

## SEWAGE BLOCK IDENTIFICATION AND RESCUE SYSTEM USING WIRELESS SENSOR NETWORKS

*S. Boopathy<sup>1</sup>, T. Thenmozhi<sup>2</sup> & P. Monisha<sup>3</sup>*

*<sup>1</sup>Assistant Professor, Department of ECE, Kathir College of Engineering, Tamil Nadu, India*

*<sup>2</sup>Assistant Professor, Department of ECE, PARK College of Technology, Tamil Nadu, India*

*<sup>3</sup>Assistant Professor, Department of ECE, Kalaignar Karunanidhi Institute of Technology, Tamil Nadu, India*

### **ABSTRACT**

*Drainage is the system or process through which water sewage or other liquids are removed from a location however manually monitoring all areas that a human cannot reach is extremely tough this effects the blocking of underground pipelines and water overflows cause the health issue to address all of these challenges we designed a system based on wireless sensor network WSN sensors these sensing devices are known as nodes the proposed system is low-cost low-maintenance long-lasting and web-based real-time system that alerts municipal officers via text message when any manhole reaches the threshold value this system has a direct impact on the health of citizens and workers who clean the subterranean drainage It also prevents the transmission of infection caused by mosquitoes, provides a clean and hygienic atmosphere, and controls diseases such as malaria, dengue fever, and diarrhea. The technology lowers the number of accidents caused by uncovered manholes.*

**KEYWORDS:** WSN, Web-Based Real-Time System

---

### **Article History**

**Received: 28 Sep 2022 | Revised: 26 Sep 2022 | Accepted: 11 Oct 2022**

---