk & Talk	
30		Types of Road Markings	PPT	30		Types of Road Markings	PPT	
31		Design Specifications	PPT	31		Design Specifications	PPT	
32		Role of Road Markings in Safety	PPT	32		Role of Road Markings in Safety	PPT	



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MODULE-5								
33		Road Safety Audits	PPT	33		Road Safety Audits	PPT	
34		Tools for Safety Management Systems	PPT	34		Tools for Safety Management Systems	PPT	
35		Road Safety Audit Process - 1	PPT	35		Road Safety Audit Process - 1	PPT	
36		Road Safety Audit Process - 2	PPT	36		Road Safety Audit Process - 2	PPT	
37		Road Safety Improvement Strategies - 1	PPT	37		Road Safety Improvement Strategies - 1	PPT	
38		Road Safety Improvement Strategies - 2	PPT	38		Road Safety Improvement Strategies - 2	PPT	
39		ITS and Safety - 1	PPT	39		ITS and Safety - 1	PPT	
40		ITS and Safety - 2	PPT	40		ITS and Safety - 2	PPT	





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	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/ Quizzes/ Self-study	Assignment - 02 Quiz - 05		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	03		
5	ICT based Teaching (% of usage in Curriculum)	70		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	