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# Academic Project Allocation and Management System
# Project Id:-22

Ashvin Bari
Mehul Parmar
Jasvantsing Girase
Madhusudan Badgujar
Guided by Prof. Mr. Ashish T. Bhole

SSBT's College of Engineering & Technology,
Bambhori, Jalgaon - 425 001, Maharashtra, India

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# Introduction

- Third and fourth-year students collaborate with project mentors on academic projects, traditionally submitted in physical form and stored in a designated room.
- Limited administrative oversight with only basic project details (team names and titles) is proving insufficient.
- Imagine a website offering access to organized third and fourth-year student projects with comprehensive details, download options, and GitHub collaboration.
- This system helps newer students with projects and makes life easier for mentors and administrators by storing project information digitally and reducing paperwork.

# Motivation



## Existing System

- Manual Project Submission and Limited Information
- Absence of Digital Infrastructure
- Lack of Guidance and Duplication

## Proposed System

- Centralized Digital Hub
- Sharing and Collaboration
- Ease in Grading and Evaluation of Project
- Proper Guidance and Minimize Redundancy

# Problem Statement



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- The current project storage system for third and fourth-year students relies on physical means, leading to inefficiencies, limited project information access, and difficulties in knowledge sharing.
- so, there should be a project which aims to implement a digital platform that provides a comprehensive solution for project details, file storage, and collaboration opportunities, benefiting students, mentors, and administrators while promoting knowledge exchange and the development of unique project ideas.

# Scope

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The Scope of this project is to create an Academic Project Repository System (APRS) for managing, sharing, and collaborating on academic projects within college.

- **Project Submission and Repository**
- **Document and Code Sharing**
- **Reporting and Analytics**
- **Accurate Digital Records**
- **Feedback and Improvement Mechanisms**

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# Objectives

- **To reduce the effort of maintaining Excel files.**
- **To grants universal access to presentations, reports, and code.**
- **To establish transparency between project mentors and team members.**
- **It is easy to allocate students and project mentors.**
- **To provide proper guidance to our first-year and second-year students.**
- **To ensure project uniqueness.**

# System Architecture



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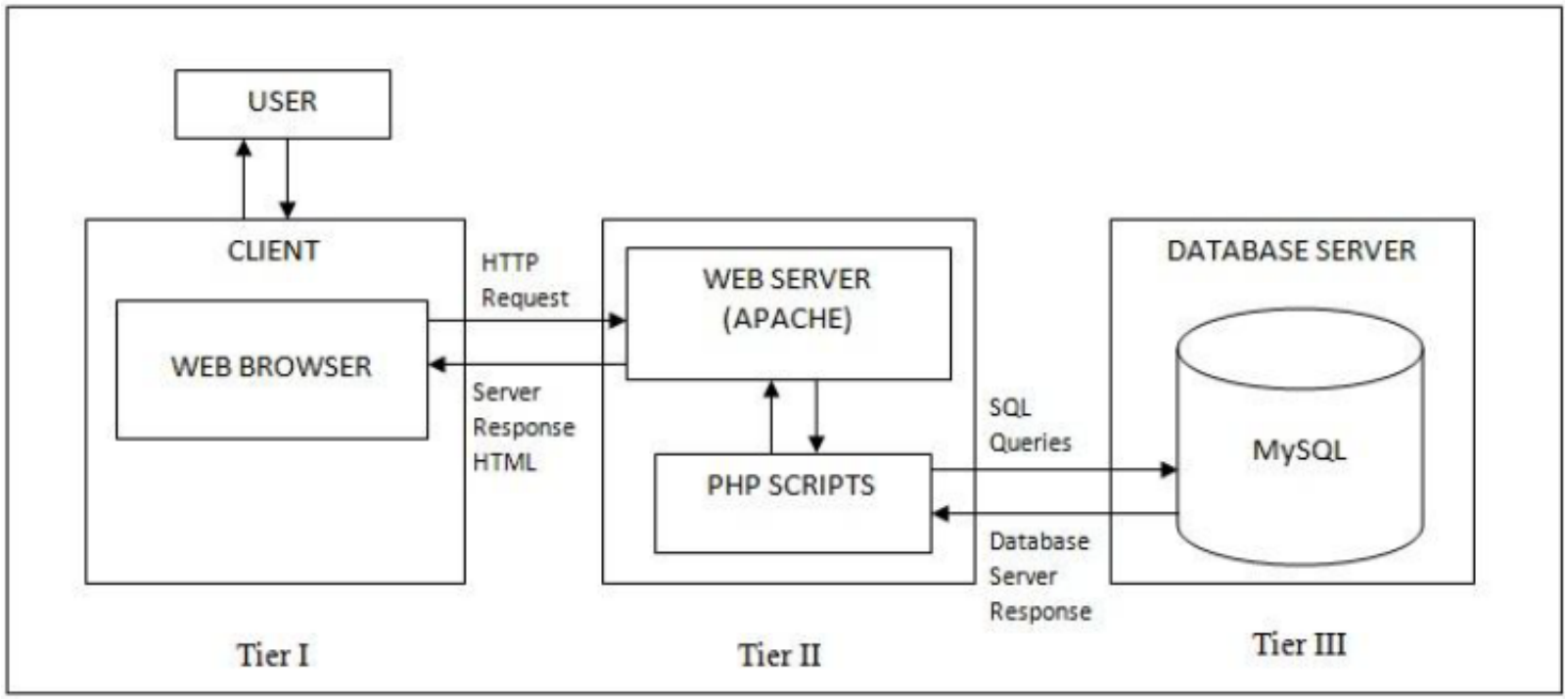

# Use Case Diagram



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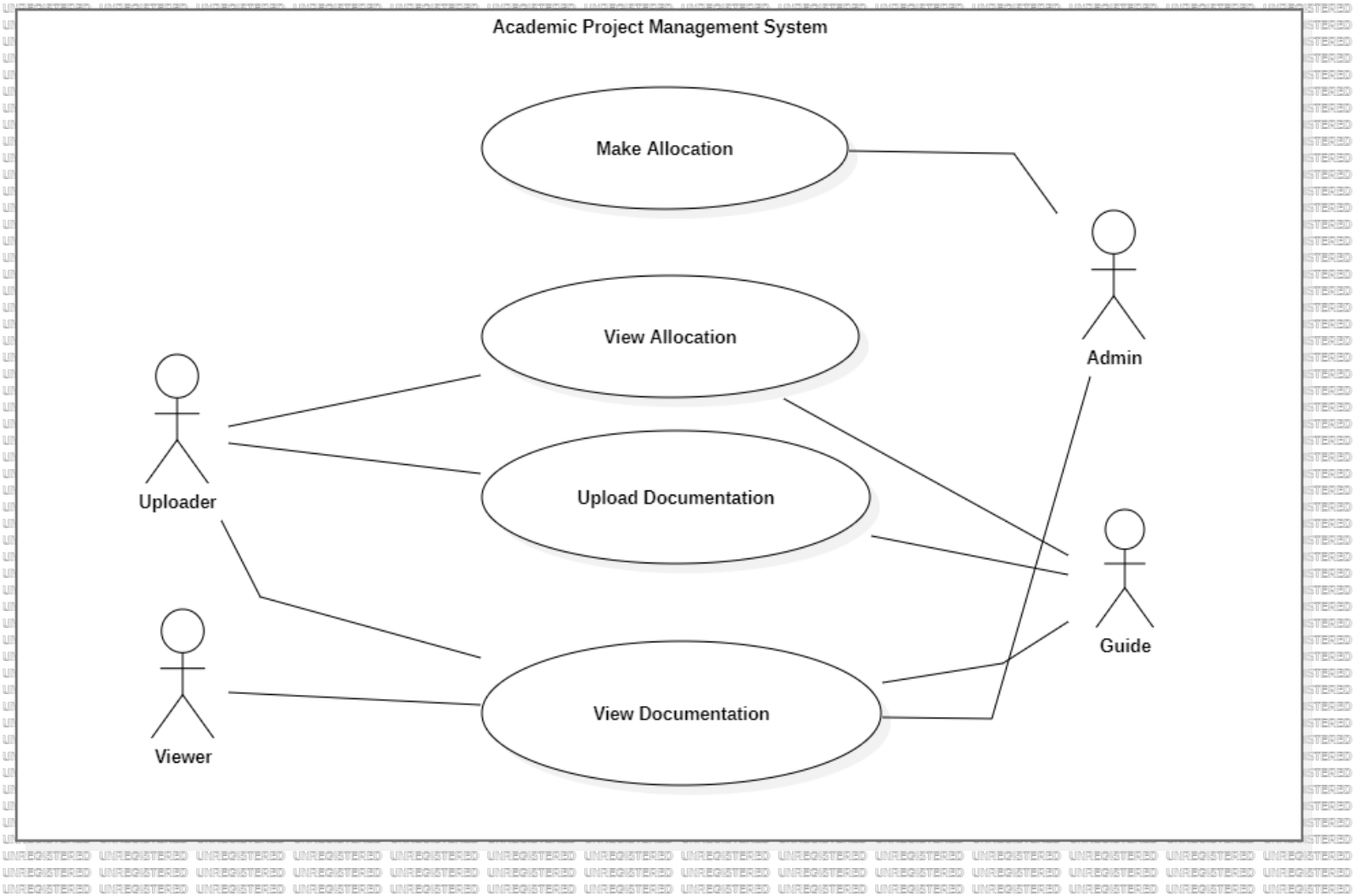


**Figure: Uses Case diagram**

# Class Diagram



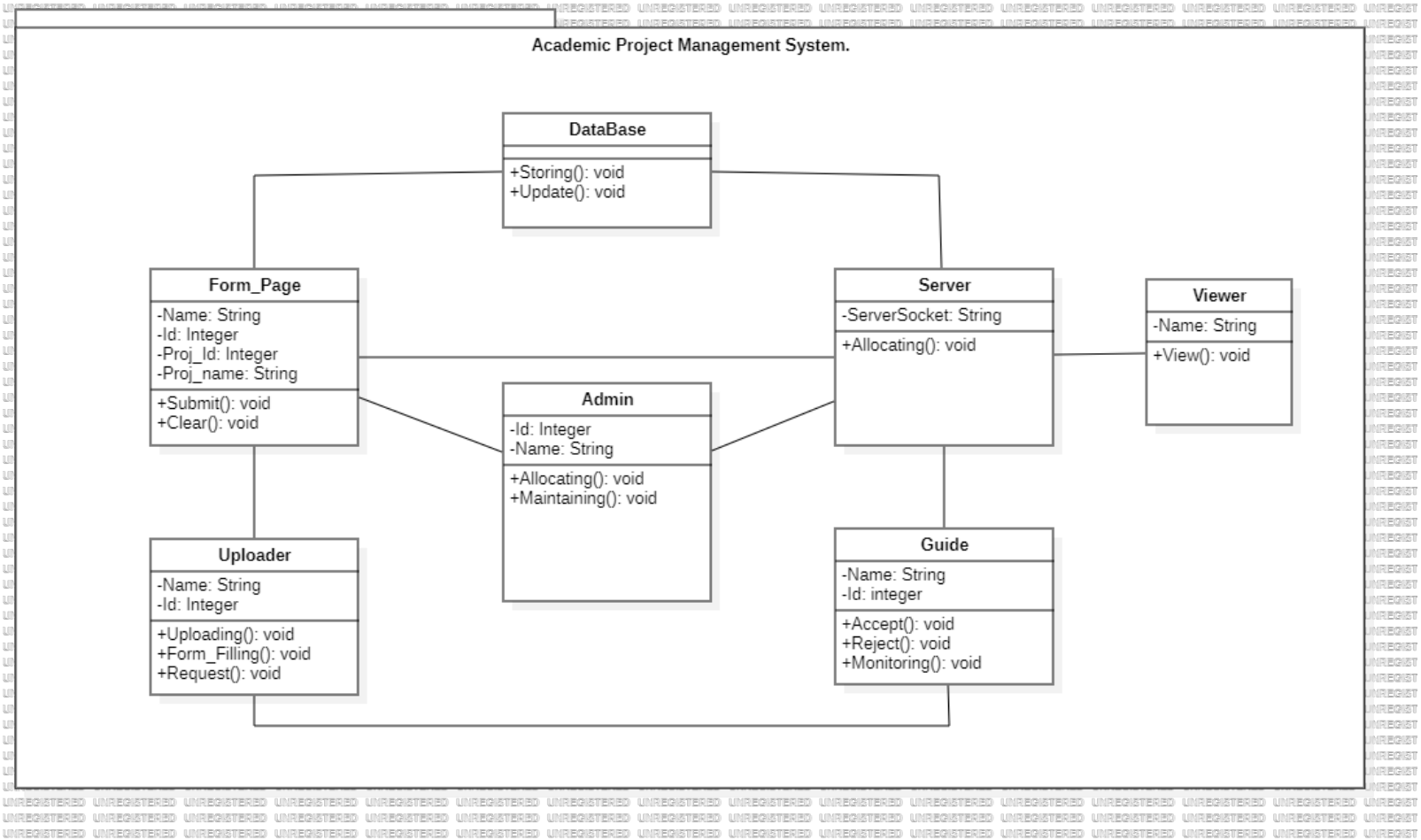


**Figure: Class Diagram**

# Deployment Diagram



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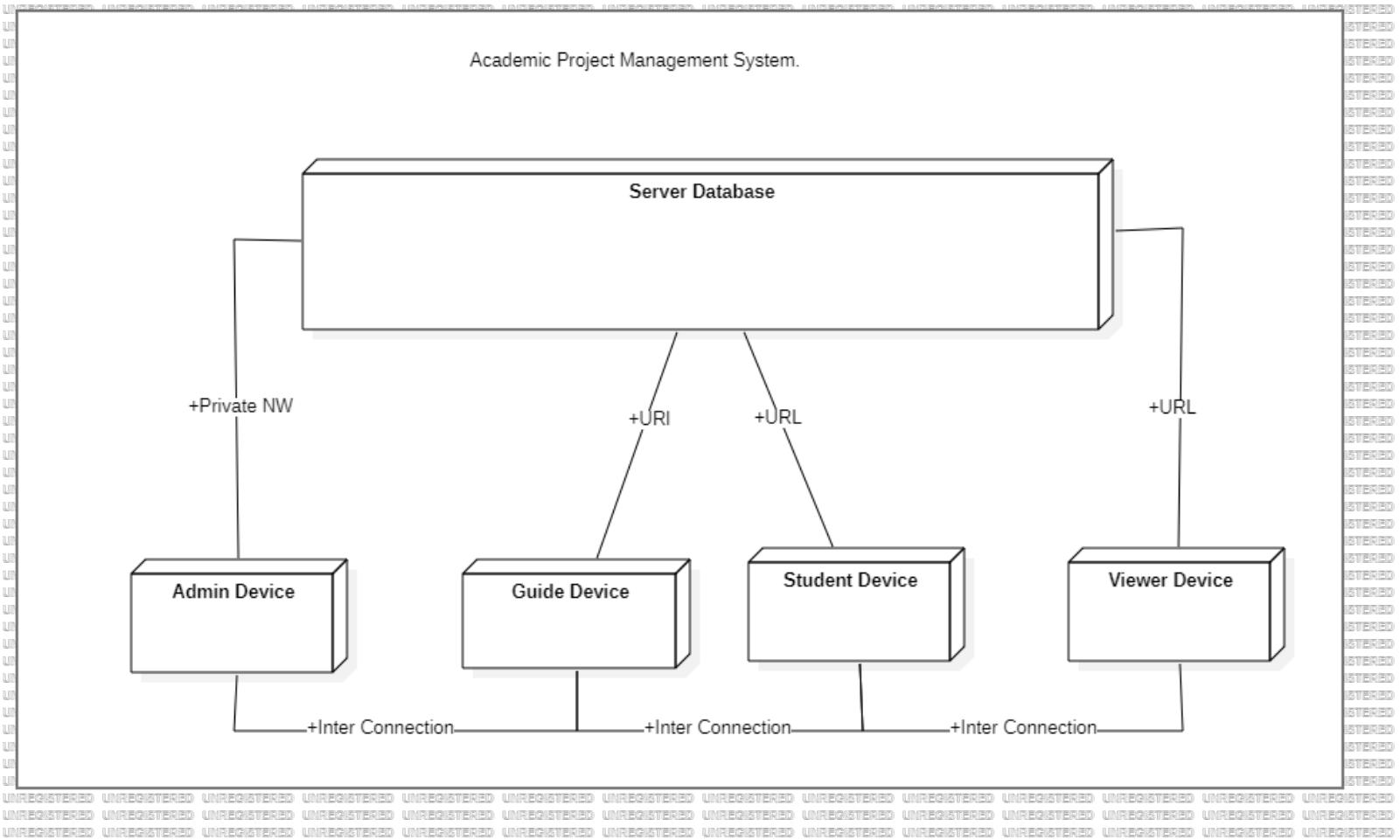


**Figure: Deployment Diagram**

# Project Scheduling



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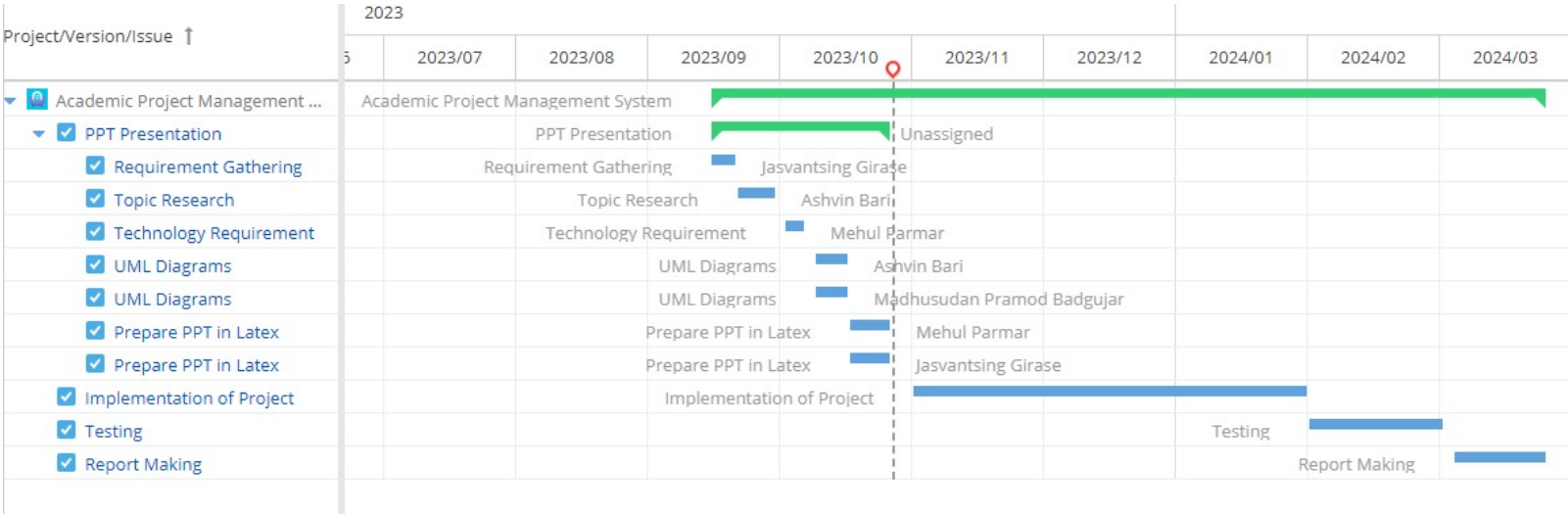


**Figure: Gantt Chart**

# Software & Hardware Requirements

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## Hardware Requirements:-

- Storage:- 100 GB or More
- CPU:- 2 to 3 MHZ is Sufficient
- RAM:-A minimum of 4 GB is Required
- Processor:-Intel Core i3 and i5 or AMD Ryzen for faster code compilation and application testing.

## Software Requirements:-

- Frontend:- HTML5,CSS3,ReactJS
- Backend:- NodeJS , Express for Handling Servers,PHP
- Database:- MySQL.
- API Testing:- Postman
- Deployment:-Heroku or AWS
- Authentication:- JWT or OAuth2.0

# Conclusion



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- Students can easily upload, edit, and access various project documents.
- The platform simplifies the project submission and approval process, making it accessible through our web application.
- Coordinators can easily provide feedback and guidance to students and can monitor project progress more effectively.
- The addition of a chat module allows students to interact seamlessly with faculty members.
- An integrated notification system is ready to deliver timely updates, reminders, and announcements regarding project deadlines and other important information.

# References




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