

ENVIROSENSE- Smart Pollution Detector

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Abstract: *EnviroSense is an Android-based mobile application developed to enhance environmental awareness by providing real-time and location-specific information on urban pollution levels. The system focuses on key environmental indicators such as air quality and noise pollution, utilizing data obtained from reliable external sources. The application enables users to search pollution data for different locations, analyze variations over time, and understand pollution severity through standardized indices and visual representations.*

EnviroSense is designed with an emphasis on usability, data accuracy, and accessibility, ensuring that complex environmental information is easily interpretable by general users. The scalable architecture of the application supports secure user interaction and allows for future enhancements. The proposed system demonstrates the potential of mobile platforms to effectively communicate environmental data and promote informed decision-making, contributing to increased public awareness and environmental responsibility.

Keywords: Air Quality Index, Noise Pollution, Environmental Awareness, Mobile Application, Android

