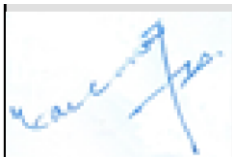## TENTATIVE TEACHING PLAN (THEORY)

Department: **Civil Engineering**

Name of Teacher: **Prof. Dr. Naeem Aziz Memon**

Subject: **Traffic Engg & Pavement Design**   Course Code: **CE451**   Batch: **20CE (C+D)**   Year: **Final**   Semester:**2ⁿᵈ**

Semester Starting Date: **15-07-2024**   Semester Suspension Date: **06-11-2024**

Course Learning Outcomes (CLOs):
Upon successful completion of the course, the student will be able to:

CLO No.	Description	Taxonomy Level	Linking to PLOs
1	APPLY basics of traffic engineering for effective traffic management	C3	3
2	DESIGN Rigid and Flexible Pavements.	C6	4

S #	Topic	CLO's	No: of lecture Hrs reqrd
1.	**Traffic Engineering**: Introduction	1	1
2.	Highway safety	1	1
3.	Traffic control devices	1	2
4.	Traffic sign	1	1
5.	Traffic signals	1	3
6.	Capacity Analysis	1	2
7.	Traffic Management	1	1
8.	Level of Safety	1	2
9.	**Pavement Design**: Introduction	2	1
10.	Types of Pavements	2	1
11.	Wheel Load, Equivalent Single Axel Load	2	2
12.	Repetition & impact factor	2	2
13.	Design of Flexible Pavement	2	3
14.	Design of Rigid Pavement	2	3
15.	Maintenance of pavement	2	1
16.	**Asphalt Mix Design**: Introduction	1	1
17.	Importance of Asphalt mix design	1	1
18.	Conventional and Performance based techniques	1	2
19.	Design of Asphalt with Marshal Mix design method.	1	2
	Total Lecture Hrs		**32**

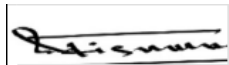Signature of Teacher: Dated: 31-08-2024

Remarks of DMRC: **APPROVED**

Signature of Chairman: Dated: 18-09-2024