Model Development Phase Template

Date	10 July 2024
Team ID	865503
Project Title	Frappe Activity:Mobile Phone Activity Classification
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
Item	Phone interaction type	Yes	Different items lead to varying usage patterns, such as frequent messaging versus longer video sessions.
Daytime	Time of day.	Yes	Usage patterns shift throughout the day, with productivity apps used more during the day and social apps in the evening.
Weekday	Day of the week.	Yes	Weekdays and weekends have distinct usage trends, with work-related apps used more on weekdays.

IsWeekend	Weekend indicator.	Yes	Behavior changes on weekends, with increased leisure app usage compared to weekdays.
Cost	Associated cost.	Yes	Higher costs can deter frequent use, while low costs encourage more usage.
Weather	Weather conditions.	Yes	Poor weather may increase phone usage, while good weather might reduce it.
Name	Encoded user name.	Yes	Captures user-specific trends, aiding in personalized prediction of phone activity.
Homework	Activity	Yes	Homework engagement influences usage of apps