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E-FYPQA

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ABSTRACT :

This application aims to develop an E-FYPQA. This application will help FYPQA committee in student's final year project management. It will contain all the information, guidelines and notices regarding the final year projects. It will have admin, guide and student login. Admin will manage guide and student. Guide will be able to see only those groups allocated to them and uploaded Synopsis, Black book and videas by each student from each group. Students will able to see the guide allocated to them and can be able to upload and download their project related works.

This application aims to build a single platform for FYPQA committee to have ease of project development work between students and guides. This application will help students to interact with their guides and digitalize their documents.

INTRODUCTION :

PROBLEM DEFINITION

- Students and guide face a significant problem in managing final year project related documents such as synopsis, black book, ppt, videas, etc. So, this software will digitalize all the work like students can download and upload their project related work, guide can view students work and admin can manage students and guide like adding, updating and deleting students and guides.
- It provides students with a convenient online platform to present their projects, submit their black book, documents, videos, and other relevant materials in a digital format, replacing the need for traditional hardcopy submissions. Guide and students will have their login id to upload or check the submissions.
- The E-FYPQA system surpasses existing project submission methods by offering a comprehensive online platform.
- Unlike traditional hardcopy submissions, it streamlines the process, reduces paperwork, and enhances communication with features like project tracking, automated feedback, and collaborative tools.
- This modern solution provides a more efficient and user-friendly experience for students and faculty, significantly improving the existing approach. Students, faculty guides, and educational institutions will benefit from the E-FYPQA system's efficiency and convenience.

SCOPE OF PROJECT

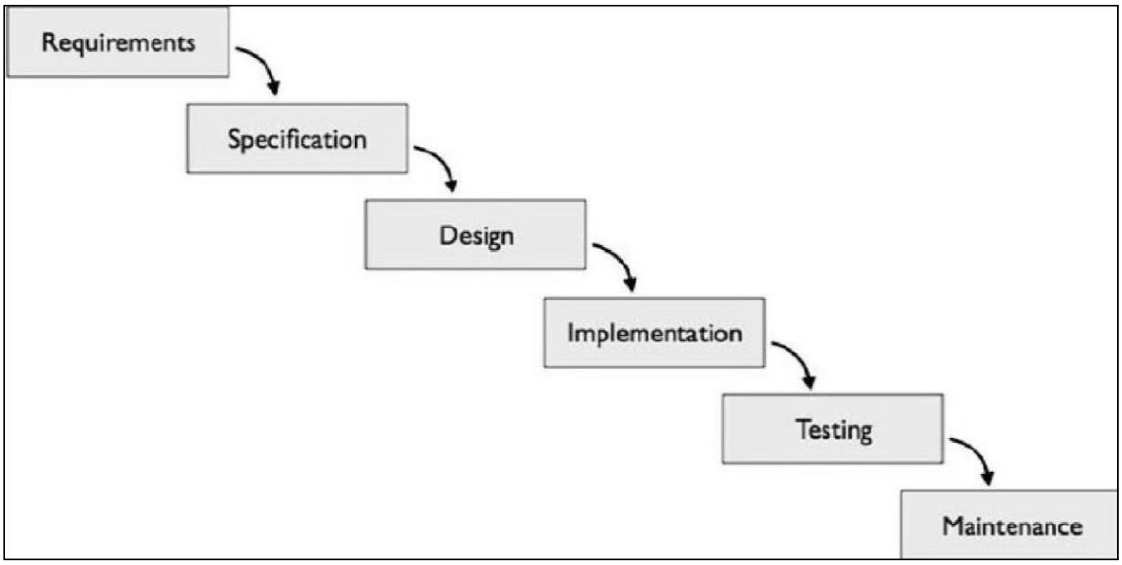
- The scope of our project, "E-FYPQA" (Final Year Project Quality Assurance System), is to make sure that the project we're working on is done really well and meets all the requirements.
- We'll create a plan to check every step of the project to make sure it's done right.
- This includes understanding what needs to be done, making a plan to do it correctly, using the right tools to keep track of our progress, testing everything to find any problems, and fixing them quickly.

PLAN OF WORK :

PROCESS MODEL: WATERFALL MODEL

The waterfall model is a breakdown of project activities into linear sequential phases, where each phase depends on the deliverables of the previous one and corresponds to a specialization of tasks. The approach is typical for certain areas of engineering design. In software development, it tends to be

among the less iterative and flexible approaches, as progress flows in largely one direction ("downwards" like a waterfall) through the phases of conception, initiation, analysis, design, construction, testing, deployment and maintenance.



Requirements Analysis:

- Description of the system requirements: The application aims to develop an E-FYPQA system for managing final year projects.
- Identification of user roles: Admin, guide, and student.
- Specification of features: Authentication, user management, project allocation, document management, communication tools, notifications, dashboard, reporting, guidelines, notices, and data security.

System Design:

- Design of the user interface: User-friendly interface for admin, guides, and students.
- Architecture design: Backend infrastructure for authentication, document storage, and communication features.

Implementation:

- Development of authentication and user management functionalities.
- Implementation of project allocation system.
- Creation of document management features including upload, download, and access controls.
- Integration of communication tools such as messaging or commenting systems.
- Implementation of notifications and alerts system.
- Development of dashboard and reporting functionalities.
- Creation of guidelines and notices repository.
- Implementation of data security measures.

Testing:

- Testing of each feature to ensure functionality and reliability.
- Verification of user roles and permissions.
- Testing of document management, communication, and notification systems.
- Evaluation of dashboard and reporting accuracy.
- Security testing to ensure data protection measures are effective.

Deployment:

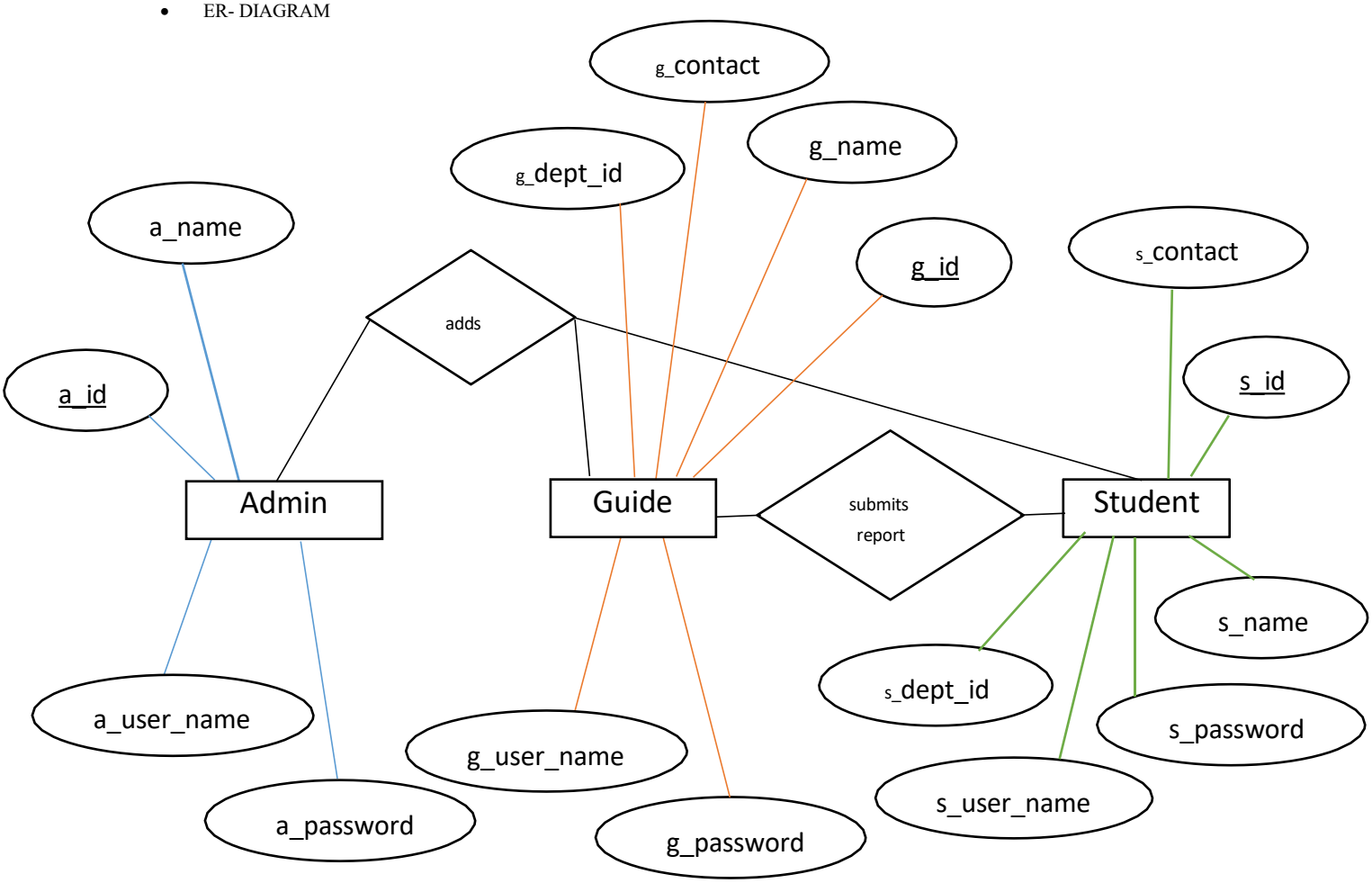
- Release of the E-FYPQA application to production environment.
- Configuration and setup of the application on servers.
- User training and onboarding for admin, guides, and students.
- Transition from development to operational phase.

Maintenance:

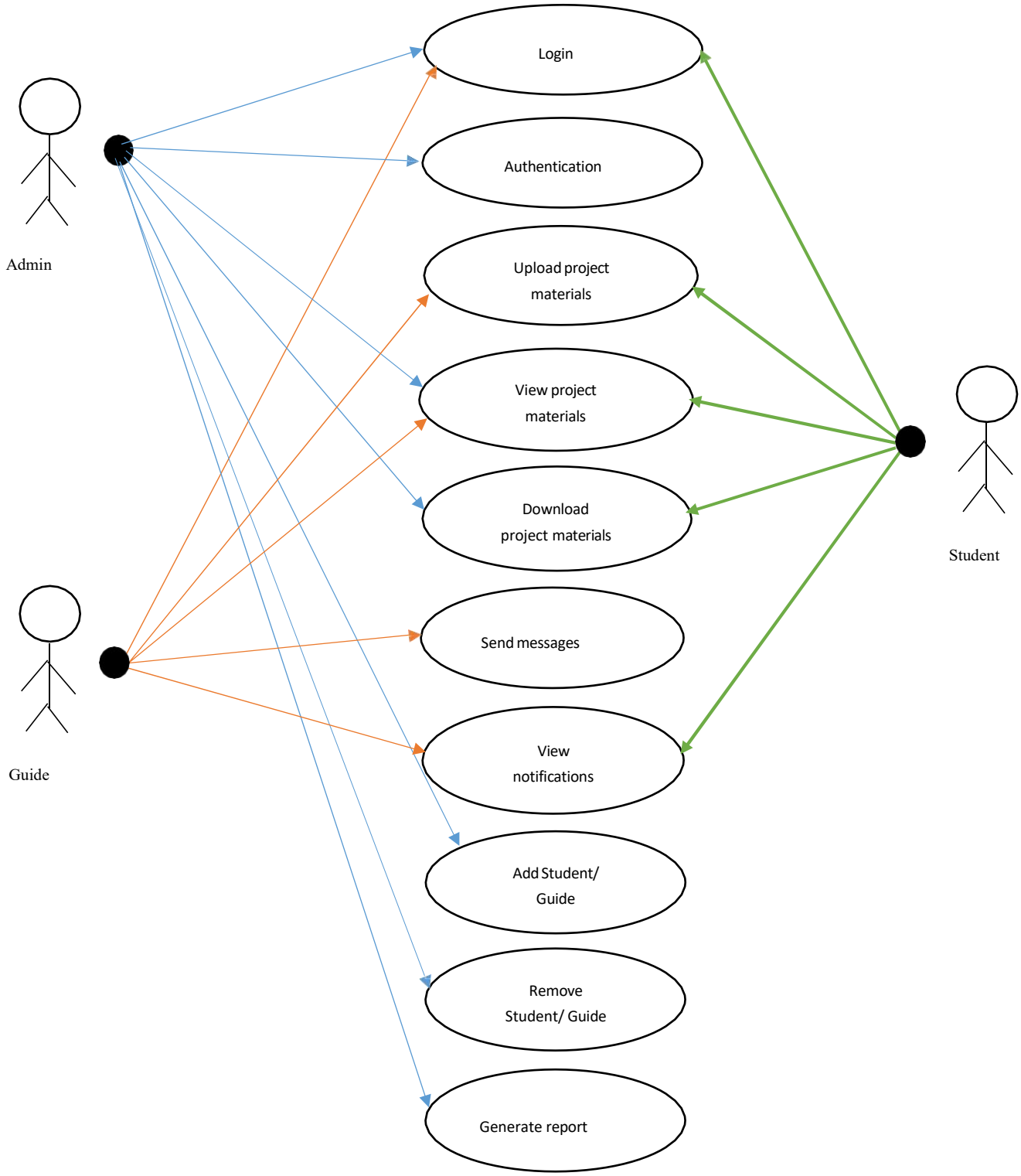
- Regular updates and maintenance to address user feedback and bug fixes.
- Monitoring and optimization of system performance.
- Implementation of new features or enhancements based on evolving requirements.
- Continuous improvement of the application based on user experience and changing needs.

DIAGRAM

- ER- DIAGRAM



➢ **USECASE DIAGRAM**



FEATURES AND APPLICATIONS :

ADVANTAGES:

- E-FYPQA website can provide clear and transparent guidelines on the submission process, including important dates, requirements, and expectations. This reduces confusion and helps students understand what is expected of them.
- The website includes a submission portal where students can upload their project work. This portal is secure, user-friendly, and support the submission of various file types.
- By providing comprehensive information and resources online, the website can reduce the administrative burden on staff.

APPLICATIONS:

- FYPQA finds application in educational institutions, transforming how final year projects are managed.
- Students benefit from easy digital submissions and improved guidance. Faculty guides experience streamlined evaluation and communication.
- Administrators gain insights into project quality.
- Ultimately, FYPQA elevates the quality and efficiency of final year projects in academic.

FUTURE SCOPE :

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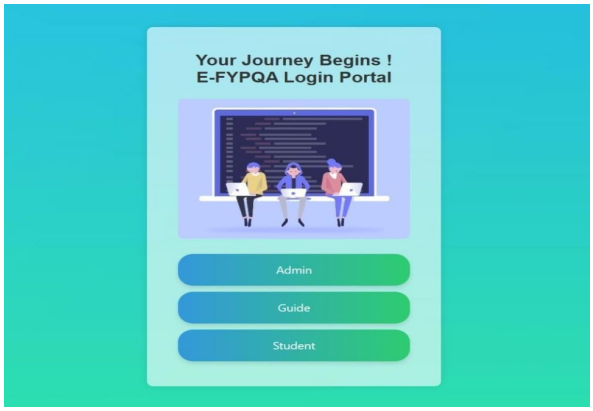
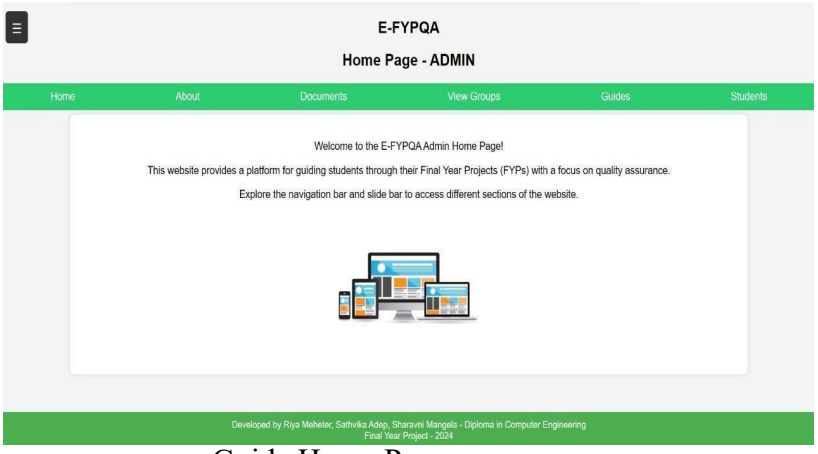
- The future scope of E-FYPQA is vast and includes widespread adoption in colleges and schools worldwide.
- It aims to make the project submission process more efficient and accessible for students and educators.
- E-FYPQA can become a standard tool, benefiting education by enhancing quality assurance, reducing paperwork, and supporting learning in diverse settings.

SCREENSHORTS

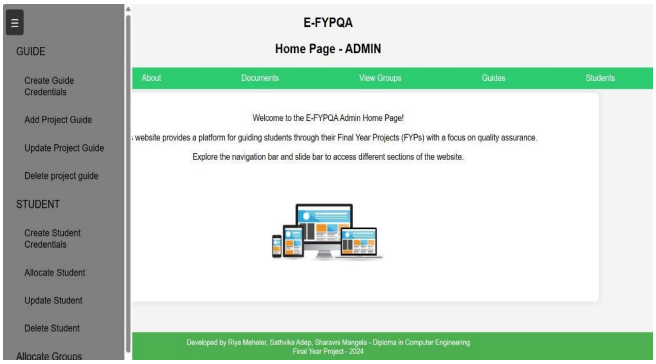
Login Portal of website(Admin, Guide, Student)



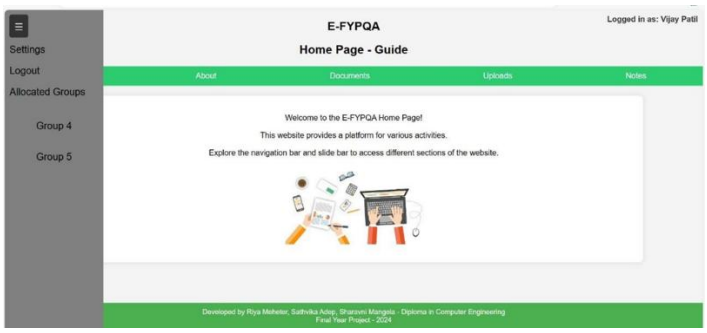
Home page of Admin

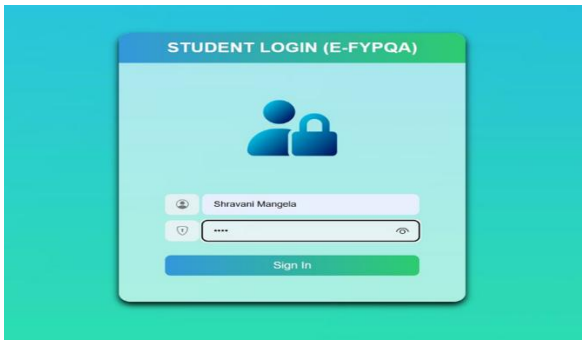


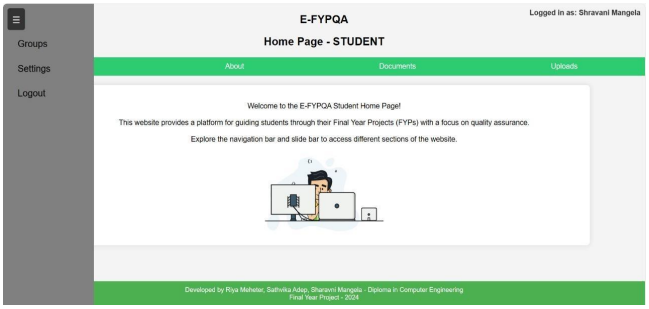
Admin home Slider contents

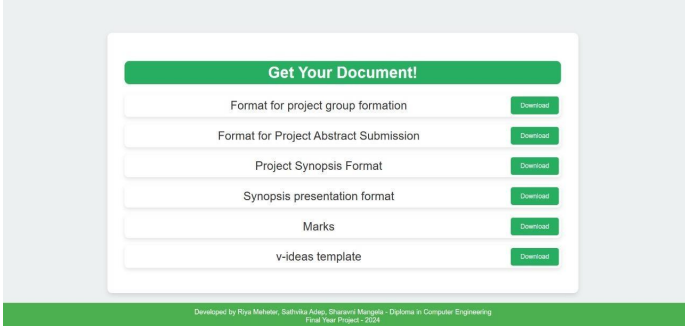


Guide Home Page



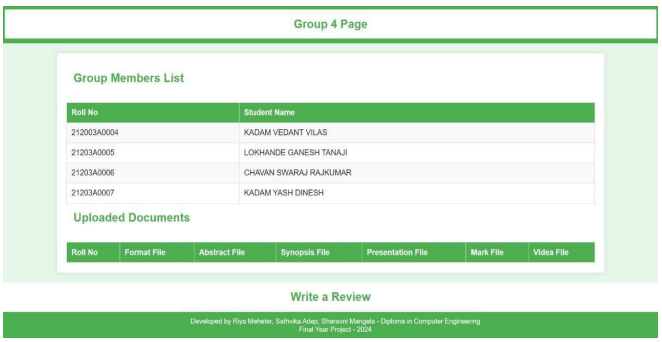






Uploading Page for studants

Group allocated page for guide



CONCLUSION :

- The Final Year Project Quality Assurance (E-FYPQA) system revolutionizes project submission and evaluation in education.
- It streamlines the process, replacing hardcopy submissions with an efficient digital platform.
- It enhances communication, automates feedback, and offers valuable insights.
- E-FYPQA makes the final year project experience more convenient for students, guides, and administrators.

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