

Self-Assessment Survey (for Project Team Members)

Purpose: To evaluate student developers' perceived skill development and learning outcomes from participating in the AI Tutor project.

Format: Likert-scale (pre/post reflection) + Open ended questions

- 5 Strongly Agree
- 4 Somewhat Agree
- 3 Neither Agree nor Disagree
- 2 Somewhat Disagree
- 1 Strongly Disagree

Section A: Skill Development (Retrospective Pre/Post, 1–5 scale)

Skill Area	Before Project Rating (1–5)	After Project Rating (1–5)
AI model integration	4	5
Backend development (API, server)	4	5
Frontend/UI development	3	5
Debugging/problem-solving	4	5
Agile project management	3	5
Interdisciplinary collaboration	5	5

Section B: Learning Experience (1 = Strongly Disagree to 5 = Strongly Agree)

Statement	Rating (1–5)
I gained valuable technical skills through this project.	5
I feel more prepared for real-world system development.	5
I learned how to manage technical limitations effectively.	5
The project helped me grow as a collaborator.	5

Open-ended Questions:

- What was your role in the project, and what were your main contributions?
I was the project manager for the AI tutor project. I mainly coordinated the activities of the team, set up timelines, and had open communication so tasks stayed on schedule. I also assisted in determining the project scope and made sure the end deliverables were what we wanted.

- What technical challenges did you encounter, and how did you solve them?
One of the issues I had was combining various tools into one platform for the AI tutor. Certain features weren't quite working smoothly initially, creating a hiccup for the timeline. I resolved this by analyzing the issues, delegating them to the appropriate team members, and ensuring that fixes were quickly tested. This process helped the project continue to progress by taking things one step at a time.
- How did you approach designing the AI Tutor within the constraints?
I focused on highlighting the core operations which would make the AI tutor functional, for instance providing clear explanations and interactive responses. As time and resources were constrained, the other features which would slow down the pace were not included. By specifying the goals sharply and by making the design straightforward, the boundaries were maintained and the product remained functional.
- What did you learn from working on this interdisciplinary team?

I learned the value of combining disparate skill sets and perspectives. Everyone had a particular skill set like coding, design, or test case development, and combining those skill sets made the project more solid. I also appreciated the value of planning and communication when working from a multidisciplinary approach.

- In what ways has this experience influenced your future goals?
This experience showed me that I want to keep working on projects that combine technology and problem solving. It pushed me to strengthen my project management skills and confirmed that I want to pursue roles where I can lead diverse teams and bring new ideas into real world scenarios.