



Emergency Response System

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EMERGENCY RESPONSE SYSTEM

Problem Statement:

The world today is impacted by emergencies on an unprecedented scale. The health, economic, political and societal consequences of emergencies can be devastating, both in the acute and long term. They have major impacts on the health and well-being of communities, resilience of health systems, stability of national economies, and progress towards the Sustainable Development Goals.

Managing emergencies can be a problem especially for developing countries with lack of infrastructure. There is an over-reliance on media outlets which sometimes result in false information. There could be some critical information that does not reach immediately and there is no way to filter it out.

The purpose of the Emergency Response System is to provide essential guidance and keep users up to date about any emergency situations. Additionally, this application also organizes and manages the resources and responsibilities of each operational unit in humanitarian emergencies in order to lessen the impact of disasters.

Key Functionalities:

1. Reporting emergencies along with location and image.
 2. View a report of all the incidents in a particular network in graphical form.
 3. Notification to relevant authority for response.
 4. Verification of reported emergencies for preventing hoax reporting which will result in a ban of user accounts.
 5. Alerts/broadcasting messages to all the registered users about a particular emergency with regular updates.
 6. Volunteers including NGO can also register / login and participate in the event of disaster for additional help.
 7. Cross network communication with ability to seek help from other networks in case of resource full.
 8. One scene manager cannot work on two incident sites.
 9. Contingency funds management.
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Eco-system architecture diagram:

