

Ideation Phase

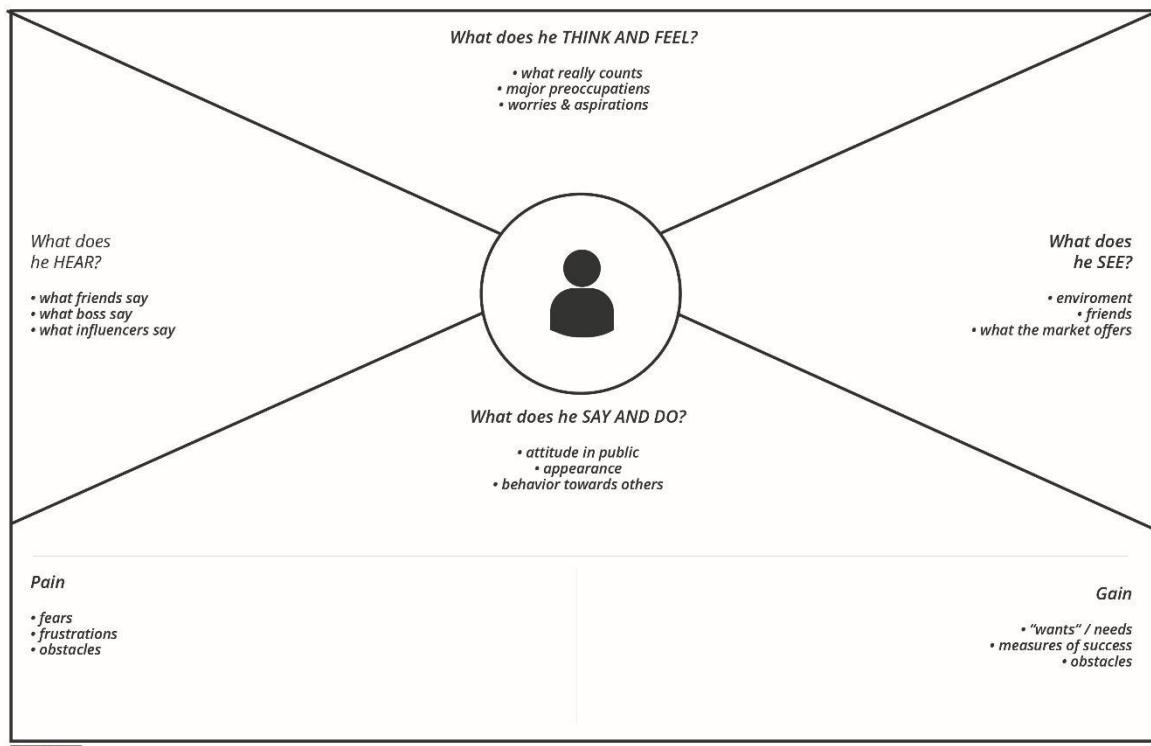
Empathize & Discover

Date	29 January 2026
Team ID	LTVIP2026TMIDS84120
Project Name	Weather-Based Prediction of Wind Turbine Energy Output: A Next-Generation Approach to Renewable Energy Management
Maximum Marks	4 Marks

Empathy Map Canvas:

An empathy map is a simple visual tool that helps teams understand the behaviors, thoughts, and challenges of users involved in wind energy generation and management. In weather-based wind turbine energy prediction, it enables teams to see the problem from the perspective of stakeholders such as wind farm operators and renewable energy planners, including what they think about weather uncertainty, what they observe in turbine performance, and how they act to manage energy output. By capturing user pains, needs, and goals, the empathy map supports the design of accurate prediction models and decision-support solutions that improve forecasting reliability and renewable energy planning.

Empathy Map



Example:

