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IoT Based Flood Alert and Avoidance System

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Abstract: *Floods are the most destructive and dangerous natural calamity in this world. On the event of flood, it can demolish the community and can affect many lives in different ways. It is very necessary to design a flood control device as a mechanism to reduce the flood. The application of this proposed structure is to remotely monitor and alert public user about the current flood conditions by continuously measuring the water level, rain fall reading and current temperature and humidity values. To accomplish this task various technologies are used such as messaging, live data feed via remote online platform named as Thing speak, video streaming & audio alerting etc. as we know messaging is most easy and convenient way to deliver messages using this advantage in appropriate possible way. This was fulfilled by using GSM Module making it more reliable & cost-effective system For alerting rural area user an audio buzzer was used. Using such technologies gave us efficient results for monitoring and alerting purposes making our aim satisfactory. As this proposed system mainly deals with safety of the society & its people so they can take necessary precautions before disaster occurs*

Keywords: Floods, GSM Module, buzzer, disaster

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