



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Department Portal

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Department Portal



TABLE OF CONTENTS

01

PROBLEM STATEMENT

02

PROJECT OBJECTIVE

03

KEY FEATURES FOR STUDENTS

KEY FEATURES FOR INSTRUCTORS

04

TECHNOLOGIES

05

IMPACTS & BENEFITS

06

CONCLUSION

07

REFERENCES

Problem Statement

- In a typical academic department, students, faculty, and staff require a single, cohesive platform to access essential resources, track academic progress, manage departmental tasks, and stay informed about events and announcements.
- Currently, departments often rely on fragmented systems and manual processes that are time-consuming, prone to error, and lack interactivity.
- This disjointed approach makes it difficult to efficiently manage course information, academic records, faculty details, and departmental news.

Project Objective







Goal of the Platform:

The goal of the platform is to provide a unified, efficient, and accessible portal for managing and sharing academic resources, faculty details, departmental communication





Key Objectives:

- Simplify Course Access Enable easy discovery and enrollment in a wide range of
- Enhance Course Management courses. courses.
- Facilitate Interaction instructors to improve the learning experience.
- Improve Engagement Design an intuitive interface that encourages active participation from both students and educators, leading to a more immersive educational environment.

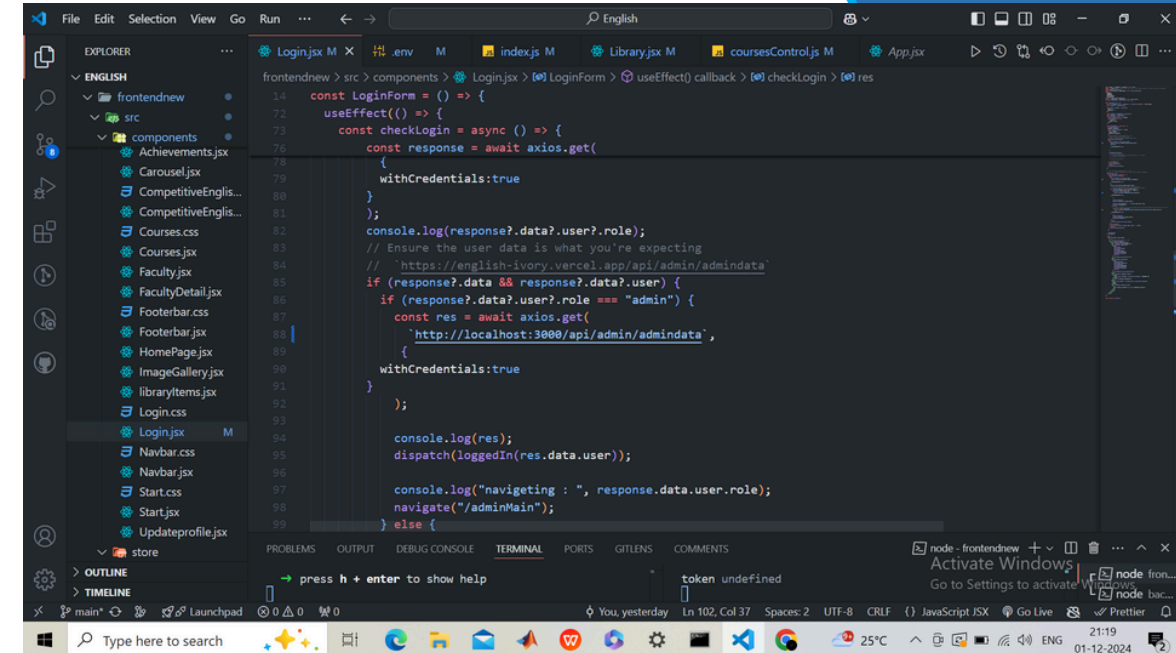
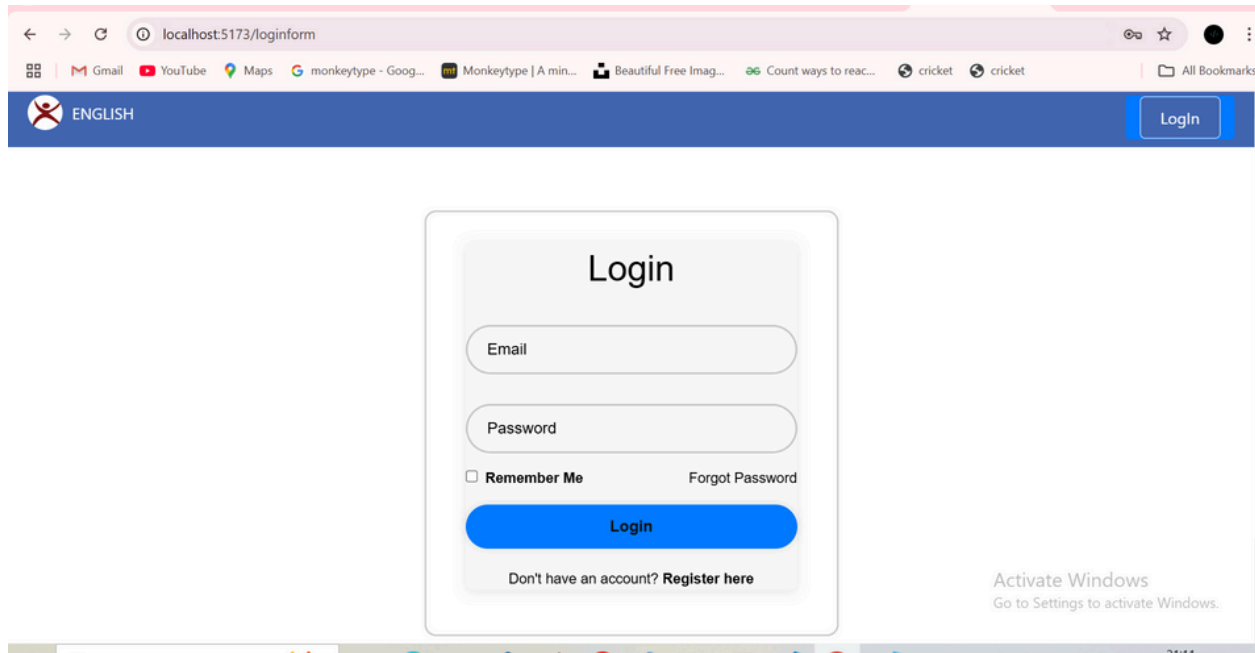
Key Features for Students

-  Homepage: Intro to platform with links to courses and profile.
-  Course List: View all courses with descriptions and ratings.
-  Wishlist: Save courses of interest.
-  Cart & Checkout: Secure course purchasing.
-  Course Content Access: Access videos and materials.
-  Profile Management: View and edit account details.

Key Features for Instructors

- Dashboard : Offers an overview of the instructor's courses, along with ratings and feedback for each course.
- Insights : Provides detailed insights into the instructor's courses, including the number of views, clicks, and other relevant metrics.
- Course Management Pages : Enables instructors to create, update, and delete courses, as well as manage course content and pricing.
- View and Edit Profile Details : Allows instructors to view and edit their account details.

Login Page



Login Page :

Fields:

- Email/Username
- Password
-

Roles :

Admin ,faculty
Student

Validation:

Ensure inputs
are not empty.

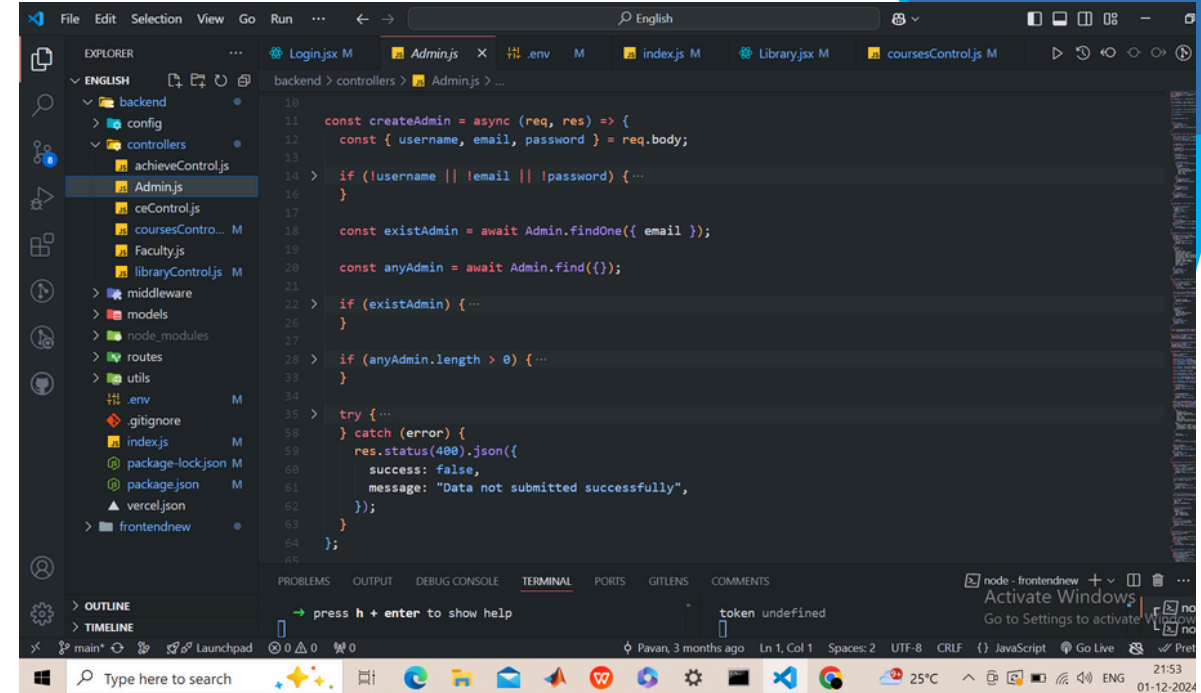
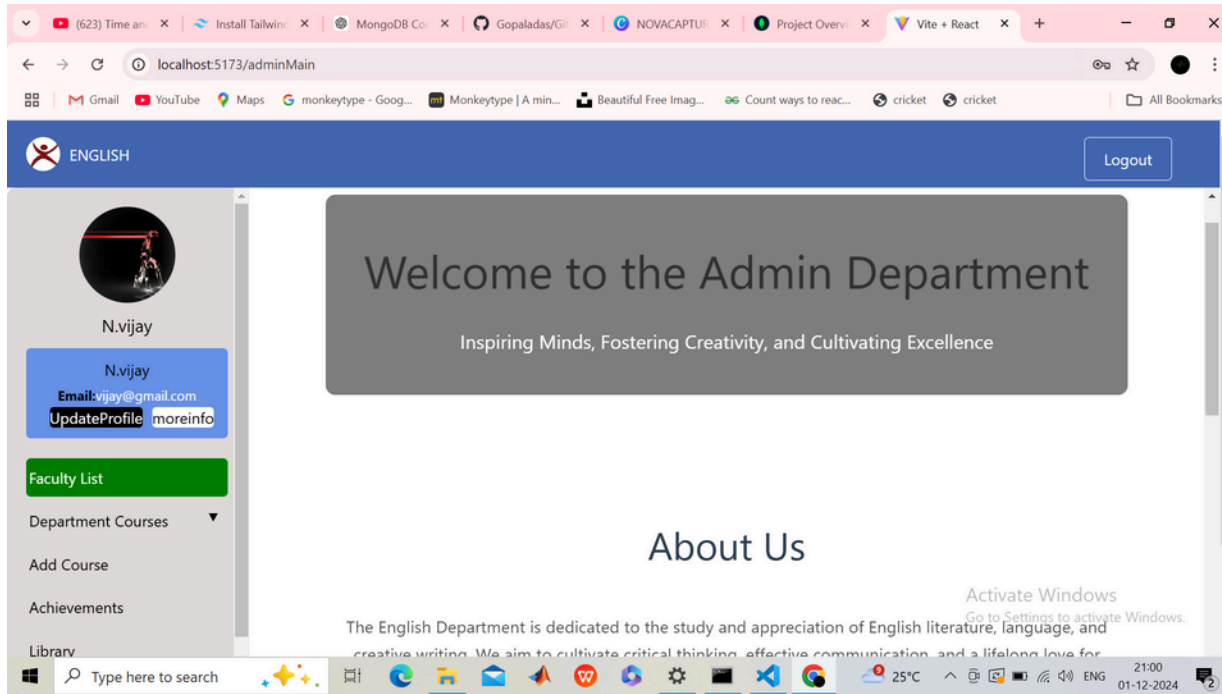
Functionality:

Authentication
Redirection,Password
Reset

Security:

Hash
passwords(e.g.
using bcrypt).

Admin Page



Admin Page :

User Management :

- Add Faculty/Students
- Edit/Delete Users
- View User Profiles

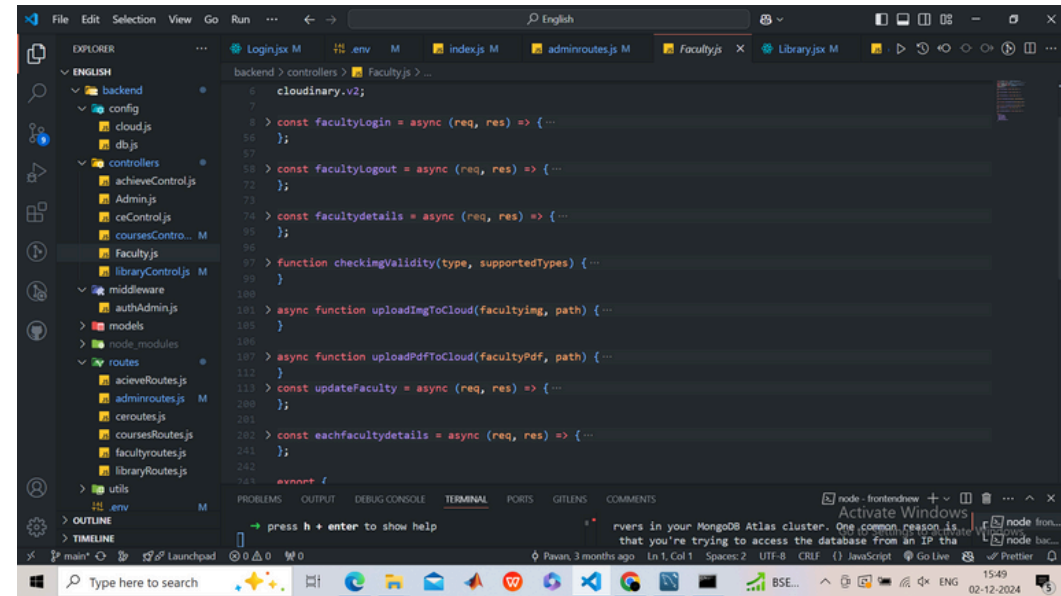
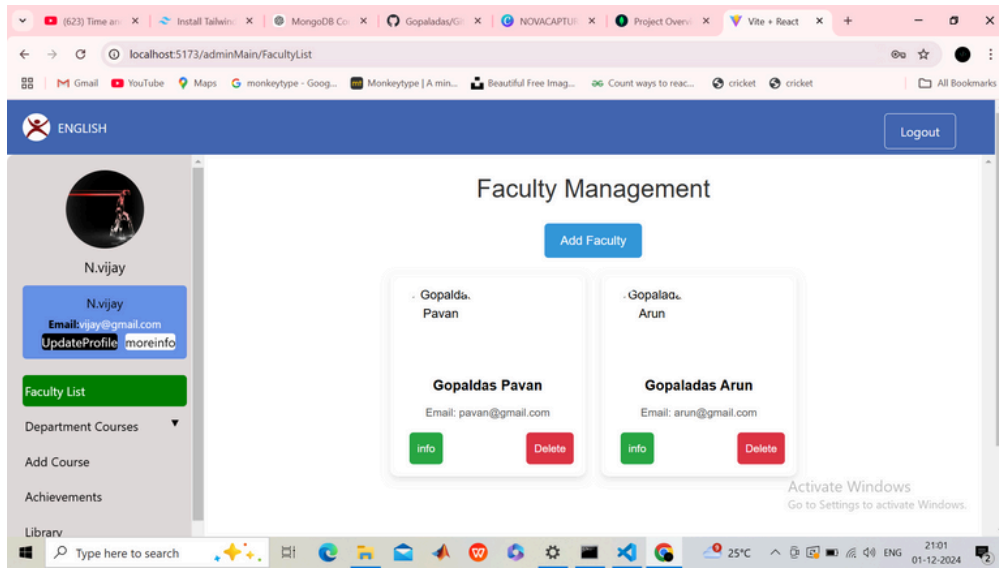
Resource Management:

- Upload Resources
- Edit/Delete Resources

Faculty Access Control:

- Upload resources.
- Announcements

Faculty Pages

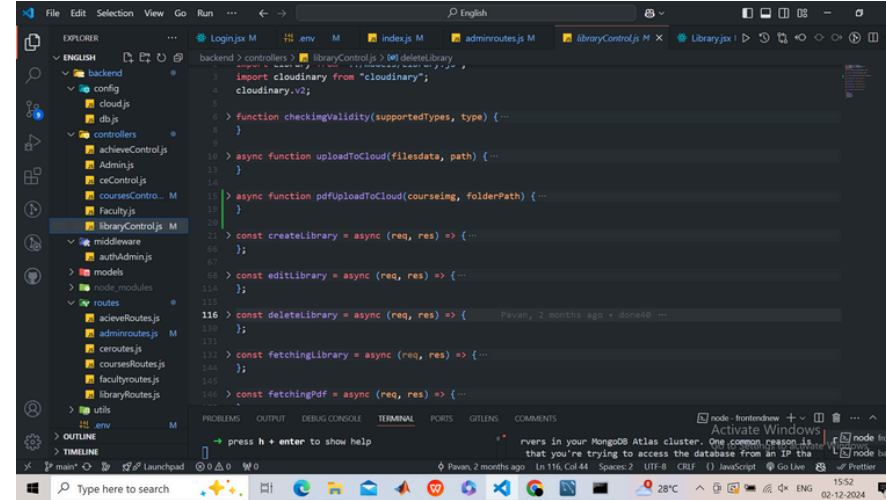
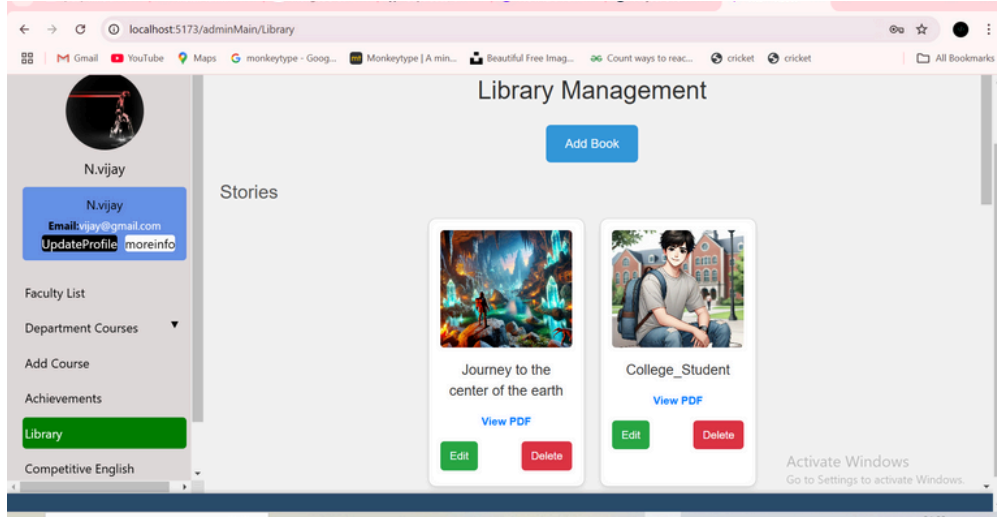


Faculty Page :

Resource Management:
Upload Resources
Edit/Delete Resources

Faculty Access Control:
Upload resources.
Announcements

Library



Library Page :

Categories :
Stories
Novels
Newspapers

User Interactions :
Read Online/Download

Library Content Management :
Add New Content
Edit/Delete Content

Impacts & Benefits

- 🎓 Streamline Education: Simplifies the learning process for students and instructors.
- 🌐 Facilitate Access: Provides easy access to a diverse range of educational resources.
- 📋 Educational Course Management: Equips instructors with efficient tools to manage courses and track performance.
- 💡 Improve Learning Experience: Creates an engaging environment that supports active learning and interaction.

Conclusion

Empowering Education: The platform simplifies and enhances online learning for both students and instructors.

Bridging the Gap: Connects students with educational content and provides instructors with effective management tools.

Future Vision: Aims to make education more accessible, engaging, and impactful for all users.

Goal: To create a seamless, user-focused learning experience that meets modern educational needs.

REFERENCES

Development Assistance:

- Stack Overflow
- MongoDB Documentation
- Express.js Documentation
- React.js Documentation
- Node.js Documentation
- ChatGPT

Image Sources:

- Pinterest
- Google Images
- Unsplash
- Pexels