

FLOOD PREDICTION SYSTEM

Purpose

AI-powered Flood Prediction System that integrates weather station data, flow rate sensors, and water level sensors. By combining real-time meteorological and hydrological measurements, the system uses AI analytics to deliver early, accurate flood warnings, providing 1-12 hours of lead time for communities and authorities to act, protecting lives, property, and critical infrastructure.

How It Works



Data Collection

Sensor readings from weather stations located both upstream and downstream are collected and fed into the AI Flood Prediction System.



AI Analysis

The AI analyzes the data in real-time to determine whether a flood is likely to occur.



Flood Prediction

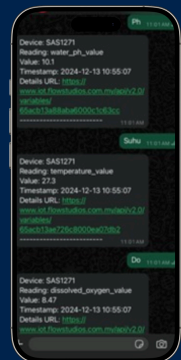
If the system predicts a potential flood, alerts are automatically sent to NADMA and other relevant authorities.



Public Warning

Warning notifications and SMS alerts are sent directly to the public, advising them to take immediate action and evacuate if necessary.

AI Chatbot



Our Benefits



Early Warning Capability



Real-time Monitoring



High Accuracy



Data Driven Decision Making