

HACKXTREME'26



MEDIA WAVE TECHNOLOGIES

AI-Powered Multispectral Disaster Detection System

Problem:

During floods, landslides, or forest fires, early detection is difficult because traditional monitoring systems depend on limited sensors or delayed satellite data.

Solution Idea:

Develop a system using multispectral cameras, IoT sensors, and AI models to detect disasters early. The system analyzes environmental data (temperature, humidity, smoke, water level) and sends real-time alerts to authorities and citizens.