

Probabilistic flood Mapping using flood Images

Abstract

Probabilistic flood mapping system is an image classification project. It helps to identify the flood affected areas using available satellite and flood zone images. These images will be used to train the system and compares these images and finds the probability score of the flood affected areas. These information is further used by government or insurance agencies for various researches or insurance related activities. This system could also be used by common people for reporting flood related queries to government agencies..

Modules

- 1 Admin Management : Used to create probability score of the flood affected areas
- 2 User Management: used to find the flood affected areas
- 3 Citizens : In this module any one can post queries .Public can post queries using information like flood affected location, houses name ,status, flood images.

Advantage

It is helpful for government and other agencies for future reference in case of flood .

Front-End : Python , Django

Back-end : Sqlite