Problem–Solution Fit Template

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| Date | 15 February 2025 |
| Team ID | [Your Team ID] |
| Project Name | EduTutor AI |
| Maximum Marks | 2 Marks |

## 1. CUSTOMER SEGMENTS

* School students (K–12)
* College/university students
* Educators and academic institutions
* Parents (as indirect stakeholders)

## 2. JOBS-TO-BE-DONE / PROBLEMS

* Students struggle with one-size-fits-all learning resources.
* Teachers lack real-time insights into student progress.
* Manual quiz creation is time-consuming and not personalized.
* Difficult to align assessments with Google Classroom content.

## 3. TRIGGERS

* Increased adoption of remote and hybrid learning.
* Rising demand for AI-driven personalization in education.
* Need for real-time performance monitoring tools for educators.

## 4. EMOTION: BEFORE / AFTER

* \*\*Before\*\*:  
  - Students feel confused, overwhelmed, or under-challenged.  
  - Teachers feel burdened with repetitive manual tasks.
* \*\*After\*\*:  
  - Students feel confident and engaged through personalized learning paths.  
  - Teachers feel empowered with instant insights and automation.

## 5. PROBLEM ROOT CAUSE

* Lack of personalized content based on student needs.
* Insufficient integration between LMS systems and assessment tools.
* Absence of AI-based diagnostics for student capability assessment.

## 6. CUSTOMER COMPLAINTS

* “I don’t know what to focus on before exams.”
* “The same quiz is given to all, regardless of understanding level.”
* “I spend hours creating quizzes that don’t reflect actual classroom learning.”
* “We don’t know who needs help until it’s too late.”

## 7. BEHAVIOUR

* Students skip self-study unless prompted or gamified.
* Educators rely on fixed tests with manual grading.
* Institutions seek tools that integrate into existing workflows like Google Classroom.

## 8. CHANNELS OF BEHAVIOUR

* Google Classroom
* WhatsApp or Telegram class groups
* Institutional LMS portals
* Email updates and announcements

## 9. AVAILABLE SOLUTIONS

* Google Forms for quizzes (not adaptive)
* Kahoot, Quizizz (engaging but not curriculum-integrated)
* LMS platforms with limited AI personalization

## 10. YOUR SOLUTION: EduTutor AI

* Syncs with Google Classroom to fetch real course data.
* Generates adaptive quizzes using IBM Watsonx & Granite LLM.
* Real-time feedback and performance insights for students and teachers.
* Diagnostic test on registration to personalize content from Day 1.
* Dashboard with data insights via Pinecone integration.