



VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY
Permanently Affiliated to JNTU Kakinada, Approved by AICTE
Accredited by NISM, with 'A' Grade, ISO 9001:2008 Certified
Name: Vasireddy Venkatadri Institute of Technology
Department of CSE - Artificial Intelligence & Machine Learning

Name: M.Hemakesh Reddy	Guide Name: Mr. B. Pardha Saradhi
Roll no: 22BQ1A4298	
Section: CSM - B	
Problem Statement: Drainage systems	
No of Clients: 10	

Abstract:

The Drainage System Monitoring and Reporting Application is a user-friendly platform developed to help citizens and authorities identify, report, and manage drainage-related issues such as blockages, overflows, or open drains. Users can easily select or describe the problem and share location tagged reports with supporting images, which are directed to relevant municipal departments. The app empowers communities by promoting proactive civic engagement and streamlining issue resolution. Designed with accessibility in mind, it works seamlessly on both mobile and desktop devices and supports use in low-resource environments.

Technology to be used:

Flutter: To develop a responsive, cross-platform mobile and web application.

Dart: For implementing app logic and managing UI interactions.

REST APIs: For handling user data, issue reporting, and communication with backend servers.

6/5/24
Signature of Guide
Mr. B. Pardha Saradhi

Signature of HOD
Dr. K. Suresh Babu

