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(57) Abstract :  
Artificial Intelligence and IoT based Automatic rainfall detection and alert system at early stages using rainfall threshold, WSN, Cloud and Machine learning algorithms  
**ABSTRACT** An Internet of Things device is a sensor-equipped piece of hardware that can transfer data from one thing to another or to people over the internet (IoT device for short). The Internet of Things (IoT) category comprises wireless sensors, software, actuators, and hardware components. By unifying everything into a single, consistent architecture, the Internet of Things aims to provide us with control over our immediate surroundings and keep us abreast of any changes. Using an AtTiny85 microcontroller and a rain sensor, the objective of this inquiry is to develop a rain-activated alarm system. Even though the notion is straightforward, its success will have far-reaching effects. Numerous farming, agriculture, and irrigation-related projects, such as weather stations, can profit from it. This project can be combined with a home automation system to automatically close the windows if it starts to rain. This method can also help windshield wipers on automobiles, especially those used on luxury vehicles such as Teslas.

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