



## Model Development Phase Template

Date	10 July 2024
Team ID	865503
Project Title	Frappe Ac⊖vity:Mobile Phone Ac⊖vity Classifica⊖on
Maximum Marks	6 Marks

## Model Selec⊖on Report

In the forthcoming Model SelecOon Report for sepsis survival predicOon using minimal clinical records, various models will be outlined, detailing their descripOons, hyperparameters, including Accuracy or F1 score. This comprehensive report will provide insights into the chosen models and their effecOveness.

Model	DescripOon	Hyperparameters	Performance
			metric(Accuracy)





Random Forest	Ensemble of decision trees; robust ,handles complex rela Onships, reduces overfitng, and provides feature importance for sepsis survival predic On	-	Accuracy = 60%
Decision Tree	Simple tree structure; interpretable, captures non-linear relaθonships, suitable for iniθal insights into sepsis survival paΣerns.	-	Accuracy = 63%
Bagging Classifier	combines mulOple base models trained on random subsets of the data to improve stability and accuracy. It reduces variance and prevents overfitng by aggregaOng predicOons, typically using methods like majority voOng.	-	Accuracy = 60%