



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

## Department Portal

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# Department Portal



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# 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.

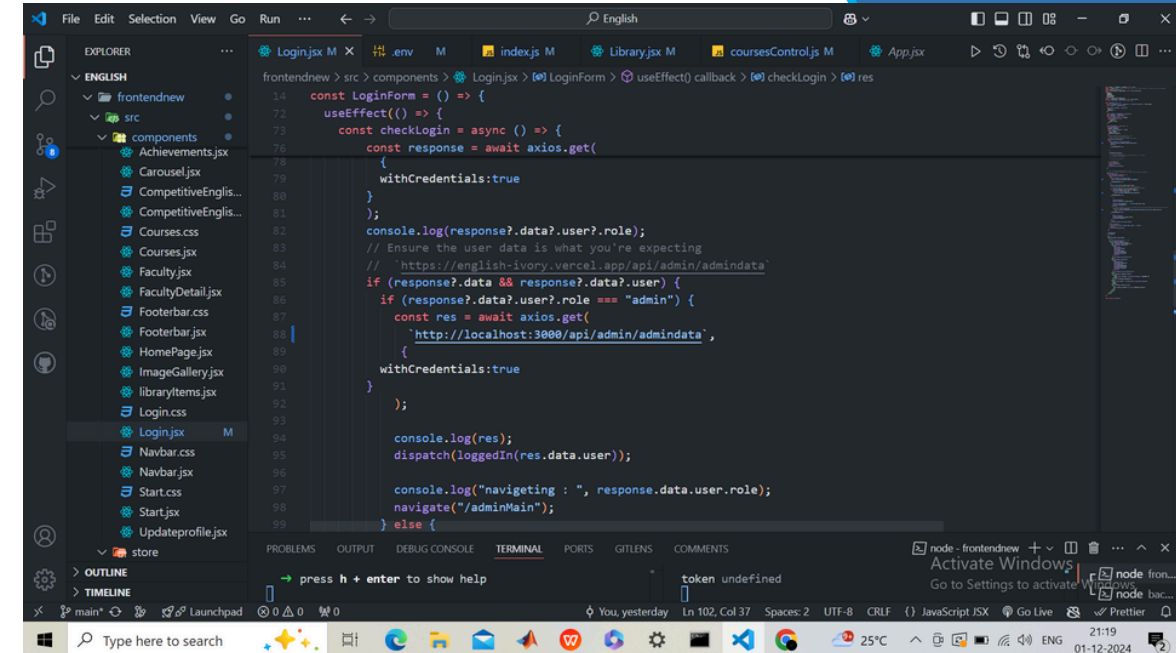
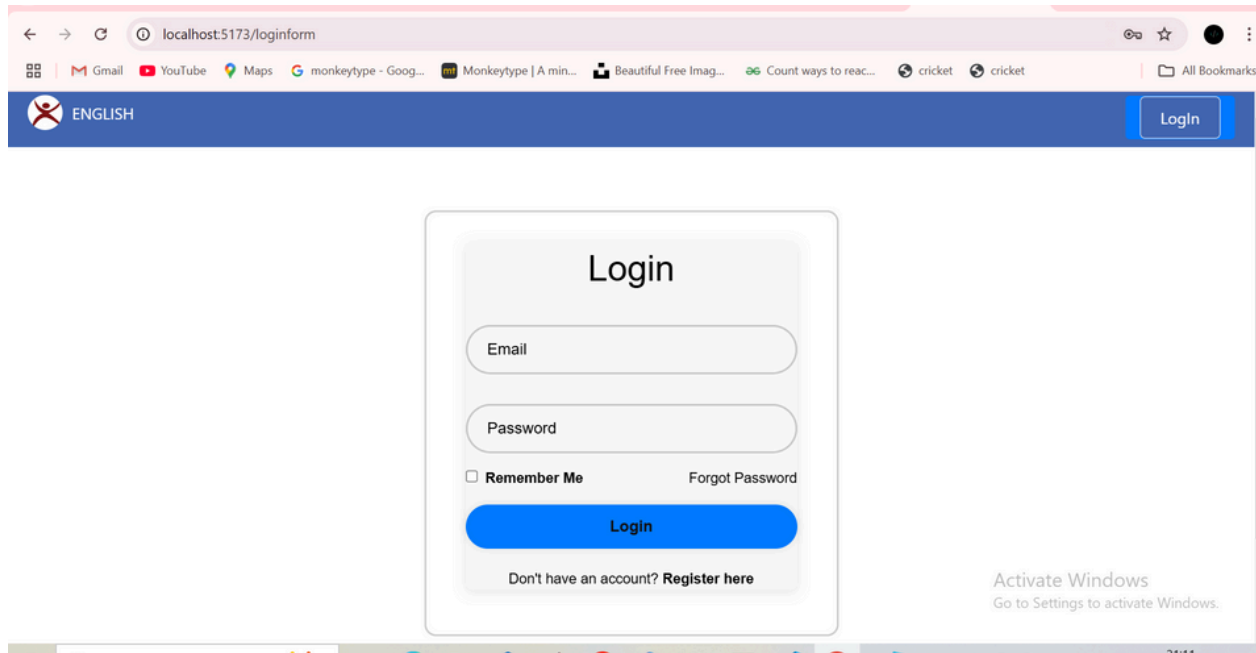
# Key Features for Students

-  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:

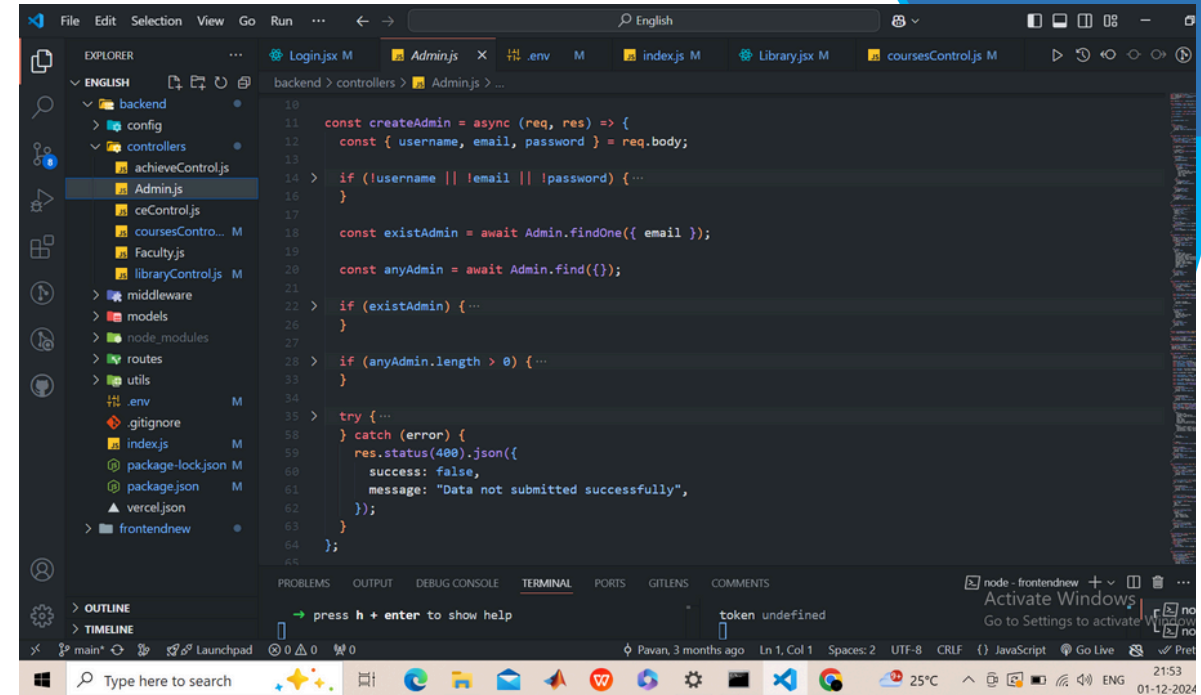
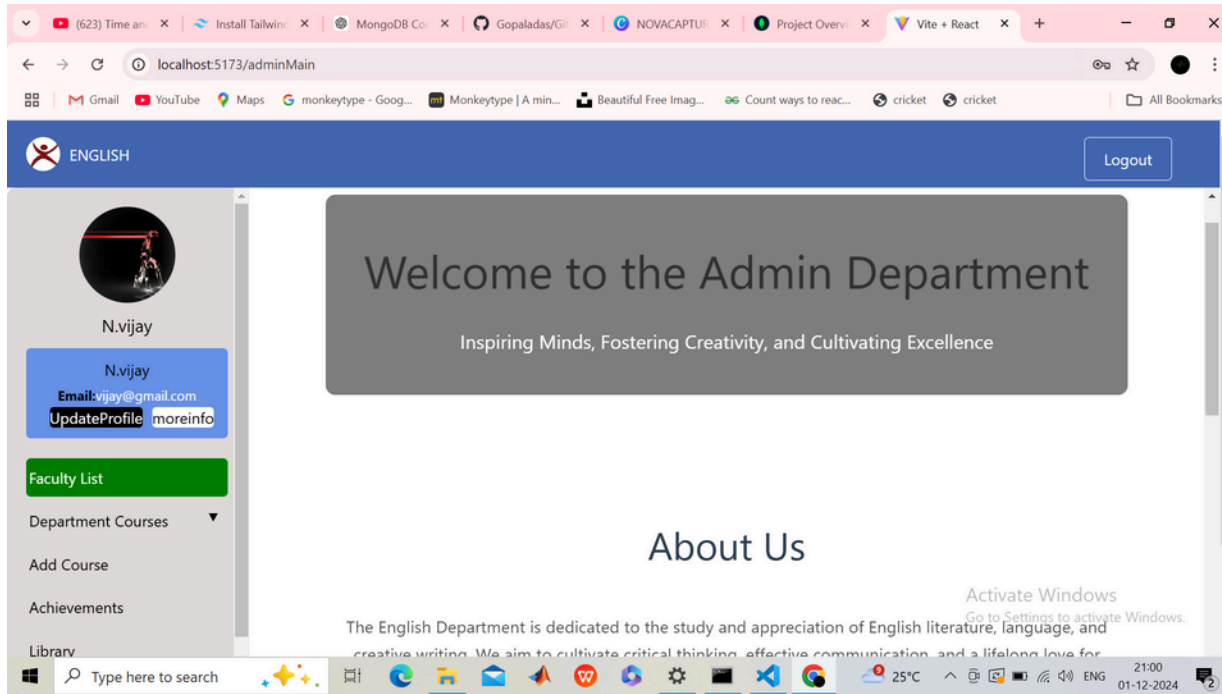
Authentication  
Redirection,Password  
Reset

### Security:

Hash  
passwords(e.g.  
using bcrypt).



# Admin Page



Admin Page :

User Management :

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

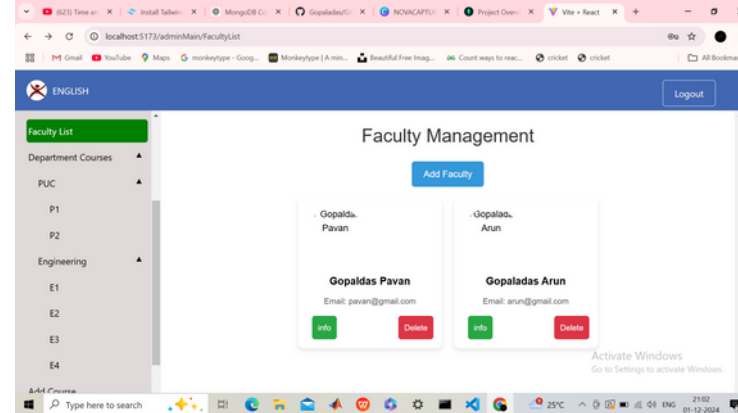
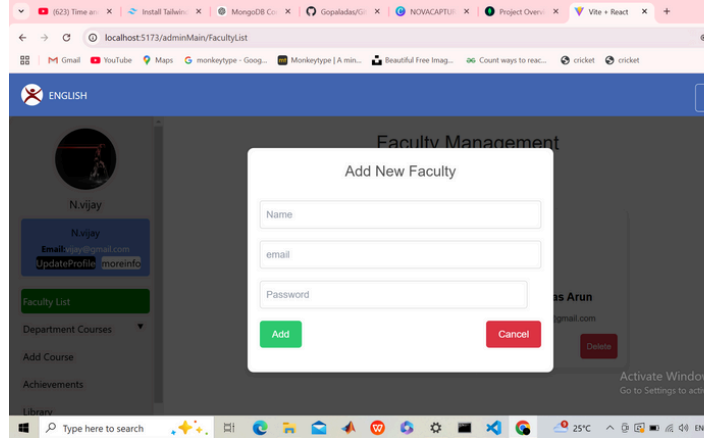
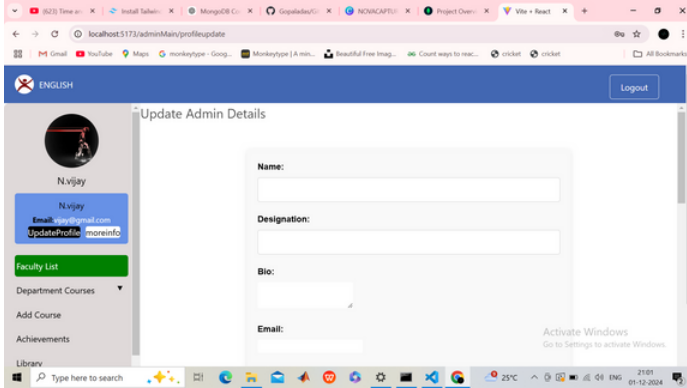
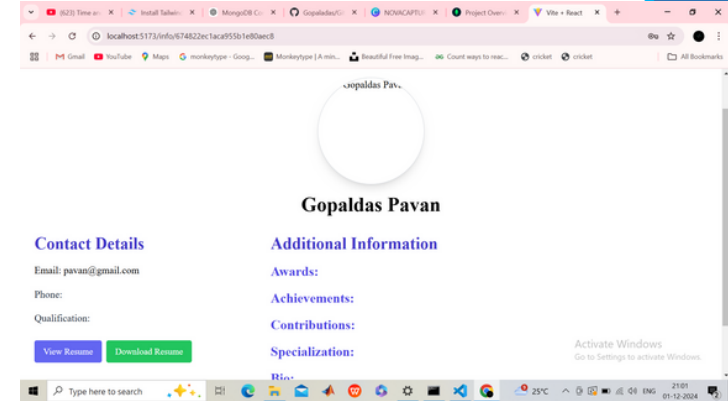
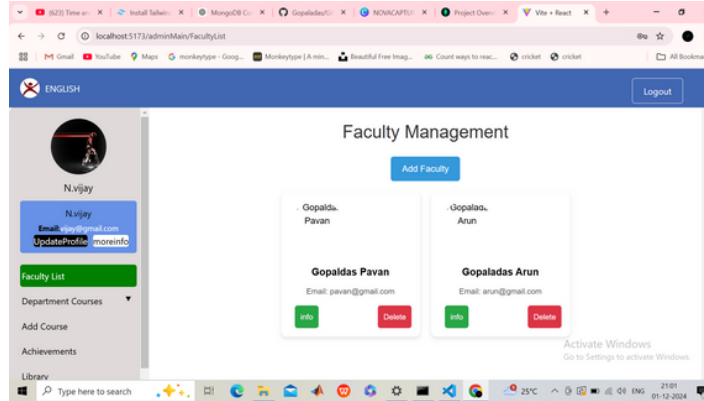
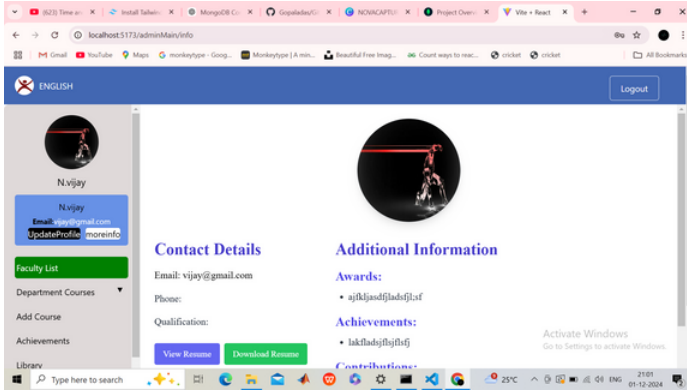
Resource Management:

- Upload Resources
- Edit/Delete Resources

Faculty Access Control:

- Upload resources.
- Announcements

# Pages



# 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:

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- Google Images
- Unsplash
- Pexels