# Exam Labs LK

## Empowering Students with AI-Assisted Past Paper Mastery

Exam Labs LK is an innovative web application that leverages AI technology to help students master past exam papers, boosting their academic performance and confidence.

# Key Features

## Past Paper Access

Students can download past papers without login, or access personalized features after logging in.

## Exam Practice

Exam Labs LK offers MCQs and Structured Essays with AI-powered feedback and evaluation.

## Comprehensive Analytics

The admin dashboard tracks user activity, MCQs, PDFs, and markings to optimize the platform.

# Administrative Powers

### Secure Authentication

Admins can securely login and signup to access the powerful management tools.

### Analytical Insights

The admin dashboard provides deep insights into user engagement and platform usage.

### Content Control

Admins can add, view, and delete PDFs, MCQs, and Structured Essays as needed.



Made with Gamma

# Technological Foundation

**1** **Frontend**

The user interface is built using the React JS library for a seamless and responsive experience.

**2** **Backend**

The backend is powered by Node.js and Express, providing a scalable and secure infrastructure.

**3** **Database**

MongoDB is used as the database, ensuring efficient storage and retrieval of exam data.

**4** **AI Integration**

OpenAI API is integrated to provide AI-powered evaluation and feedback for Structured Essays.

# Functional Overview

**1** — **Homepage**

The homepage provides an introduction to the platform and navigation to key features.

**2** — **User Dashboard**

The personalized user dashboard allows students to access exams and receive feedback.

**3** — **Admin Dashboard**

The admin dashboard offers powerful analytics and content management tools.

## Student Experience

Students can explore the platform, download past papers, and practice MCQs or submit essays for AI feedback.

## Admin Experience

Admins can securely login, view in-depth analytics, and efficiently manage the platform's content.

# Benefits and Future

### Student Benefits

Improve exam readiness and performance with AI-powered practice and personalized feedback.

### Admin Benefits

Efficient content management and insightful analytics to optimize the platform.

### Future Enhancements

Expand AI capabilities and improve the user interface for an even more seamless experience.