

1.	Title of the course	Traffic Engineering Laboratory
2.	Course number	CE533P
3.	Structure of credits	0-0-3-2
4.	Offered to	PG
5.	New course/modification to	Modification To CE5197/8
6.	To be offered by	Department of Civil and Environmental Engineering
7.	To take effect from	July 2022
8.	Prerequisite	Nil
9.	Course Objective(s): The course would help the students to understand the different techniques used for traffic data collection at various road facilities. Students will learn data processing methods, subjecting them to analysis and interpretation. The course also gives exposure to software tools like video data analyzer and traffic simulation	
10.	Course Content: Volume study; Spot speed study; Headway study; Moving observer method study; Origin-Destination survey; Parking survey; Intersection volume study; Saturation flow measurement; Intersection delay measurement; Gap acceptance study of uncontrolled intersection; Exposure to use of software tools such as video data analyzer and traffic simulation.	
11.	Textbook(s): 1. Roess R P, Prassas E S and McShane W R, Traffic Engineering, Pearson (2010). 2. Kadiyali L R, <i>Traffic Engineering and Transport Planning</i> , Khanna Publishers (2011).	
12.	Reference(s): 1. Khanna S K, Justo C E G and Veeraragavan A, <i>Highway Engineering</i> , Nem Chand & Brothers (2015).	