

Project Initialization and Planning Phase

Date	26 September 2024
Team ID	LTVIP2024TMID24876
Project Name	Rising Waters: A Machine Learning Approach to Flood Prediction
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Machine Learning enhances flood prediction by analyzing historical weather data, river levels, and terrain info, aiming for accurate forecasts and early warnings. Key scenarios include:

1. Early Warning Systems: Predicts flood risks, allowing timely alerts and preventive measures.
2. Disaster Response Planning: Assists in efficient resource allocation and coordination during emergencies.
3. Infrastructure Resilience: Guides city planners in designing flood-resistant infrastructure to minimize damage.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a resident in a flood prone area	Predict and prepare for potential floods	I lack accurate and timely flood prediction data	Unpredictable weather patterns due to climate change	Anxious about potential floods