Presentation

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This is the software port of our GeoQuake Mobile App

The Main aim of our opp is to alert the people the moment earthquake occurs so that they can make take necessary precontions like they are moved to different places (or) they should that make necessary arrangements to (incurr) decrease the Lass.

The Features we are providing in our App.

- -> Everly notification about earth quak
- As explained before the notification 11 sent to their Mobile phones. 50 that they can prepare for that.
 - Sofety measures that can token when an earthquate occurs.
 - Additionally, we are providing teme saffy
 Measures, that they should taken when earth

 quake occurs
 - Shore a additional feedback.

 The also want to get the feed back about our app from the users. So that it helps in later improvements of the app.

- -> We have collected the information vabout the sesimic waves.
- As we have gone through different research papers and different resources we have studied about the seismic waves
- TANFORD EARTHQUAKE DETECTION Dataset and also Real Earth quake dataset & of 2018.
 - He wont the to train our model by using STEAD dataset and test with the real Earthquake obtaset.
 - -> And And also analysed data in csv and holfs files present in dataset.
- He have beaut some algorithms and different deeplearning techniques like CNN one, PNN BLISTM etc... which we are planning to use in the implementation
 - And we have plotted a waveforms usy implementing python code by using python modules the to get the more information about waves.

And This is our Plan of Action.

For the model creation.

- At first we have to entract data from seisimic waves.
- -> And there by analyzing the data.
- And have to prepare training test and. Validation datasets
- Bi-LSTM in encoder port.
- -> And Attention mechanism should be implemented.
- And then earthquake signal detection, phase picking of s waves, and phase picking of p waves. These 3 points should be completed in Jecorden point.
 - -> At last we are going to find the magnitude

 By that is how strong the earthquakes is

 and epicentrie of the earthquaker

 also see finding the

And These are the steps for bur plan of action.

On Coming to the App Development

- -) 10. We ose developing "
- We are going to develop a app that gives early notification to the users about the earthquate.
- structure of the app and templete one bo te designed
- We want to include features like feed back and Safty measures.
- At last we are going to deploy the model and there by testing the app. Slide-22

- Our Implementation plan is

The at present evalution.

- a De Araly
- -> Collecting and analysis of abolaset is
- Have entracted waveforms in 3 direction
- -) And our model proposal.

And in Coming evolution.

We are planning to complete the implementation of chin and Bi-157m model

- And attention mechanism both in encoder and decoder part is going to be implemented
- And last thing is finding the magnitude.

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 And in our 3rd evalution.
 - -> structure of opp have to be done.
 - -) Early was notification for earthquake and.

 epicentre location finding are going to
 be completed in 3rd evalution.

In 4th evalution

-> He won't to implement feature like.

. sofety measure, showing additional feed look.

-> At last we are going to Test Our App.

<u>slide-24</u>

And therse one the references for our model.

Slike-25 Thank you