

Project Design Phase

Problem – Solution Fit

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID59564 |
| Project Name | Edututor AI: personalized learning with generative AI and lms integration |
| Maximum Marks | 2 Marks |

Problem – Solution Fit:

Problem-Solution Fit canvas

Purpose / Vision

Version:

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|---|---|--|--|---|
| Define CS, fit into CL | 1. CUSTOMER SEGMENT(S) CS | 6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL | 5. AVAILABLE SOLUTIONS <small>PROS & CONS</small> AS | Explore AS, differentiate |
| | <ul style="list-style-type: none"> -> Students of schools and colleges -> Teachers and Private Tutors | <ul style="list-style-type: none"> -> Limited budgets for EdTech tools -> Unequal access to devices and internet -> Low familiarity with advanced tech tools (for teachers) | <ul style="list-style-type: none"> -> YouTube / MOOCs (non-personalized) -> Human tutors (expensive, inconsistent) | |
| Focus on PR, tap into BE, understand RC | 2. PROBLEMS / PAINS + ITS FREQUENCY PR | 9. PROBLEM ROOT / CAUSE RC | 7. BEHAVIOR + ITS INTENSITY BE | Focus on PR, tap into BE, understand RC |
| | <ul style="list-style-type: none"> -> One-size-fits-all approach to learning -> Lack of personalized learning paths -> Students struggle with self-paced learning | <ul style="list-style-type: none"> -> Absence of adaptive content generation -> No feedback loop for improving student-specific materials | <ul style="list-style-type: none"> -> Heavy reliance on outdated or static learning methods -> High dropout or disengagement from self-paced courses -> Passive learning habits, low interaction rates | |
| Identify strong TR & EM | 3. TRIGGERS TO ACT TR | 10. YOUR SOLUTION SL | 8. CHANNELS of BEHAVIOR CH | Extract online & offline CH of BE |
| | <ul style="list-style-type: none"> -> Declining academic performance -> Need for improved student engagement | | <div style="border-bottom: 1px solid #ccc; padding-bottom: 5px;"> <small>ONLINE</small> <ul style="list-style-type: none"> -> LMS platforms, mobile apps, YouTube, Google Classroom </div> <div style="padding-top: 5px;"> <small>OFFLINE</small> <ul style="list-style-type: none"> -> School lectures, tutoring centers, printed guides </div> | |
| | 4. EMOTIONS <small>BEFORE / AFTER</small> EM | | | |
| | <ul style="list-style-type: none"> -> Before: Frustrated, Overwhelmed, Disconnected -> After: Empowered, Confident, Motivated | <ul style="list-style-type: none"> -> Generative AI Tutors that adapt content per learner -> LMS Integration for personalized lesson plans -> Feedback-driven, interactive, and multilingual content | | |

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