

Hackathon Project Phases Template for the StudBud AI Study Planning

Hackathon Project Phases Template

Project Title:

StudBud: AI Study Planning

Team Name:

Quantum Thinkers

Team Members:

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Phas-1: User Onboarding and Profile Setup

Objective:

Ensure users provide necessary details for personalized study planning.

- **KeyPoints:**

Collect user details (name, academic level, subjects, learning style).

- Preference settings (study hours, break intervals, difficulty levels).
- AI-based initial assessment to understand user needs.
- Dashboard customization for better engagement.

Problem Statement:

Students struggle with organizing their study schedules effectively.

Proposed Solution:

An AI-driven onboarding process that personalizes study plans based on user preferences and academic needs.

Target Users:

Students of all academic levels seeking structured learning.

Expected Outcome:

A customized study dashboard with an optimized learning path.

Phase-2: Study Plan Generation

Objective: Create a personalized, adaptable study plan based on user input and AI recommendations

Key Points:

- AI-driven syllabus breakdown.
- Smart scheduling with deadlines and priorities.
- Adaptive learning techniques based on performance.
- Integration of reminders and alerts for consistency.

Problem Statement:

Students face difficulty in balancing study schedules with deadlines.

Proposed Solution:

An AI-powered study plan that adapts based on user progress and priorities.

Target Users:

Students preparing for exams, coursework, and self-paced learning.

Expected Outcome:

A well-structured, AI-generated study plan that adjusts dynamically.

Phase-3: Task and Progress Tracking

Objective: Enable users to track their study progress and adjust plans accordingly.

Key Points:

- . Daily, weekly, and monthly progress tracking.
- Task completion status with AI recommendations for adjustments.

- Gamification elements (badges, streaks, rewards).
- AI-driven suggestions for improvement.

Problem Statement:

Lack of motivation and poor tracking mechanisms hinder effective studying.

Proposed Solution:

A progress tracking system with gamification and AI insights.

Target Users:

Students who need motivation and structure in their learning.

Expected Outcome:

Improved accountability and enhanced study habits

Phase-4: Study Assistance and Resources

Objective: Provide additional learning support through AI-powered resources

Key Points:

- AI-generated summaries and flashcards.
- Automated doubt resolution with AI chat support.
- Video and text-based educational resources.

- Collaborative study groups and peer discussions.

Problem Statement:

Students lack access to instant, personalized study assistance.

Proposed Solution:

An AI-powered assistant that provides real-time help and curated resources.

Target Users:

Students requiring on-demand study support.

Expected Outcome:

Enhanced learning experience with quick access to relevant study materials.

Phase-5: Performance Analysis and Feedback

Objective: Analyze performance and provide insights to optimize study habits.

Key Points:

- AI-based performance analytics with strengths/weakness identification.
- Personalized feedback and study strategy refinement.
- Comparison with past performance and benchmarks.

- AI-generated revision schedules for better retention.

Problem Statement:

Students struggle to evaluate their performance and improve effectively.

Proposed Solution:

An AI-driven performance analysis system with actionable insights.

Target Users:

Students aiming to track and enhance their study performance.

Expected Outcome:

Data-driven study improvements and better exam preparation.

Phase-6: Continuous Improvement and AI Adaptation**Objective:**

Ensure StudBud AI evolves to meet user needs efficiently.

Key Points:

- AI learning from user behavior for better recommendations.

- Continuous updates based on feedback and trends.
- Integration of new educational methodologies.
- Seamless experience with UI/UX enhancements.

Problem Statement:

Static study plans fail to adapt to changing learning needs.

Proposed Solution:

A continuously evolving AI system that updates based on user behaviour and feedback.

Target Users:

All students benefiting from personalized and evolving study plans.

Expected Outcome:

A smarter, more effective study planner that improves over time.