

## Data Collection and Preprocessing Phase

Date	18 June 2024
Team ID	739991
Project Title	Smart Home Temperature
Maximum Marks	2 Marks

### Data Collection Plan & Raw Data Sources Identification Report:

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:

Section	Description
Project Overview	Smart home temperature management are smart thermostats equipped with sensors that monitor not only temperature but also humidity levels and occupancy. These devices serve as the central hub for collecting real-time data and making informed decisions about HVAC (Heating, Ventilation, and Air Conditioning) system operations.
Data Collection Plan	<ul style="list-style-type: none"> <li>● Search for datasets related to temperature, humidity information, related to home.</li> <li>● Prioritize datasets with diverse demographic information.</li> </ul>

### Raw Data Sources Report:

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	The dataset comprises applicant details (CO2, humidity), weather condition at home.	<a href="https://drive.google.com/file/d/1N0T5WP1ZjigxPkQdWfgucLyjKtJSGqda/view?usp=sharing">https://drive.google.com/file/d/1N0T5WP1ZjigxPkQdWfgucLyjKtJSGqda/view?usp=sharing</a>	CSV	15 kB	Public