

Ideation Phase

Empathize & Discover

Date	16 June 2025
Team ID	LTVIP2025TMID29152
Project Name	SmartSDLC – AI-Enhanced Software Development Lifecycle
Maximum Marks	4 Marks

Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.

It is a useful tool to help teams better understand their users.

Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.

Example:

AI-based SDLC Automation Tool (SmartSDLC)

Section	Description
Think & Feel	"I spend hours writing code." "I wish repetitive coding tasks were automated." "I need help understanding large codebases." "Can AI help with my testing and debugging?"
See	Peers using ChatGPT / AI tools for code help. Manual workflows in college and internships. Demand for automation in real-world software teams.
Hear	Professors emphasize testing and clean code. Friends say writing unit tests is hard. Influencers promote AI tools for productivity.
Say & Do	Complains about debugging errors. Searches online for test cases. Uses GitHub Copilot, Stack Overflow, ChatGPT. Tries to speed up development but gets stuck.
Gain	Faster development with AI help. Automated testing and bug fixing. Improved productivity. Less stress, better understanding of the codebase.

Empathy Map

