**Team Codemons**

**Team Members**:

Abhinav A S

Akash Kumar S

Hariharan L

Theme we will cover:  ***Natural Calamity***

**Basic Idea**: *To maximize the efficiency in distribution of relief materials and help during relief phase after a natural calamity.*

In 2015, when Chennai faced the worst floods in its history, the whole country came forward to help Chennai and bring it back to normal state. Not only Chennai Floods but also other natural disasters like Kerala Floods, Himalayan Flash Floods, Tsunami of 2004, etc., are other examples where India stood together for the relief.

As residents of Chennai, we felt the main problem was the relief material which came from all over the country was not distributed evenly. Some places had excess of it while some places didn't even get basic materials.

**Features**

• **Relief Material Request**: This feature helps a person from a particular locality request for the relief materials. He can mention what the area needs and how much in quantity do they need. They can also ask for any help in relief works (The request and the location of the request will be transferred to National Disaster Relief Force and State Disaster Relief Force). The Authenticity of the Request can be verified using the Geo-Tagging service API.

• **Sharing of Relief Material Post Disaster**: Not all times do the relief materials reach on time. This feature enables people in the particular locality to share whatever relief materials they have with their neighbours immediately after the disaster which speeds up the process of relief.

• **Donate Option**: There'll be a donate option and donations can be made as ‘Cash’ or as ‘Relief Materials’. How it works? If a person wants to donate money, he can do it and the cash will be transferred to the NGO accounts or if a person wants to donate some relief materials, he can place an order online (Delivery Address shall be the address of the NGOs) and share the Reference Code in the website and we will notify the NGO about the order. The person will get a valid acknowledgement for the same and he can also track where his relief materials are sent too!

**Enhancements**:

• We understand that in remote areas it usually takes a lot of time for the network to restore. So, No Internet? Don’t Worry, just a text message can help you out! How it works? A *Machine Learning Algorithm* along with the help of *Natural Language Processing* can read the text message and analyse it. The keywords like the name of the relief material and the location can be extracted from the text message and the relief process can happen accordingly in coordination with the processes mentioned above.