Data Collection and Preprocessing Phase

Date	JULY 10 2024
Team ID	865503
Project Title	FrappeActivity: Mobile Phone Activity Classification Using Machine Learning.
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

This dataset is crucial for training the machine learning model, encompassing time of day, app usage, day of the week, and other relevant features to characterize and classify diverse user behaviors, with a focus on discerning patterns related to homework activities.

Section	Description
Project Overview	Aims to accurately classify mobile phone activities using machine learning by analyzing various sensor data and user inputs, offering real-time activity recognition.
Data Collection Plan	Data will be collected from mobile phone sensors (accelerometer, gyroscope, GPS), user activity logs, application usage data, and contextual information (e.g., time of day, location).
Raw Data Sources Identified	Accelerometer Data: Measures the acceleration of the device in three dimensions. Gyroscope Data: Measures the rotation rate of the device. GPS Data: Provides location data to determine movement patterns.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Access Permissions
Dataset 1	In this project we have used .csv data. This data is downloaded from kaggle.com.	C:\Users\pavit\AppData\Local\Temp\Mobile_Frappe (4) (1).zip.7\Mobile_Frappe\frappe\frappe.csv	CSV	Public

Dataset 2	Access Google Drive with a Google account (for personal use) or Google Workspace account	C:\\Users\\pavit\\Downloads\\Mobile _Frappe (4)\\Mobile_Frappe\\frappe\\meta.csv ",sep="\t	CSV	Private (with access)