

## Data Collection and Preprocessing Phase

Date	June 2024
Team ID	739871
Project Title	Smart Home Temperature prediction using Machine Learning
Maximum Marks	2 Marks

### Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

#### Data Collection Plan Template

Section	Description
Project Overview	The primary aim is to develop a predictive model for indoor temperature regulation in smart homes using machine learning
Data Collection Plan	Data will be collected from various sensors and sources within smart homes. This includes historical temperature data, real-time sensor readings, weather forecasts, and HVAC system logs.
Raw Data Sources Identified	Gathering data from smart home devices such as temperature sensors, humidity sensors, occupancy sensors, weather APIs, and HVAC systems

## Raw Data Sources Template

Source Name	Description	Location/URL	Format	Access Permissions
Dataset	In this project we have used .csv data.	<a href="#">dataset</a>	CSV	Public