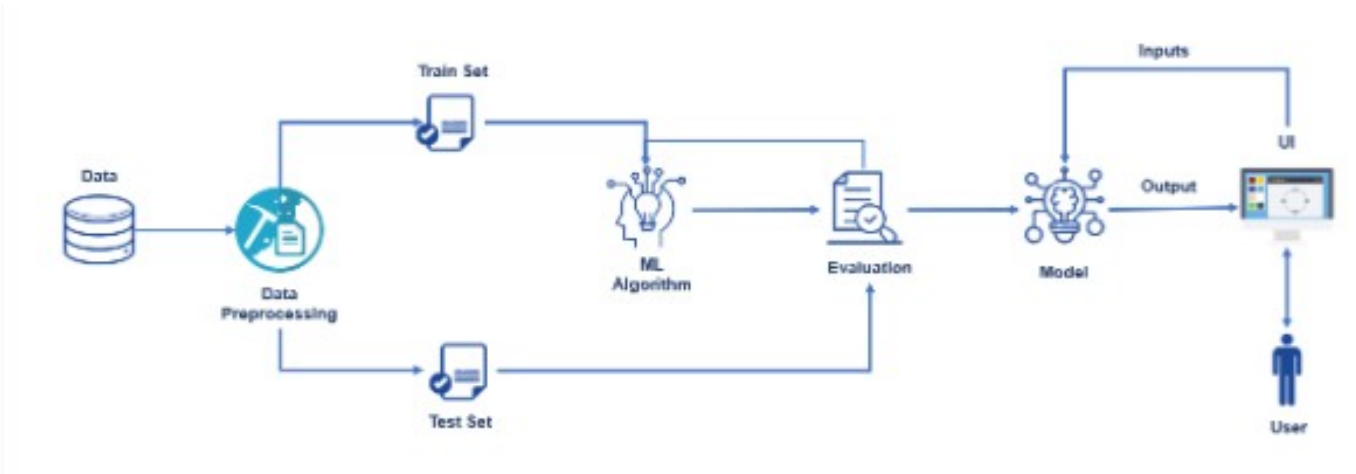
Project Initialization and Planning Phase

Date	20 January 2026
Team ID	LTVIP2026TMIDS87753
Project Name	Electric Motor Temperature Prediction using Machine Learning
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

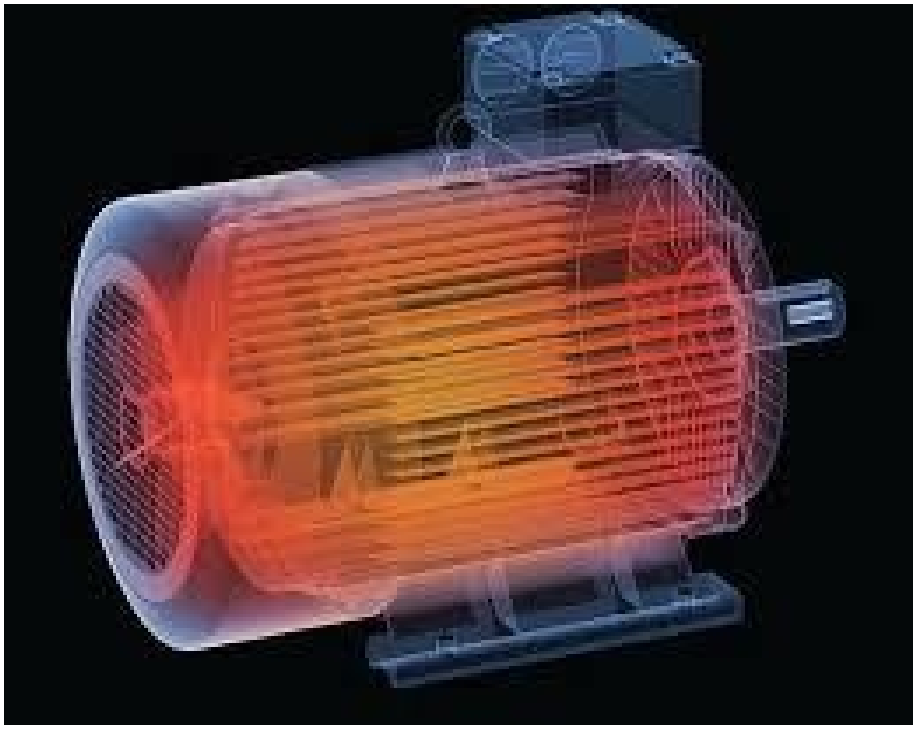
Electric motors are integral to many industrial processes, and their performance can be significantly affected by temperature fluctuations. Excessive heat can lead to inefficiencies, failures, and costly downtime. For organizations, implementing a predictive maintenance strategy based on temperature forecasts can optimize operations and extend motor lifespan.

The goal of this project is to leverage machine learning techniques to develop a predictive model that accurately forecasts the temperature of electric motors based on various operational parameters. This will facilitate proactive maintenance and enhance the reliability of electric motors. We will be doing flask integration and IBM deployment.



Reference: Student Dashboard (smartinternz.com)

Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	-	-	-	-	-