



Model Development Phase Template

Date	16 July 2024	
Team ID	SWTID1720171884	
Project Title	Predicting Compressive Strength Of Concrete Using Machine Learning	
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:

```
gbr=GradientBoostingRegressor()

[]:
gbr.fit(x_train,y_train)

[]:
y_pred=gbr.predict(x_test)

[]:
y_pred
```

Model Validation and Evaluation Report:





Model	Report	Accuracy	Model Predicted Matrix
GradientBoosting Regressor	score:ghr,score(x_test,y_test) score [73]: 0.8867788660493143	88.6	[21,8297832 13,1842572 24,64318662 11,86651413 33,01830683 64,9538287 13,4675752 48,7782864 41,6272741 32,6890685 59,3523874 14,6424641 13,462461 13,4624641 13,462461 13,4624641 13,46246 13,46246 13,46246 13,46246 13,46246 13,46246 13,46246 13,46246 13,46246 13,46246 1