# Road Assessment and Hazards (RAAH)

## Group Members

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## Abstract:

Road and infrastructure issues such as potholes, broken signals, garbage, and blocked drains are persistent problems that compromise road safety and urban quality of life. Citizens often lack an efficient platform to report such hazards, while authorities struggle to track and prioritize them. *Road Assessment and Hazards (RAAH)* is a digital solution that enables users to report and track issues in real time. By connecting citizens with authorities, RAAH aims to ensure quicker resolution, safer roads, and cleaner cities.

## Research:

Several road-reporting and safety apps exist but face critical shortcomings:

- **Road Surveyor** – Limited to video capture, lacks saving features, poor CRUD implementation, and inconsistent design.
- **Road Survey** – Anonymous reporting without authentication, no response system from authorities, and weak UI.
- **SOR (Safety of Road)** – No signup option, poor error handling, non-interactive design, and low adoption.
- **SeeClickFix (USA)** – Effective for issue reporting and authority communication, but not localized for Pakistan.

## Our Solution:

*Road Assessment and Hazards (RAAH)* addresses these gaps by providing a comprehensive, user-friendly, and localized platform.

### Key Features:
1. Report potholes, broken signals, garbage, street light failures, damaged signs, and blocked drains.
2. Track complaint status in real time.
3. Admin & User authentication, dashboards, and settings.
4. Multi-language support for accessibility.
5. Light/dark themes for better usability.