Sethu Institute of Technology

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Paper Title

SENTRY CONNECT (Smart Early Notification and Tracking Response System): An AI-Powered Early Warning and Alert System for Terror Prevention in Conflict-Prone Zones (With Reference to the Pahalgam Attack)

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Abstract

The recent terror attack in Pahalgam, Jammu & Kashmir, has brought to light the severe gaps in early detection and response to acts of terrorism. Delays in identifying threats often lead to irreversible loss of life and infrastructure. To address this, we propose SENTRY CONNECT, an AI-powered, real-time alert and response system specifically designed to detect and prevent terror attacks before they occur.

The system integrates machine learning, smart IoT surveillance, and a secure mobile alert app. AI models predict threats based on historical and real-time data, while IoT devices and cameras detect anomalies such as weapon activity, abandoned objects, or suspicious movement. Civilians can report incidents via the app, which instantly notifies nearby police and army personnel. A centralized dashboard supports real-time threat tracking and decision-making by authorities.

This solution not only bridges the communication gap between civilians, police, and military but also empowers all parties with faster, data-driven decision-making. By focusing on early detection, the system provides a preventive framework to avoid tragedies like the Pahalgam attack and can be extended to other conflict-prone areas.

Keywords

Terrorism, AI Surveillance, Early Threat Detection, IoT Security, Pahalgam Attack, Smart Policing, Public Safety