



Civil Engineering

Vision: “To impart quality technical education beneficial to industry and the society in the field of Civil Engineering.”

Mission: •To arrange academic and technical expertise.

- To improve the practical knowledge of the student as per current scenario of industry.
- To make the students socially and ethically responsible.

Assignment No :- 01

Topic Name :- Fundamentals Of Traffic Engineering

1. Define traffic engineering.
2. Explain the road characteristics to be considered in traffic engineering.
3. List the objectives of traffic engineering.
4. List out the factors affecting reaction time of driver.
5. Explain PIEV theory.
6. Define-Gradient, Curve of road, Design speed.

Date of Submission :-Within the one week after completion of the chapter.

Assign By: - Mrs. PranjaliChafale



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Assignment No :- 02

Topic Name :- Traffic Studies

1. Define traffic studies.
2. State the types of traffic studies and explain in detail.
3. What is the purpose of traffic studies?
4. Explain the method of collection of traffic volume data.
5. Define origin and destination studies.
6. What is the necessity of origin and destination studies?
7. State the need for parking studies and explain methods of parking studies.

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Assignment No :- 03

Topic Name :- Road Signs & Traffic Markings

- State common devices used to control & regulate traffic with at least one use it.
- State different types of traffic control devices with sketch.
- Draw four regulatory signs.
- How road signs are classified as per IRC?.
- What are road marking? State its type.
- What are the points to be considered while designing the road signs?
- Draw four warning signs.

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Assignment No :- 04

Topic Name :- Traffic Signals & Traffic Islands

- State advantages and disadvantages of traffic signals.
- Explain the fixed time signal and manually operated signals.
- Explain the various types of traffic islands along with sketch.
- Draw the sketches of rotary interchange and diamond type of grade interchange.
- State the purpose of segregation of traffic.

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Assignment No :- 05

Topic Name :- Road Environment and Arboriculture

- Discuss the factors affecting lighting scheme for roads.
- Discuss the purpose of planning trees and shrubs .
- State the factors affecting visibility at night.
- What are the factors on which types of trees are selected?

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Assignment No :- 06

Topic Name :- Road Accident Studies

- Describe the various objectives of road accident studies.
- Suggest various measures to prevent road accidents.
- Explain with a neat sketch the condition diagram and symbols commonly used along with typical condition diagram.
- Explain the legislation and law enforcement, education in road accident studies.

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