Model Development Phase Template

Date	June 20,2024
Team ID	team-739701
Project Title	Hospital Readmission Prediction Using Machine Learning
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Gender	Patient's gender	Yes	Relevant for assessing diversity and potential bias in hospital readmission.
Age	Patient's Age	Yes	Patient's age at the time of admission.
Race	Patient's Race	No	Indicates patient's race or ethnicity.

Feature	Description	Selected (Yes/No)	Reasoning
time_in_hospital	Amount of time	Yes	The amount of time the patient is in hospital for treatment.
diag_1	Primary diagnoses	Yes	The primary diagnosis code for the current admission.
diag_2	Secondary diagnoses	Yes	List of secondary diagnosis codes.
Number_daignoses	diagnoses	Yes	The total number of diagnosis the patient has undergone.
number_inpatient	inpatients	Yes	The total number of inpatients.

number_outpatient	outpatients	Yes	The total number of outpatients.
number_emergency	Emergency patients	Yes	The total number of emergency patients.