Data Collection and Preprocessing Phase

Date	25 June 2024
Team ID	739657
Project Title	Prediction Of Full Load Electrical Power Output Of A Base Load Operated Combined Cycle Power Plant Using Machine.
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Report:

Elevate your data strategy with the Data Collection plan and the Rw 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	The machine learning project aims to prediction of full load electrical power output of a base load operated combined cycle power plant using Machine. Using a dataset with features such as ambient pressure, relative humidity, exhaust vaccum, ambient temperature and other variables. The objective is to develop a machine learning model that accurately predicts. The objective of this project is to develop a machine learning model capable of accurately predicting the full load electrical power output of a base load operated combined cycle power plant. The prediction model should help in optimizing the plant's performance, reducing operational costs, and improving reliability.

Data Collection Plan	● Search for datasets related to hospital readmission prediction. ● Prioritize datasets with diverse demographic information.

Raw Data Sources Identified	The raw data sources for this project include datasets obtained from Kaggle , the popular platforms for data science competitions and repositories. The provided sample data represents a subset of the collected information, encompassing variables such as ambient pressure (AP), relative humidity (Rh), exhaust vaccum(V), ambient temperature(T) and other variables.

Raw Data Sources Report:

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	The dataset comprises details like ambient pressure(AP), relative humidity(Rh), exhaust vaccum(v), ambient temperature (T) and other variables.	https://archive.ics.uci.edu/ml/datasets/combined+cycle+power+plant	CSV	15 kB	Public
