Knowledge Retention Tracker App

**Overview:**

**A smart revision app designed to help students retain what they learn even after exams. The app uses spaced repetition, automated quizzes, and audio-based content to reinforce memory over time.**

**💡 Core Concept**

**"An intelligent learning companion that transforms student notes into periodic quizzes and audio lessons, and reminds learners to revise at the right time — turning short-term cramming into long-term understanding."**

**⚙️ Key Components**

**Smart Notification System**

**Sends timely reminders to revise content based on spaced repetition.**

**Personalizes schedule based on user performance and topic difficulty.**

**Quiz Engine**

**Generates quizzes from user notes using manual input or AI.**

**Supports multiple formats (MCQs, flashcards, short answers).**

**Audio Generator**

**Manual Mode: Students can record themselves summarizing topics.**

**Auto Mode: AI converts notes into audio using text-to-speech (TTS).**

**Supports passive learning through audio playback during daily activities.**

**🎯 Purpose & Benefits**

**Reduces post-exam forgetting.**

**Supports auditory, visual, and active learners.**

**Makes revision continuous, engaging, and accessible.**

**🧠 What Makes It Unique**

**Integrates audio-based revision with spaced quizzes.**

**Blends manual input with AI automation.**

**Focuses on post-exam retention, not just test prep.**