Project Idea: "nomoredeaths" – Real-Time Emergency Alert System

■ Overview: The "nomoredeaths" system is a life-saving, real-time mobile and dispatch platform designed to drastically reduce emergency response times by ensuring drivers clear the way for approaching ambulances, fire trucks, and police vehicles.

■ The Problem: Traffic congestion delays emergency vehicles, costing precious lives. Sirens alone are often ineffective due to noise and distracted driving.

■ The Solution: The system leverages geospatial intelligence and smart mobile alerts to notify only active drivers who are in the direct path of an emergency vehicle. ■ People sitting at home, in offices, or walking won't be disturbed.

■ How It Works: - Geofencing → Define a 1 km danger radius around the emergency vehicle. - Driver Filter → Only alert users moving above a minimum speed (e.g., 5 km/h). - Directional Guidance → Drivers see exactly where the emergency vehicle is coming from.

■ Driver Experience: - Auditory Takeover: Critical alert sound that bypasses silent/DND mode. - Visual Takeover: Red screen overlay with: "EMERGENCY VEHICLE APPROACHING – CLEAR LANE." - Dynamic Arrow: A real-time arrow pointing to the vehicle's direction.

■■ Technology: - Emergency vehicles transmit GPS + status in real time. - Backend: Google Cloud Functions + Firebase Firestore for low-latency processing. - Alerts delivered via Firebase Cloud Messaging at highest priority.

Mission: This system is designed with one mission in mind: #NoMoreDeaths. Every second counts, and technology can help us save lives.