

Project Design Phase

Problem – Solution Fit Template

Date	
Team ID	LTVIP2026TMIDS45779
Project Name	Electric Motor Temperature Prediction Using Machine Learning
Maximum Marks	2 Marks

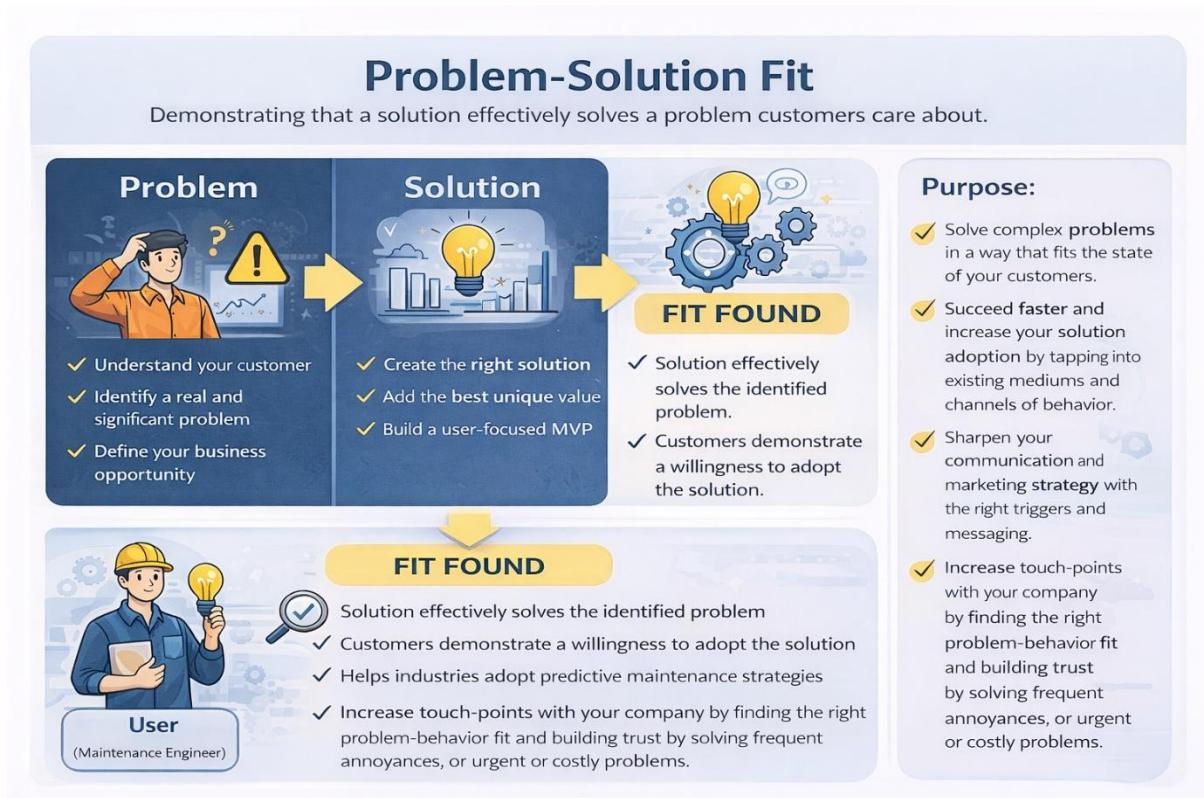
Problem – Solution Fit Template:

Problem–Solution Fit Validation

Problem	Solution Fit
Unexpected overheating	Predicts temperature before failure occurs
High maintenance cost	Reduces hardware sensor dependency
Downtime losses	Enables predictive maintenance
Lack of monitoring	Provides real-time web-based monitoring
Reactive repair strategy	Enables proactive decision-making

The solution directly addresses the core pain points of industrial operators and provides measurable value.

Template:



References:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>