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| **Abstract:** |  |
| As most of the areas in Bangladesh have adopted an underground drainage system, it is very important that this system work in a proper manner to keep the country clean, safe, and healthy. Failure to maintain regular monitoring of the drainage system results in the contamination of rainwater with drainage water, which spreads infectious diseases. This paper presents the implementation and design of a microcontroller-based drainage system for monitoring and maintaining the continuous movement of rainwater inside an underground drainage system remotely from a workstation. Using the Internet of Things (IoT), various parameters like water level, block detection, rainfall rate, etc. are monitored and stored on the cloud for analysis. The system also provides a forecast using Fisher's Rules. This enables the person in charge to take the necessary actions regarding the issue and send warning signals to the public. | |