

ABSTRACT

This project proposes a comprehensive Flood Management System aimed at minimizing the impact of floods in Kerala's districts, with a particular focus on improving the frequency and intensity of flood responses through modern technology and efficient rescue operations. The primary objective of this system is to provide rapid rescue services and ensure the safety and security of flood victims. The system leverages technology to track and pinpoint areas most affected by floods in various Panchayats and Taluks within the district, allowing rescue teams to accurately locate and assist individuals in distress. A key feature of this system is its ability to manage critical lifeline support systems such as communication, power, and water supply during a flood. By integrating these services, the app ensures continuous support during and after a flood event. Additionally, it addresses issues related to the management of displaced individuals, facilitating the tracking of victims even if they are separated during the chaos, and enabling the identification of individuals in different rehabilitation centers. This integrated approach provides an effective solution to the challenges posed by floods, ensuring timely rescue, rehabilitation, and recovery for all affected communities.