MXB2026-Sylhet-Fakibazz-Master-Moshai

Please test our beginner app. This is the **first stage** of the application and **not the final version**.

Click the link below and open it in **Microsoft Edge** or **Google Chrome**.
Then, click on the **three-dot (⋮) menu**, select **"Add to Home Screen"**, and tap **Install**.
The application will then be installed on your device.

Link: https://mastermoshai-millionxbangladesh-fakibazz.lovable.app

Solution Description

Project Name: Master-Moshai — The AI Learning Companion

Master-Moshai is an AI-powered personalized learning platform designed to ensure equal access to quality education, regardless of a student's financial background or geographic location.

The core solution is an **AI-based virtual teacher** that adapts to each student's individual learning style, pace, and performance. By analyzing study behavior, exam results, and interaction patterns, the system creates a **customized learning roadmap** that clearly guides students on what to study next.

The platform continuously identifies **weak topics** and generates targeted practice questions and explanations to strengthen understanding, while also recognizing **strong areas** so students do not waste time revising concepts they have already mastered. Multiple exam modes—both online and offline—allow students to practice effectively under real exam conditions.

Whenever a student struggles with a concept, they can instantly interact with an **AI tutor** that provides clear, step-by-step explanations. Beyond academic assistance, Master-Moshai also supports **students' mental well-being** by offering motivation, encouragement, and emotional guidance—helping learners overcome fear, anxiety, and loss of confidence.

Through personalized learning, structured practice, and emotional support, Master-Moshai transforms education into an **inclusive, adaptive, and student-centric experience**, ensuring that learning is no longer a privilege but a right accessible to all.

1-What We Built:

Master-Moshai is an **AI-powered personalized learning platform** designed to understand how a student learns, identify their weaknesses, and guide them with actionable insights.

Instead of offering static content, Master-Moshai:

- Continuously evaluates student performance
- Adapts learning paths dynamically
- Acts as a virtual academic mentor available 24/7

The system uses **large language models (LLMs)** combined with structured educational data to deliver context-aware and personalized learning support.

2-Core Features:

Personalized Question Generation

- AI generates questions based on:
  - Student's grade and subject
  - Previous performance
  - Weak and strong areas
- Difficulty adjusts automatically

Weakness Detection & Analysis

- Analyzes incorrect answers and patterns
- Identifies conceptual gaps (not just wrong answers)
- Tracks recurring mistakes over time

Performance Tracking Dashboard

- Visual breakdown of:
  - Topic-wise accuracy

    - Improvement trends
    - Strength vs weakness map
- Enables students to self-monitor progress

Actionable AI Feedback

- Provides clear explanations for mistakes
- Suggests:
    - Topics to revise
    - Practice strategy
    - Time allocation improvements

Multi-Level Support

- Supports:
    - SSC
    - HSC
    - Admission preparation
- Subject-agnostic architecture (Science, Arts, Commerce)

3-User Journey / Flow:

Step-by-Step User Experience

1-**User Registration**

- Student signs up and selects:
    - Academic level
    - Subject(s)

2-**Initial Diagnostic Assessment**

- AI generates a baseline test
- Establishes learning profile

3-**AI Analysis**

- System evaluates:
  - Accuracy
  - Time taken
  - Error patterns
- Builds a personalized learning map

4-**Personalized Learning Phase**

- Student receives:
  - AI-generated practice questions
  - Topic-specific feedback
- Difficulty adapts dynamically

5-**Continuous Improvement Loop**

- Every interaction updates the student model
- AI recommendations evolve over time

4-How This Is Different From Existing Solutions:

Traditional Platforms	Master-Moshai
Same content for all	Personalized learning paths
Static quizzes	Adaptive AI-generated questions
Score-only feedback	Deep reasoning-based feedback
Manual analysis	Automated AI insights

5-Real-World Use Case:

A student struggling with **Physics Mechanics**:

- AI detects repeated errors in force diagrams
- Generates targeted conceptual questions
- Explains mistakes in simple language
- Recommends revision strategy

- Tracks improvement over time

6-Outcome & Value:

- Improves learning efficiency
- Builds conceptual clarity
- Reduces dependency on coaching centers
- Encourages self-directed learning

Behind This Project: