Model Development Phase Template

Date	21 June 2024
Team ID	739954
Project Title	Ceralal analysis based on ratings by using meachine learning techniques
Maximum Marks	4 Marks

Initial Model Training Code, Model Validation and Evaluation Report

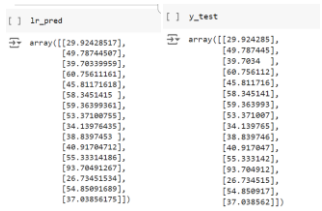
The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:

Paste the screenshot of the model training code

Model Validation and Evaluation Report:

Model	Classification Report	Accuracy	Confusion Matrix

Linear Regression model	**LINEAR REGRESSION MODEL**
	`from sklearn.linear_model import LinearRegression`
	`lr = LinearRegression()`
	`lr.fit(x_train,y_train)`
	`LinearRegression()`
		60.7561	

R2_score Model	**R2_SCORE MODEL**
	`from sklearn.metrics import r2_score`
	`r2_score(y_test,lr_pred)`
	`0.9999999999999992`
		68.4029