Model Development Phase

Date	28 September 2024
Team ID	LTVIP2024TMID24876
Project Title	Rising Waters: A Machine Learning Approach to Flood Prediction
Maximum Marks	5 Marks

Feature Selection Report :

The Feature Selection Report for flood prediction identifies the most relevant variables, such as rainfall intensity and river levels, to improve the accuracy of predictive models.

Feature	Description	Selected (Yes/No)	Reasoning
Rainfall	Amount of rainfall over a period	Yes	Directly influences flood risk
River Levels	Water level in major rivers	Yes	Critical for assessing potential flooding
Soil Moisture	Current moisture level in soil	Yes	Indicates how much more water can be absorbed
Temperature	Current temperature	No	Indirectly related to flood risk