Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	31 January 2026
Team ID	LTVIP2026TMIDS47257
Project Name	Electric Motor Temperature Prediction using Machine Learning
Maximum Marks	4 Marks

Project Flow:

- User interacts with the UI to enter the input.
- Entered input is analyzed by the model which is integrated.
- Once the model analyses the input the prediction is showcased on the UI

To accomplish this, we have to complete all the activities listed below,

- Data collection
  - Collect the dataset or create the dataset

- Visualizing and analyzing data
  - Univariate analysis
  - Multivariate analysis
  - Descriptive analysis

- Data pre-processing
  - Drop unwanted features
  - Checking for null values
  - Remove negative data

- Handling outlier
- Handling categorical data
- Handling Imbalanced data
- Splitting data into train and test

- Model building
  - Import the model building libraries
  - Initializing the model
  - Training and testing the model
  - Evaluating the performance of the model
  - Save the model

- Application Building
  - Create an HTML file
  - Build python code