IOT Based Manhole Detection and Monitoring System

Dr. S. Umamaheswari[1], Budati Satwik Reddy[2], Gopala Nithin[3], Atti Manoj Kumar[4]

Department of ECE[1,2,3,4]

SRM Institute of Science and Technology Chennai, India

Abstract: *Smart underground infrastructure is an important feature to be considered while implementing a smart city. Manhole system monitoring is vital to keeping the city clean and healthy. The IOT-based manhole detection and monitoring system is an innovative solution that aims to enhance public safety by monitoring the condition of manholes in real time. The proposed system consists of sensors inside the manholes and can detect various parameters. The sensor data is transmitted through IOT technology to a digital device. Hence, the system has the potential to reduce the risk of accidents and improve the efficiency of maintenance tasks by providing valuable insights into the condition of the manholes*