Model Development Phase Template

Date	July 2024
Team ID	Team-739774
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()
	`lr_pred` / `y_test`
		60.7561	

R2_score Model	**R2_SCORE MODEL**
	`from sklearn.metrics import r2_score`
	`r2_score(y_test,lr_pred)`
	`0.9999999999999992`
		68.4029	`y_p = lr.predict([[0,0,0,0,1,0,0,0,70,4,1,130,10,5,6,280,15,3,1,0.33]])`
			`y_p`
			`array([[68.40297324]])`