Section	Description
Project Overview	By leveraging machine learning techniques to predict permanent magnet resistance in electronic motors, this project aims to enhance reliability, efficiency, and cost-effectiveness across various industrial and commercial applications reliant on motor-driven technologies.
Data Collection Plan	The data collection plan outlines systematic methods to gather, process, and manage data essential for developing accurate machine learning models to predict permanent magnet resistance in electronic motors. By leveraging diverse data sources and applying robust quality assurance measures, the project aims to enhance predictive capabilities and contribute to advancements in electronic motor technology.

Raw Data Sources Identified	These raw data sources collectively provide the foundational information needed to develop and train machine learning models for predicting permanent magnet resistance in electronic motors. The integration of these diverse data types ensures comprehensive coverage of factors influencing motor performance and resistance characteristics.

Data Collection and Preprocessing Phase

Date	20 June 2024
Team ID	739809
Project Title	Predicting Permanent Magnet Resistance Of Electronic Motor Using Machine Learning
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Report:

This data collection plan outlines systematic methods to gather and preprocess data for developing accurate machine learning models to predict permanent magnet resistance in electronic motors. By leveraging both primary and secondary data sources, the project aims to enhance predictive capabilities and contribute to advancements in electronic motor technology.

Raw Data Sources Report:

Source Name	Description	Location/URL	Format	Size	Access Permissio
Kaggle Dataset	My dataset contains (u_q,coolant, stator_winding, u_d,stator_tooth)	https://www.kaggle.com/datasets/wkirgsn/electric-motor-temperature	CSV	122MB	Public