

PROJECT RAKSHAK - Cohort 2

Mentor Assessment Assignment

Objective

This assessment is intended to evaluate analytical judgement, observational quality, risk prioritisation, and practical understanding of road safety conditions in the Indian context.

Applicants are expected to demonstrate structured thinking, sensitivity to vulnerable road users, and the ability to translate observations into realistic and implementation-oriented recommendations.

Note: The exercise is based on limited visual evidence from a publicly available video and is not intended to replicate a full field-based road safety audit or engineering assessment. Applicants are encouraged to clearly distinguish direct observations from assumptions or inferences wherever relevant.

Assignment

Please review the video linked below and conduct a structured road safety assessment of the stretch and surrounding context visible in the footage.

Assigned Video:

https://drive.google.com/file/d/1RP_IzuOHR5599CESHkCv4eocv4lgM2u/view?usp=drivesdk

Applicants are advised to watch the video at least twice before beginning the assessment. Specific segments may be revisited where required.

Required Deliverables:

Component	Expected Submission
1. Stretch / Site Context Definition	Define the stretch or site context visible in the video, including approximate limits, road typology, surrounding land use, movement patterns, and any observable contextual conditions such as time of day, traffic environment, or roadside activity.
2. Observation Record	Document key safety concerns observed across categories such as pedestrians, motorcyclists, NMT users, junction conditions, roadside environment, speed environment, visibility, signage, markings, and traffic operations. Clearly identify what the issue is, where it occurs, who is affected, and indicative severity (High/Medium/Low).

Crashfree India

Reg. Vision Zero Trust (1st Floor, Plot G-2/ Block B-1, Mohan Industrial Estate, New Delhi, Delhi - 110044)

3. Vulnerable Road User (VRU) Analysis	Assess the environment from the perspective of pedestrians, cyclists, children, elderly users, persons with disabilities, and two-wheeler riders. Identify visible coping behaviours and note contextual risks that may emerge under low-light, peak-hour, or monsoon conditions.
4. Risk Analysis	Identify and prioritise the most critical risks visible in the stretch. Explain likely contributing factors such as design deficiencies, operational conflicts, maintenance gaps, behavioural adaptation, or systemic issues. Where relevant, indicate probable crash types or conflict scenarios.
5. Remedial Action Plan	Provide a minimum of five recommendations in a structured format covering: recommendation, priority, responsible agency, indicative implementation timeline (0–6 months / 6–18 months / long-term), relative cost level, and expected safety outcome. Include both short-term corrective measures and longer-term systemic interventions.

Evaluation Criteria

Criterion	What We Will Assess
Observation Quality	Accuracy, specificity, and ability to identify meaningful safety risks from available visual evidence.
Risk Prioritisation	Ability to distinguish between critical and secondary risks with coherent reasoning.
VRU Sensitivity	Understanding of differential vulnerability and user experience within the transport environment.
Practicality of Recommendations	Feasibility, implementation relevance, and institutional realism of proposed measures.

Crashfree India

Reg. Vision Zero Trust (1st Floor, Plot G-2/ Block B-1, Mohan Industrial Estate, New Delhi, Delhi - 110044)

Systems Thinking	Ability to connect physical deficiencies with broader operational, governance, behavioural, or design issues.
Use of Standards	Appropriate and contextual application of relevant road safety frameworks and guidelines.
Clarity & Communication	Structured presentation, professional writing, and analytical clarity.

Reference Framework

- Primary Reference: **IRC:SP:88 — Road Safety Audit Guidelines**
- Supplementary references (optional but encouraged): IRC:SP:41, IRC:103, UTTIPEC Street Design Guidelines, iRAP methodology, and Vision Zero principles.

Submission Details

Submission Format: PDF or Word Document

File Naming Convention: LastName_FirstName_RakshakMentor.pdf