

## Model Development Phase Template

Date	20 June 2024
Team ID	739813
Project Title	Optimizing Sleep Efficiency: Harnessing Machine Learning For Enhanced Restorative Rest
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	Regression Report	R2_score	Confusion Matrix
LinearRegression		0.7908813330628066	Regression is not allowed confusion matrix
DecisionTreeRegressor		0.7052744252299563	Regression is not allowed Screenshot of the confusion matrix

Randomforest Regressor		0.844687068586676 5	Regression is not allowed Screenshot of the confusion matrix
---------------------------	---	------------------------	--