Intercity Road Complaint Reporter (IRCR)

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Abstract: *The Application for Intercity Road Complaint Reporter Android is an innovative mobile solution designed to monitor and report the condition of road infrastructure in real time. Leveraging Android technology, this application allows users to easily report road hazards, defects, and other maintenance issues, providing a platform for active participation in Intercity Roadmanagement. With features such as GPS tracking, real-time data submission, and multimedia support, users can upload photos, and descriptive reports to help authorities address road issues quickly. The app also offers offline functionality using SQLite for local data storage, ensuring usability in areas with limited connectivity. By streamlining communication between the public, road maintenance agencies, and urban planners, the Intercity Road Complaint Reporter app enhances road safety, improves infrastructure management, and contributes to more efficient allocation of maintenance resources. The Intercity Road Complaint Reporter Android Application has the potential to improve environmental sustainability by enabling authorities to prioritize eco-friendly road maintenance solutions. By tracking the condition of road surfaces in real time, authorities can ensure that repairs are done using sustainable materials or methods, reducing the environmental impact of roadworks. The application also includes user feedback loops systems to keep contributors informed about the status of their reports from acknowledgment to resolution. This transparency builds trust and encourages continued user engagement.*

Keywords: Road Monitoring, Road Complaint Reporter, Android Application, Real-time Reporting, GPS Tracking

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