SMART INDIA HACKATHON-2019

ORGANIZATION : Min. of Road Transport

PROBLEM STATEMENT : Stoppage of Work due to rain/snow/floods/landslide

TEAM LEADER NAME : Karthikeyan

PROBLEM CODE : **MO1**

COLLEGE CODE : 7130

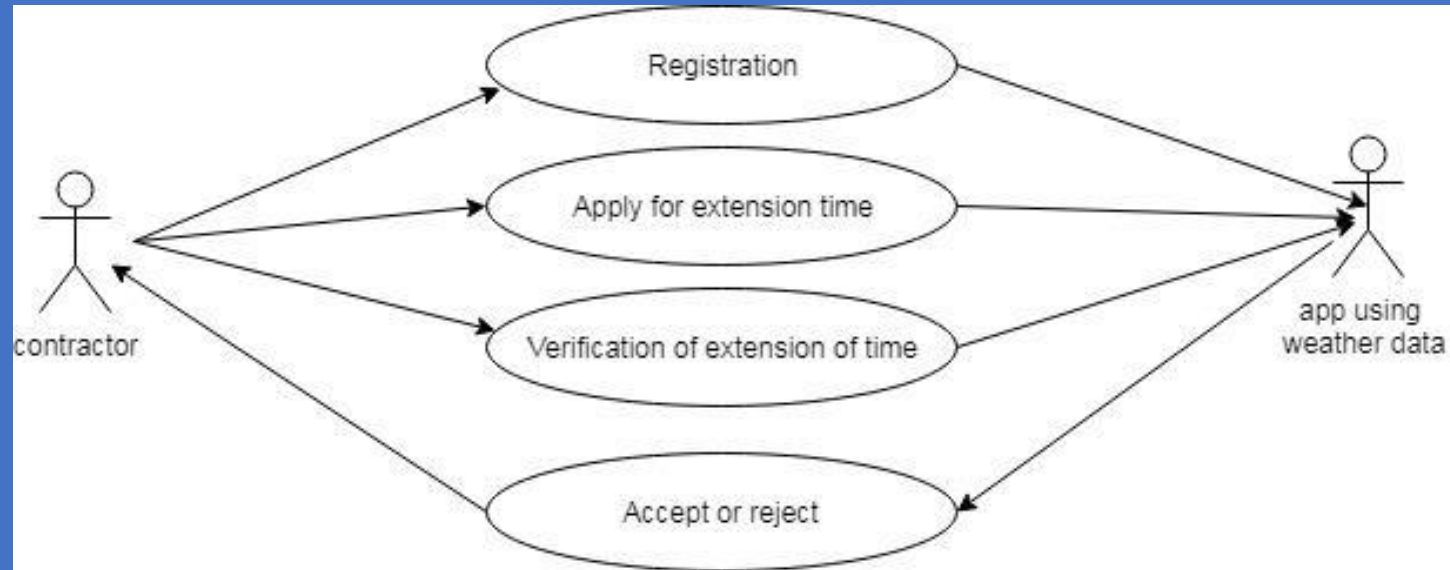## Idea/Solution/Prototype:

▪The user can create a account by registering or can simply login if he/she is already a existing user.

▪After login the screen shows two options will be shown:1)new project,2)existing project.

▪If you select new project then the user should enter the current date , current location, time required to finish the project. In given column.

▪If you select existing project then the screen again shows two options in the screen:1)current status , 2) stopped working days, 3) required help.

▪If you select current status the it will show the current status of the project

▪If you select stopped working days then it will show the no of days the work has bee stopped

▪If you select required help then the screen again shows two option:1) insufficient funds,2)extension of time

▪If you select insufficient funds then it shows a pop up message for reason

▪If you select extension of time then it shows a pop up message for reason and current date, then the user should enter the reason I and current date.

▪If reason like stoppage is due to natural calamities then accept the contractor's claim and increase the number of days .else reject the contractor's claim.

TECHNOLOGY:

- **Cloud processing** :As we are creating a portal for storing data that are used for future references. It is necessary to have a storage medium which can be able to cope up with large sum of data. One such storage could be cloud storage. An advantage of cloud is that the data can be stored and retrieved from anywhere and enhance reliability of data.

- GOOGLE WEATHER API: It is used to check whether that particular date has any natural calamities occurred like rain ,snow ,flood, earth quake.

- ANDROID STUDIO: it is used to create the app for the contractor's purpose

Use case diagram:

DEPENDENCIES:

Since it is an Android app it requires a steady internet connection and an Android or Smart Mobile

SHOWSTOPPER:

- Space to store large amount of data from the users.
- Strong active internet signals will not be available in hilly region