Ideation Phase
Define the Problem Statements

Date	31 January 2025
Team ID	LTVIP2026TMIDS77028
Project Name	Rising Waters – A Machine Learning Approach to Flood Prediction
Maximum Marks	2 Marks

Customer Problem Statement:

Problem Statement (PS)	**I am (Customer)**	**I'm trying to**	**But**	**Because**	**Which makes me feel**
PS-1	A disaster management officer in a flood-prone district	Predict potential flood events early to allocate rescue teams and resources effectively	I do not have an automated and accurate prediction system	Traditional flood monitoring methods rely on delayed manual reports and incomplete data	Concerned and pressured during emergency situations
PS-2	A resident living in a flood-affected region	Know in advance whether heavy rainfall may cause flooding so I can take preventive actions	I do not have access to a simple and reliable flood prediction tool	Most forecasting systems are complex, technical, or not easily accessible to common people	Anxious and vulnerable during heavy rainfall seasons