

PrepPro — AI-Powered Adaptive Exam Preparation

A personalised study platform that builds every learner a unique path to exam success.

The Problem

One-size-fits-all test prep wastes the strongest hours of every student's day. Learners drill topics they've already mastered while their real weak spots stay unaddressed until the night before the exam.

The Solution

PrepPro continuously diagnoses each learner's weakest topics and rebuilds the study plan after every session. AI-generated mock exams mirror the real test, every wrong answer comes with a step-by-step explanation, and detailed analytics keep students (and parents) honest about progress.

Key Capabilities

- Adaptive practice sets that surface the weakest topic first.
- AI tutor that explains every wrong answer step-by-step.
- Realistic mock exams with detailed performance analytics.
- Spaced-repetition memory engine for long-term retention.
- Parent and tutor dashboards with progress reports.

Architecture

React Native client → Node.js + FastAPI services → OpenAI for tutoring & explanation generation → Vector-store question bank → PostgreSQL learner profile → Adaptive scheduler running spaced-repetition + IRT (Item Response Theory).

Outcomes

- Average mock-exam score lift of 18 percentage points across cohorts.
- 3x higher daily active usage vs. static prep apps.
- Used by competitive-exam aspirants across South Asia, the Gulf, and the UK.

Live

Visit prepro.academy to explore the live platform.

AI Pinnacle · <https://www.aipinnacle.pk> · info@aipinnacle.pk