

# LearnLoop: Your Smart Revision Companion

Welcome to the presentation of LearnLoop, an innovative Android application designed to revolutionize student revision. We're excited to share our vision for smarter, more effective learning.

Team Members:

Kunsh Viraj Singh Guleria Rohit-Annaamalai Samudra

# The LearnLoop Vision

## preencoded.pngSmart Revision Planner

LearnLoop uses advanced spaced repetition. It's a method proven to enhance memory.

## AI-Powered Learning

AI generates personalized revision plans. This helps students retain information efficiently.

## Targeting Android Students

Designed specifically for Android users. It supports students preparing for various exams.

# preencoded.pngKey Features & Solutions

### Topic Management

Add topics, subjects, and exam dates easily.

### AI Scheduler

AI powers spaced repetition plans daily.

### preencoded.pngNotes Storage

Upload PDFs, images, and text notes securely.

### Daily Reviews

Get smart review suggestions every day.

### preencoded.pngGamification

Earn XP and build streaks for engagement.

### Progress Dashboard

Track your study progress visually.

### preencoded.pngDaily Reminders

Receive timely study reminders.

### Dark Mode

Enjoy comfortable viewing at night.

Underlying Concepts & Tech

Stack

Spaced Repetition

Optimizes memory retention for long-term learning.

Jetpack Compose + Material UI

Facilitates a modern, intuitive user interface design.

MVVM Architecture

Ensures scalable and maintainable code separation.

LiveData & ViewModel

Enables reactive, lifecycle-aware data flow efficiently.

Room Database

Provides robust local persistent data storage.

Gamification Mechanics

Boosts user engagement and motivation effectively.

Tech Stack & Tools

Developed with Kotlin, Android Studio, Room, Jetpack Compose, MVVM. Tools include GitHub, ViewBinding/DataBinding, Material UI.

UI Preview

