

(54) Title of the invention : A LOCATION AIDED FLOODING MECHANISM IN COMMUNITY BASED IOT NETWORKS

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(57) Abstract :

Nowadays natural calamities like flooding turn up drastically, and it severely affects standard of living. In this project the development of flood monitoring system using IOT to keep track of the conditions nearby the reservoir with the help of Arduino, the prototyping platform and the compactible sensors such as level, temperature, humidity and flow distinctly presented. Firstly the hardware unit is placed in the flood prone areas, the Wi-Fi module (ESP8266) act as the transmitting unit and the sensors associated with the system measures the corresponding parameters. Then the accurately measured parameters are displayed through the LCD display and passed to the IOT web application. Here the tcp telnet application is used to monitor the data cation then alerts the authority using buzzer and RED Led and people while flood occurs

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