ideation Phase: Empathize & Discover

Date : 19 July 2025

Team ID : LTVIP2025TMID33417

Project Name : Personalized Learning with Generative AI and LMS Integration

Maximum Marks : 4 Marks

Empathy Map Canvas

User Type: Students, Teachers, Educational Administrators, LMS Platform Providers

SAYS

“Every student learns at a different pace, but the system treats them the same.”

“I spend too much time searching for relevant learning materials.”

“It’s hard to track each student’s strengths and weaknesses individually.”

“I wish learning content could adapt to students’ needs automatically.”

THINKS

“Can technology help create personalized learning experiences for my students?”

“Will this system be secure and easy to integrate with existing LMS platforms?”

“How can I reduce the workload while improving student outcomes?”

“Will students engage more if content is customized for them?”

DOES

Uses an LMS for managing courses, assignments, and assessments.

Manually curates learning materials or uploads standard content.

Reviews student reports but struggles to offer tailored feedback.

Organizes additional sessions for struggling students but with time constraints.

FEELS

Overwhelmed by the one-size-fits-all approach in current LMS systems.

Curious about AI-driven personalized learning but cautious about its implementation.

Concerned about student engagement and dropout rates.

Hopeful that generative AI can make learning more dynamic and interactive.

Summary of Problem

Current Challenge:

Educational platforms often lack true personalization. Students face learning gaps due to uniform content delivery, while teachers face difficulties in addressing individual needs at scale.

Proposed Solution:

Integrating Generative AI with LMS to create a personalized learning experience where:

Content adapts dynamically to each student’s pace and performance.

Generative AI recommends or creates custom quizzes, summaries, or explanations.

Teachers receive AI-driven insights to focus on students who need help the most.