

Smart Drainage Monitoring System

G. Mounica¹, V. Hema Sri², J. Sushanth³, D. Sathwika⁴

Internal Guide and Assistant Professor, Department of Electronics And Computer Engineering (ECM)¹
Students, Department of Electronics and Computer Engineering^{2,3,4}
Sreenidhi Institute of Science and Technology, Hyderabad, India

Abstract: *Currently, the concept of a smart city is implemented through elements such as smart farming, smart emergency services, and smart traffic analysis, among others. A smart city should also have an automated system for smart drainage since the drainage system is one of society's necessities. The sewage system in India is one of the biggest problems. Poor upkeep causes sewage water to periodically mix with drinking water and overflow onto the streets, endangering the health of nearby residents. We suggest the Smart Drainage Monitoring System model to solve this issue. The subsurface drainage system's water level, water flow rate, and gas level will all be monitored by this planned system. The measured values will be evaluated, saved in the cloud, and used to update an app that tracks the health of the drainage system. A notification addressing the problem will be delivered to our mobile when the conditions turn critical (reach threshold values). The goal is to develop a solution utilising cutting-edge IOT technologies to obtain a thorough examination of the data gathered by various IOT sensor*

Keywords: NODE MCU, ARDUINO IDE, ULTRASONIC SENSOR, STEAM SENSOR

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