

Acceptance Testing

UAT Execution & Report Submission

Date	13 February 2026
Team ID	LTVIP2026TMIDS47257
Project Name	Electric Motor Temperature Prediction using Machine Learning
Maximum Marks	4 Marks

Run the application

Open the anaconda prompt go to the project folder and in that go to the flask folder and run the python file by using the command “python [app.py](#)”

Copy the HTTP link and paste it into a browser tab.

The following page will be opened

The screenshot shows a web application titled "Electric Motor Temperature". The main title is "Electric Motor Temperature Prediction". Below it, a sub-instruction says "Fill in and below details to know predicted Permanent Magnet surface temperature representing the rotor temperature.". There are seven input fields for "Ambient temperature", "Coolant temperature", "Voltage d-component", "Voltage q-component", "Motor speed", "Current d-component", and "Current q-component". At the bottom left is a "Submit" button, and at the bottom right are links for "Activate Window" and "Go to Settings to activ".

Enter the values and click on predict button, it will predict the temperature of an electric motor

The screenshot shows the same web application as above, but with a red message at the top stating "(Permanent Magnet surface temperature: '-0.9143869588803724')". The rest of the interface is identical to the first screenshot, with input fields for ambient and coolant temperatures, voltage components, motor speed, and current components, and a "Submit" button at the bottom.