Pre-Earthquake Early Warning System

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Abstract

Natural disasters and accidents are one bad truth of human civilization. One may not have a total control over it but one can reduce the vast effect of this catastrophe if one is well informed. So, we thought of making an App which will be helpful in this worst situation to minimize the aftermath.

The android App will be helpful majorly in the time of Earthquake and can be used as a medium to inform. Also, it will provide the information regarding other Natural disastrous events like cyclone, tsunami, flood, forest fire, etc. In case of natural calamity, we will be using the statistical analysis and will be able to locate the epicenter, responsible for the cause. Upon receiving the alerts about the natural calamity on the remote server, the server will compute whether to inform rest of the App users or not depending upon the result of the analysis performed by our algorithm. If the algorithm result comes out to be true, other App users of that area / location will be informed in no time and thousands of lives can be saved from all these
Catastrophe and hence the name "Devastation Assist".

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Index Terms

    Computer Science
    Information Systems

Keywords

Disasters, Earthquake, Safety, Panic Alert, Weather, Precautions, Seismograph.