

Final Year Project Report

on

“E-FYPQA ”

Submitted by

Riya Mehetar – 21203A0008

Sathvika Adep – 21203A0044

Shravani Mangela – 21203A0067

Under the guidance of

Prof. Sudhir Lawand

Head of the Department

Prof. Vijay Patil

Department of Computer Engineering



Vidyalankar Polytechnic Wadala (E), Mumbai – 400 037
Maharashtra State Board of Technical Education, Mumbai

(2023-2024)

Institute Vision

To achieve excellence in imparting **Technical Education** so as to meet the Professional and Societal needs.

Institute Mission

- Developing **technical skills** by imparting knowledge and providing hands on experience.
- Creating an environment that nurtures **ethics, leadership and team building**.
- Providing **industrial exposure** for minimizing the gap between academics & industry.

Program Vision

To empower students with domain knowledge of Computer Engineering and interpersonal skills to cater to the industrial and societal needs.

Program Mission

M1: Encouraging academic excellence and a passion for learning through the use of learner-oriented teaching methodologies.

M2: Providing an environment that inculcates ethics and effective soft-skills and focuses on the development of learners.

M3: Establishing and reinforcing a symbiotic institute-industry interface so that learners can gain exposure to real-life applications of Information Technology.

Program Education Objectives

PEO1: To empower the students to apply their knowledge of various domains and cultivate a habit of life-long learning in them.

PEO2: To develop the students' overall personality and thereby encourage just social behaviour in the student.

Program Outcomes

Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

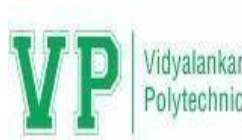
Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

Program Specific Outcomes

PSO1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.



Certificate

This is to certify that the following students

Riya Mehatar
Sathvika Adep
Shravani Mangela

Have completed the Project on
E-FYPQA

A partial fulfilment of the requirement of Third Year Diploma in Computer Engineering affiliated to Maharashtra State Board of Technical Education, Mumbai for the Academic Year 2023-24.

Internal Examiner

External Examiner

Project Guide

Head of Department

Principal

Acknowledgement

This project is a huge team effort. My team and I extend our deepest gratitude and thanks to the following people who have helped us to achieve our work.

Special thanks to our project guide Prof. Sudhir Lawand for guiding us and helping in time when we needed most. We got to learn many things from him, and it was our pleasure to work with him. My team and I extend thanks to the faculties of our college whom we have approached for academic help with regards to our project. We also would like to thank our HOD Prof. Vijay Patil and Principal Dr. Ashish Ukidve for their support and guidance.

(Riya Mehetar)
(Sathvika Adep)
(Shravani Mangela)

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 videos by each student from each group. Students will be 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.

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CHAPTER 1

INTRODUCTION

1.1 PROBLEM DEFINITION:

- Students and guide face a significant problem in managing final year project related documents such as synopsis, black book, ppt, videos, 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.

1.2 INITIAL INVESTIGATION:

- A Final Year Project Quality Assurance (E-FYPQA) system is a comprehensive digital platform designed to streamline the entire process of final year project submission and evaluation.
- 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.
- Furthermore, the E-FYPQA system goes beyond just document submission, offering an array of additional features aimed at enhancing the experience for both students and faculty guide.
- By transitioning the final year project process into a digital format, the E-FYPQA system not only reduces paperwork but also provides a more efficient, transparent, and user-friendly experience for all involved parties.
- This digital transformation is especially beneficial in a world increasingly reliant on online and remote technologies, making the final year project submission and evaluation process more accessible and manageable.

1.3 SCOPE OF THE 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.

CHAPTER 2

REVIEW OF LITERATURE

❖ **Learning PHP, MySQL & JavaScript: A Step-by-Step Guide to Creating Dynamic Websites, Sixth Edition (Grayscale Indian Edition) Book**

MySQL Database: Database fundamentals, SQL queries, designing and managing databases, and integrating MySQL with PHP.

- The book aims to provide a comprehensive understanding of MySQL as a database solution and how it seamlessly integrates with PHP for building dynamic and interactive websites. Readers can expect hands-on examples and real-world scenarios to reinforce their knowledge and skills in working with MySQL databases within a web development context.
- Practical examples and step-by-step guides on integrating MySQL with PHP for dynamic web applications. This includes connecting to a MySQL database from PHP, executing SQL queries within PHP code, and handling data retrieved from the database.

Responsive Design and User Experience: Techniques for designing websites that adapt to various devices and enhancing user experience give short review on this topic from the book in short note

- This section equips readers with the knowledge and practical skills needed to design and implement responsive websites that prioritize user experience. The emphasis on real-world application within the Indian context enhances the relevance of the techniques discussed. It's a valuable resource for web developers aiming to create modern, user-friendly interfaces that cater to the diverse device landscape.

❖ **PHP AND MYSQL: SERVER-SIDE WEB DEVELOPMENT by Jon Duckett-**

- The author takes you through setting up your development environment, explains PHP and MySQL concepts, and shows you how to connect them to create interactive websites. You'll learn about handling form data, managing user sessions, and even building a basic Content Management System (CMS).
- The book is beginner-friendly, but it might not delve deeply into advanced topics. It's a good starting point, especially if you prefer a visually engaging and hands-on approach to learning web development with PHP and MySQL. Keep in mind to check for the latest edition for the most current information.

CHAPTER 3

PLAN OF WORK

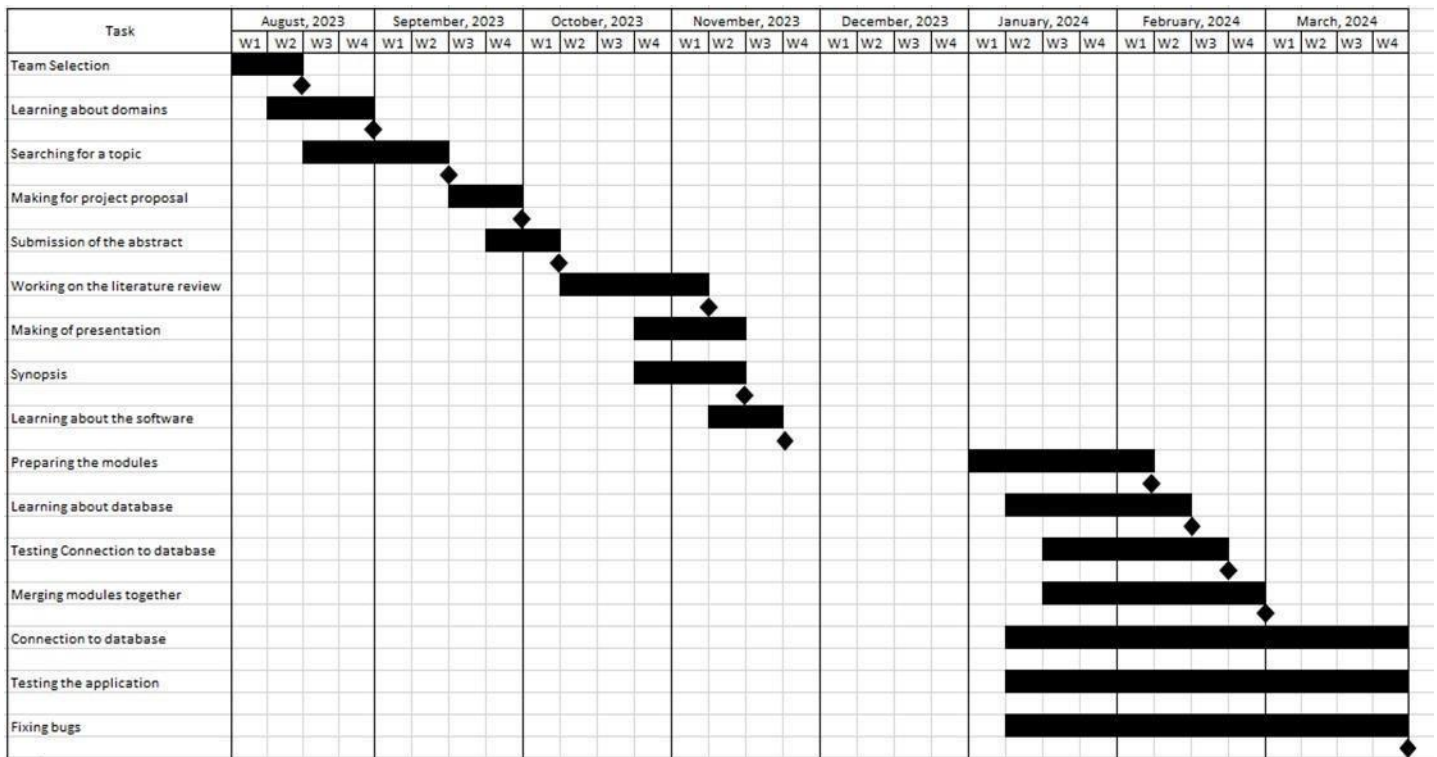


Fig: 3.1 Gantt chart

3.1 SOFTWARE DEVELOPMENT LIFE CYCLE:

SDLC is a process followed for a software project, within a software organization. It consists of a detailed plan describing how to develop, maintain, replace and alter or enhance specific software. The life cycle defines a methodology for improving the quality of software and the overall development process.

SDLC usually begins with determining customer business needs, which is followed by implementation and testing. The cycle ends when all requirements have been fulfilled.

The System Development Life Cycle (SDLC) has five phases: The Planning phase, the Analysis phase, the Design phase, the Implementation phase and the Maintenance Planning of the SDLC.

Requirement Analysis:

- This phase involves gathering detailed requirements from stakeholders such as the FYPQA committee, administrators, guides, and students. This includes understanding their needs, objectives, functionalities required, and constraints of the system.

System Design:

- This phase involves designing the system architecture, database schema, user interfaces, and functionalities based on the gathered requirements. It includes creating detailed technical specifications and selecting appropriate technologies for implementation.

Implementation:

- Actual coding and development of the E-FYPQA application take place in this phase. Developers implement the design specifications using chosen programming languages, frameworks, and tools. Features such as admin, guide, and student login, file upload/download functionalities, and database interactions are developed and integrated.

Testing:

- Once development is complete, the system undergoes rigorous testing to identify and fix any defects or bugs. This includes unit testing, integration testing, system testing, and user acceptance testing (UAT) to ensure that the application meets the specified requirements and functions correctly.

Deployment:

- After successful testing, the E-FYPQA application is deployed to a production environment where it can be accessed by users. This involves setting up servers, databases, and necessary infrastructure, and configuring the system for optimal performance and security.

Maintenance and Support:

- Post-deployment, the application requires ongoing maintenance and support to address any issues, add new features, and ensure smooth operation. Regular updates, patches, and enhancements may be released based on user feedback and changing requirements.

1. Process Model

There are different types of models used by a software team to do their work systematic that is step by step. The original process models have certainly given a guidance or roadmap for the whole software development process or software engineering.

The process models are properly structured so that at least structure of the process can be understood. The different process models are:

- Waterfall Model
- Incremental Model
- RAD Model
- Prototype Model
- Spiral Model

We have chosen the **Waterfall Model** for development of our project.

2. 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.

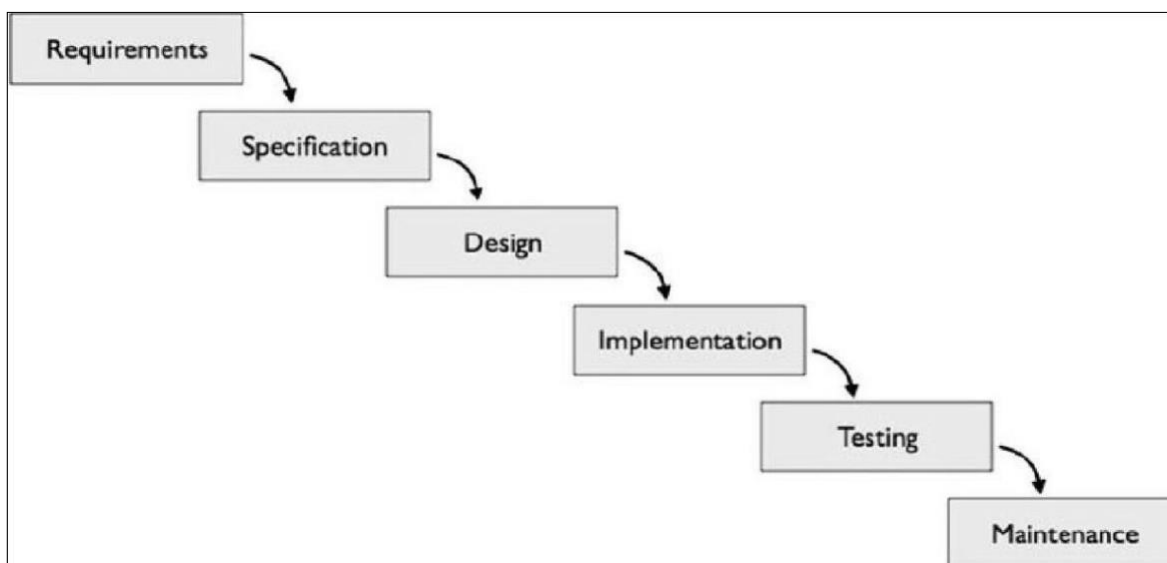


Fig: 3.2 Waterfall Model

Following is a detailed phase-wise explanation of how waterfall model was used in developing the project:

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.

CHAPTER 4

SYSTEM REQUIREMENTS

4.1 HARDWARE REQUIREMENTS:

Name of the component	Specification
Processor	Intel(R) Core(TM) i5-6200U , 11th Gen Intel(R) Core(TM) i3-1115G4 @ 3.00GHz 3.00 GHz
RAM	8GB

4.2 SOFTWARE REQUIREMENTS:

Name of the component	Specification
Operating System	Windows 10
Language	PHP
Database	MySQL
Browser	Chrome
Code Editor	VS code and notepad++
Webserver	XAMPP server

CHAPTER 5

DESIGNING

5.1 USE CASE DIAGRAM:

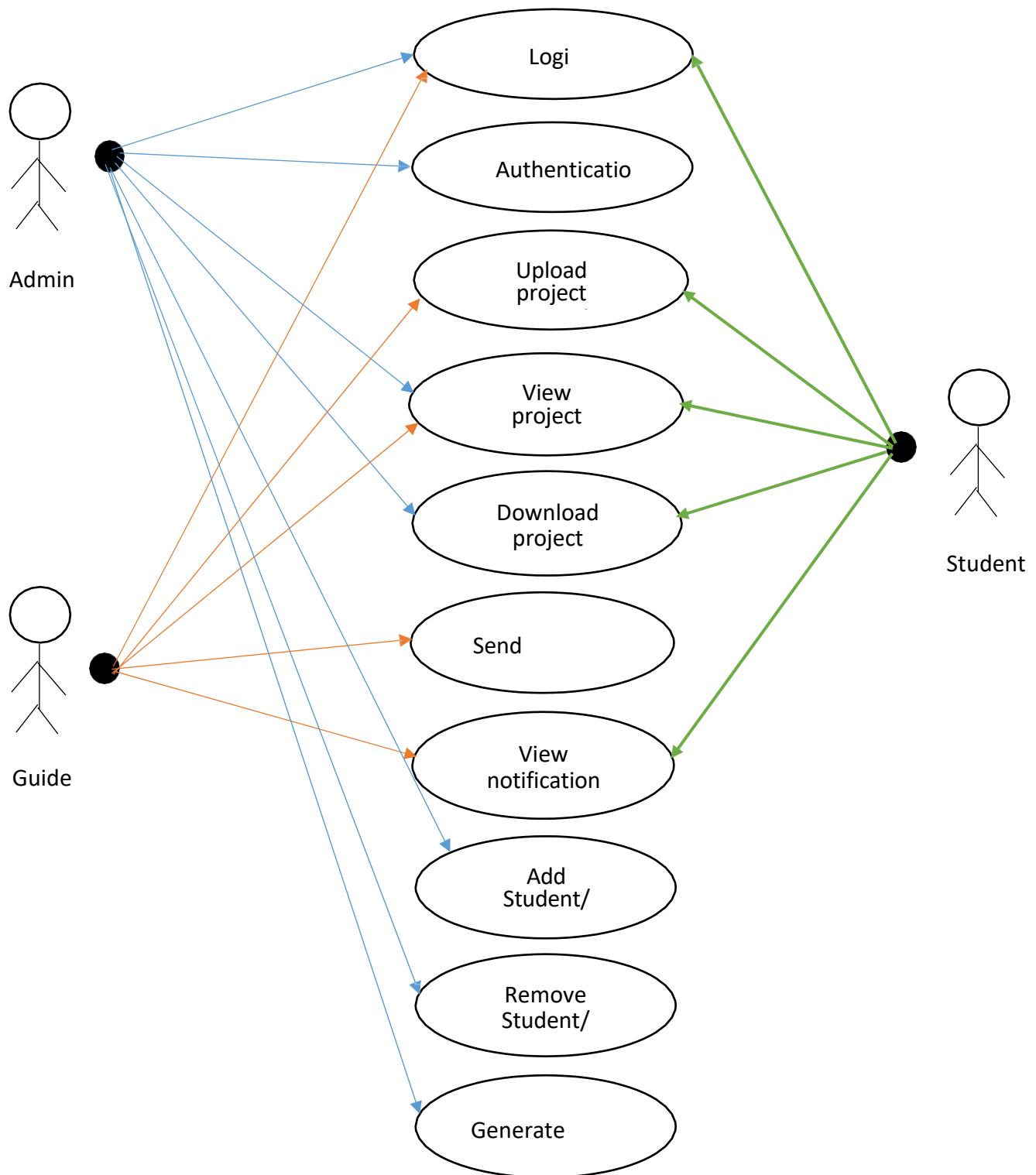


Fig: 5.1 Use case diagram

5.2 FLOWCHART:

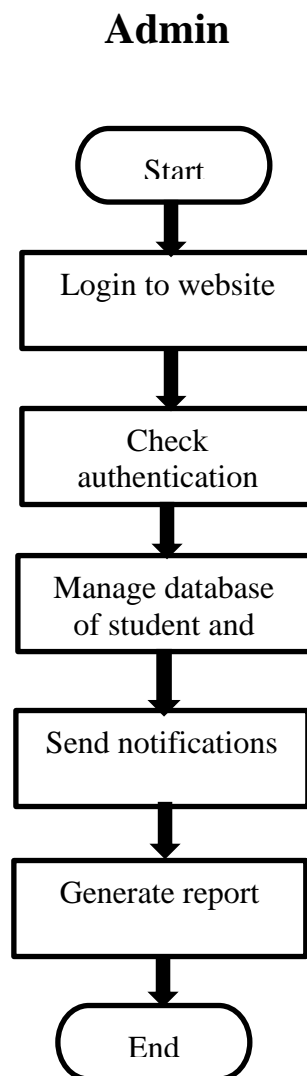


Fig: 5.2.a Flow chart

Guide

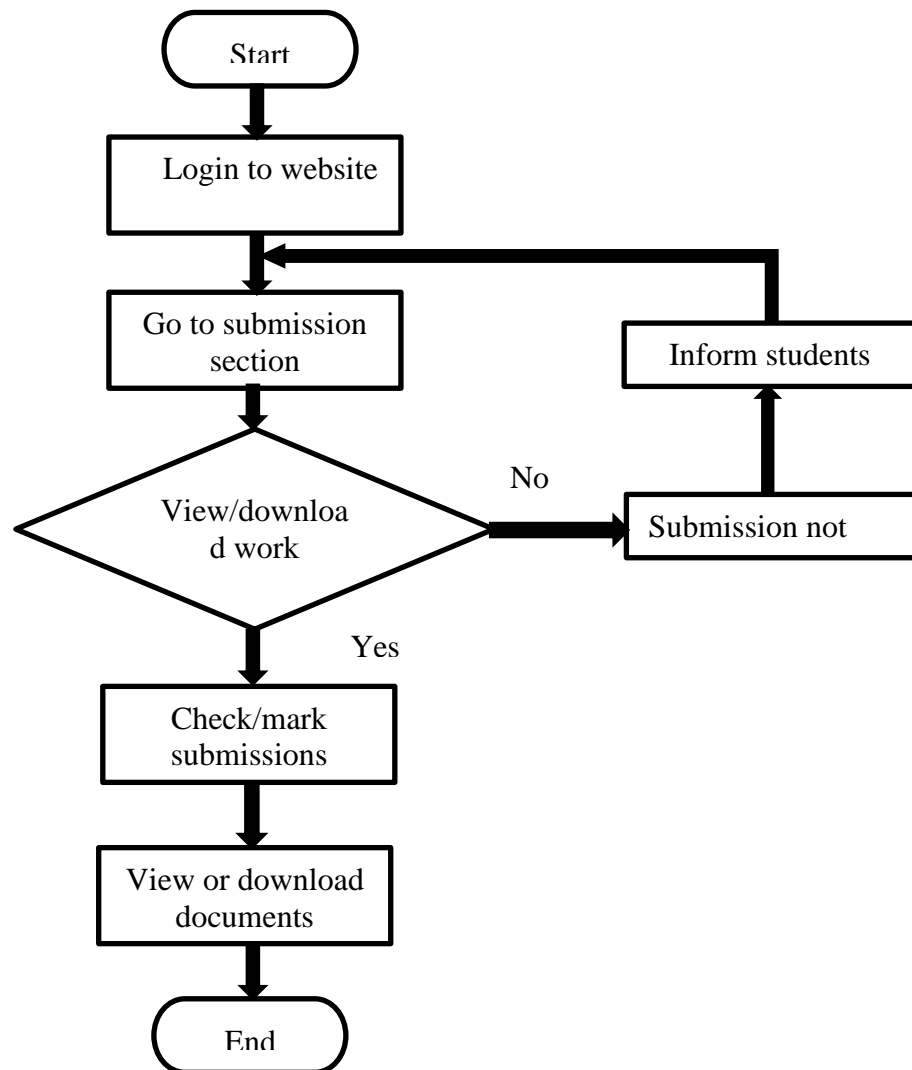


Fig: 5.2.b Flow chart

Student

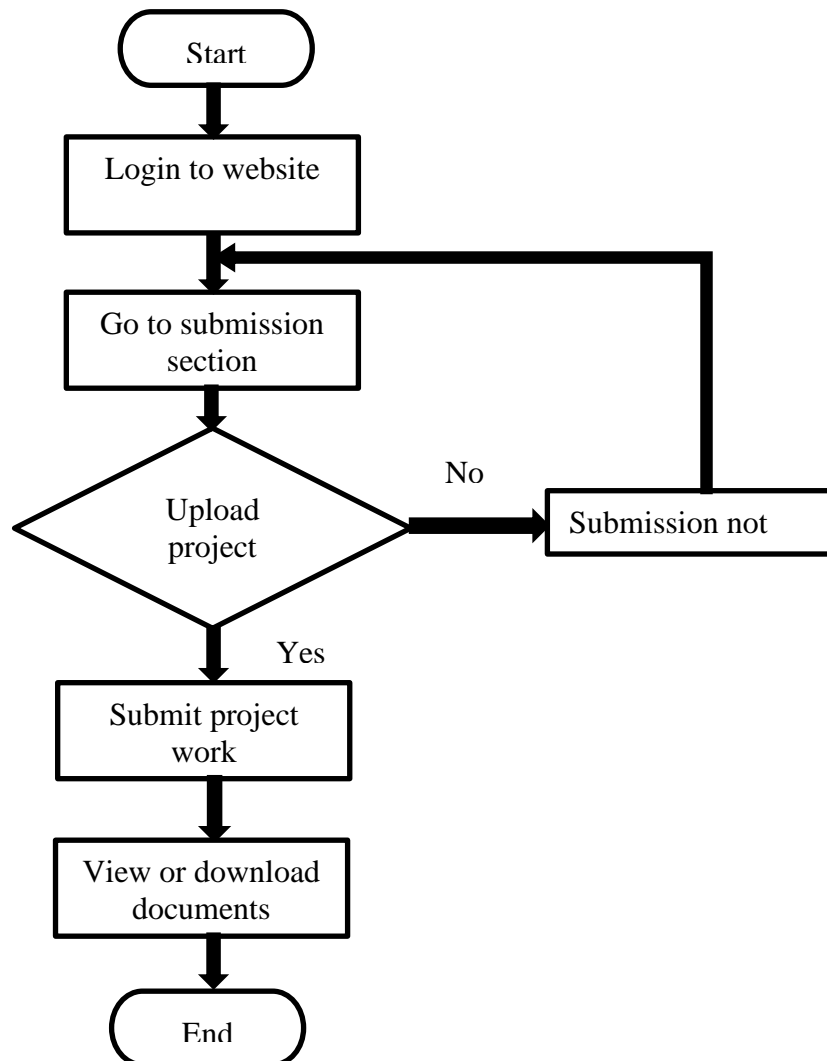


Fig: 5.2.c Flow chart

5.3 ER Diagram:

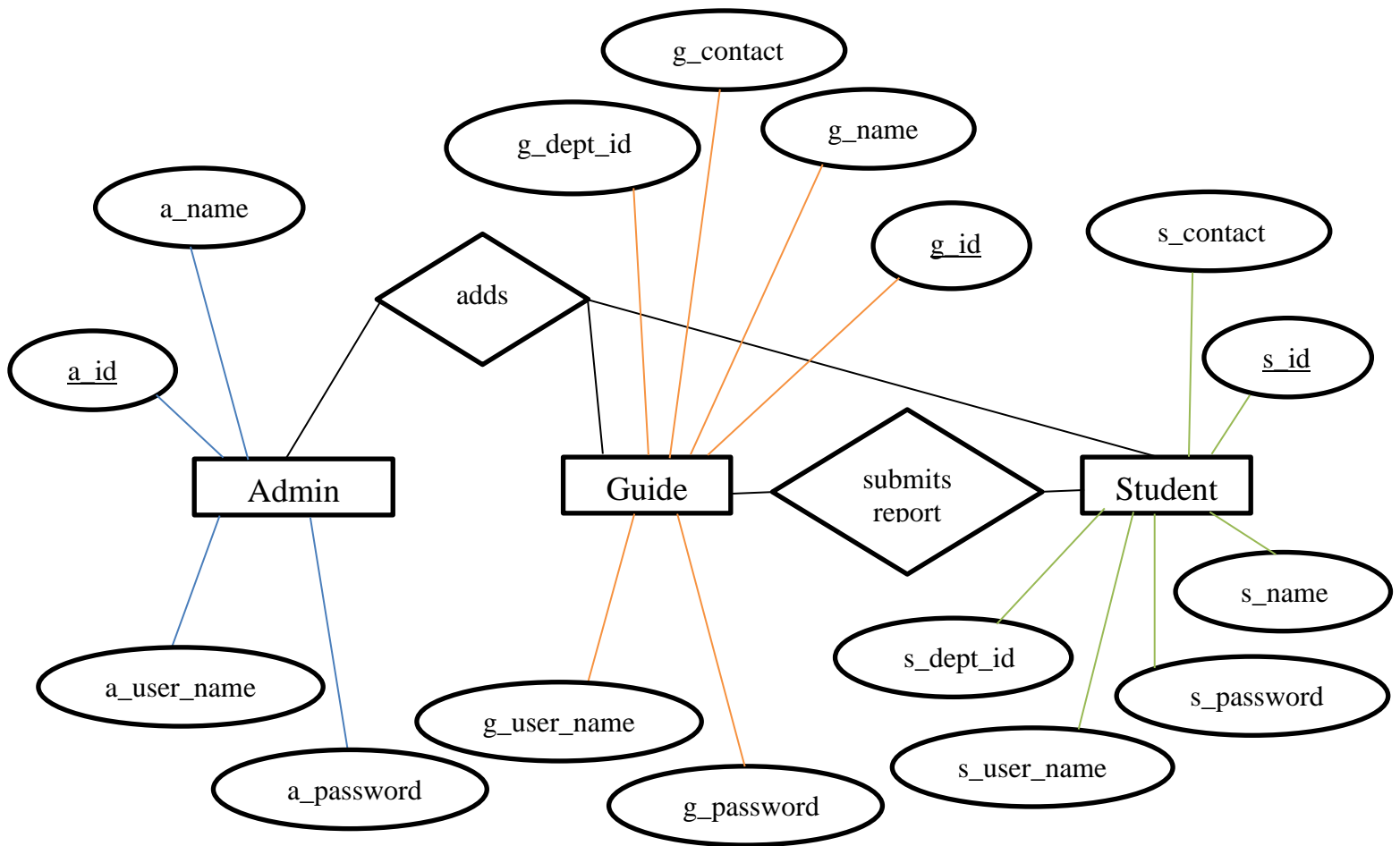


Fig: 5.3 ER Diagram

CHAPTER 6

MODULE DESCRIPTION

MODULE DISCRIPTION:

- There are three users involved in the system, the users are student who upload the document, the guide who will view the uploaded documents, the admin who will administrate the web application.

Admin

- To be able to create, update and solve query in order to manage system.
- To be able to view project material.
- To be able to download project material.
- To be able to send notifications.
- To be able to remove Student/ Guide.
- To be able to generate report.

Guide

- To be able to register as part of user.
- To be able to login.
- To be able to upload project material.
- To be able to view project material.
- To be able to download project material.
- to be able to view notifications.

Student

- To be able to register as a part of system.
- To be able to login properly.
- Should be able to upload project material.
- To be able to view project material.
- To be able to ask question through the system.
- View notifications.

CHAPTER 7

TESTING

7. TESTING:

Software testing is a process, to evaluate the functionality of a software application with an intent to find whether the developed software met the specified requirements or not and to identify the defects to ensure that the product is defect free in order to produce the quality product.

7.1 TEST CASES

Admin

TC no.	Test case	Input data	Expected output	Actual output	Status
1	Login (Username and password is correct)	Enter valid username: Manisha Enter valid password: 1234	It should redirect to the home page of admin.	It redirected to the home page of admin.	Pass
2	Login (Username and password is incorrect)	Enter valid username: Manisha Enter valid password: “ “	It should show pop up message “Enter valid username or password”.	It should showed pop up message “Enter valid username or password”.	Pass
3	About	Click on about link in navigation bar.	The link should be clickable and it should redirect to the about page.	The link is clickable and it redirected to the about page.	Pass
4	Documents	Click on documents link in navigation bar.	The link should be clickable and it should redirect to the documents page to download documents.	The link is clickable and it redirected to the documents page to download documents.	Pass
5	Documents (Download)	Click on download button.	The button should be clickable and it should download the selected document.	The button is clickable and it downloaded the selected document.	Pass
6	View groups	Click on view group's link in navigation bar.	The link should be clickable and it should redirect to the view groups page.	The link is clickable and it redirected to the view groups page.	Pass
7	View guides	Click on view guides link in navigation bar.	The link should be clickable and it should redirect	The link is clickable and it redirected to the	Pass

			to the view guides page.	view guides page.	
8	Students	Click on student's link in navigation bar.	The link should be clickable and it should redirect to the students page.	The link is clickable and it redirected to the students page.	Pass
9	Slider	Click on slider	It should open the slider.	It opened the slider.	Pass
10	Guide	Click on guide link in slider.	It should show dropdown	It is showing dropdown	Pass
11	Add guide	Click on add guide link in dropdown.	It should redirect to the add guide page.	It redirected to the add guide page	Pass
12	Update guide	Click on update guide link in dropdown.	It should redirect to the update guide page.	It redirected to the update guide page	Pass
13	Delete guide	Click on delete guide link in dropdown.	It should redirect to the delete guide page.	It redirected to the delete guide page	Pass
14	Student	Click on student link in slider.	It should show dropdown	It is showing dropdown	Pass
15	Add student	Click on add student link in dropdown.	It should redirect to the add student page.	It redirected to the add student page	Pass
16	Update student	Click on update student link in dropdown.	It should redirect to the update student page.	It redirected to the update student page	Pass
17	Delete student	Click on delete student link in dropdown.	It should redirect to the delete student page.	It redirected to the delete student page	Pass
18	Allocate groups	Click on allocate groups link in slider.	The link should be clickable and it should redirect to the allocate groups page.	The link is clickable and it is redirected to the allocate groups page.	Pass
19	Setting	Click on settings link	The link should be clickable and it should show dropdown.	The link is clickable and it is showing dropdown.	Pass
20	Logout	Click on logout link	The link should be clickable and it should redirect to the login page of admin.	The link is clickable and it is redirecting to the login page of admin	pass

Guide

TC no.	Test case	Input data	Expected output	Actual output	Status
1	Login (Username and password is correct)	Enter valid username: Shravani Enter valid password: 6789	It should redirect to the home page of guide.	It redirected to the home page of guide.	Pass
2	Login (Username and password is incorrect)	Enter valid username: Shravani Enter valid password: “ “	It should show pop up message “Enter valid username or password”.	It should showed pop up message “Enter valid username or password”.	Pass
3	About	Click on about link in navigation bar.	The link should be clickable and it should redirect to the about page.	The link is clickable and it redirected to the about page.	Pass
4	Documents	Click on documents link in navigation bar.	The link should be clickable and it should redirect to the documents page to download documents.	The link is clickable and it redirected to the documents page to download documents.	Pass
5	Documents (Download)	Click on download button.	The button should be clickable and it should download the selected document.	The button is clickable and it downloaded the selected document.	Pass
6	Notes	Click on Notes link in navigation bar.	The link should be clickable and it should redirect to the notes page.	The link is clickable and	Pass
7	Slider	Click on slider	It should open the slider.	It opened the slider.	Pass
8	Group1	Click on group 1 link in slider.	It should redirect to the group 1 page.	It is redirecting to the group 1 page.	Pass
9	Group2	Click on group 2 link in slider.	It should redirect to the group 2 page.	It is redirecting to the group 2 page.	Pass
10	Group3	Click on group 3 link in slider.	It should redirect to the group 3 page.	It is redirecting to the group 3 page.	Pass
11	Settings	Click on settings link	It should redirect	It is redirecting to	Pass

		in slider.	to the settings page.	the settings page.	
12	Logout	Click on logout link	The link should be clickable and it should redirect to the login page of guide.	The link is clickable and it is redirecting to the login page of guide.	pass

Student

TC no.	Test case	Input data	Expected output	Actual output	Status
1	Login (Username and password is correct)	Enter valid username: Sathvika Enter valid password: 2468	It should redirect to the home page of student.	It redirected to the home page of student.	Pass
2	Login (Username and password is incorrect)	Enter valid username: Sathvika Enter valid password: “ “	It should show pop up message “Enter valid username or password”.	It should showed pop up message “Enter valid username or password”.	Pass
3	About	Click on about link in navigation bar.	The link should be clickable and it should redirect to the about page.	The link is clickable and it redirected to the about page.	Pass
4	Documents	Click on documents link in navigation bar.	The link should be clickable and it should redirect to the documents page to download documents.	The link is clickable and it redirected to the documents page to download documents.	Pass
5	Documents (Download)	Click on download button.	The button should be clickable and it should download the selected document.	The button is clickable and it downloaded the selected document.	Pass
6	Upload	Click on upload link in navigation bar.	The link should be clickable and it should redirect to the upload documents page.	The link is clickable and it is redirected to the upload documents page.	Pass
7	Slider	Click on slider	It should open the slider.	It opened the slider.	Pass

8	Group	Click on group 1 link in slider.	It should redirect to the group 1 page.	It is redirecting to the group 1 page.	Pass
9	Settings	Click on settings link in slider.	It should redirect to the settings page.	It is redirecting to the settings page.	Pass
10	Logout	Click on logout link	The link should be clickable and it should redirect to the login page of student.	The link is clickable and it is redirecting to the login page of student.	pass

CHAPTER 8

FEATURES AND APPLICATIONS

8.1 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.

8.2 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.

CHAPTER 9

FUTURE SCOPE

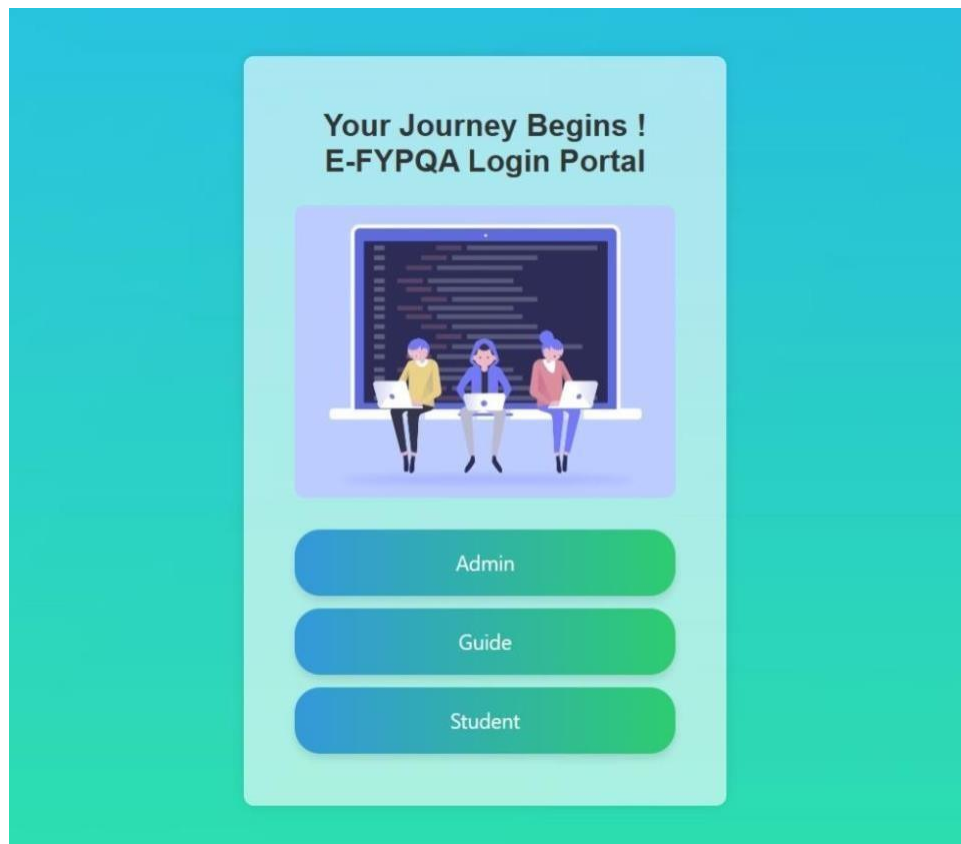
9.1 FUTURE SCOPE:

- 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.

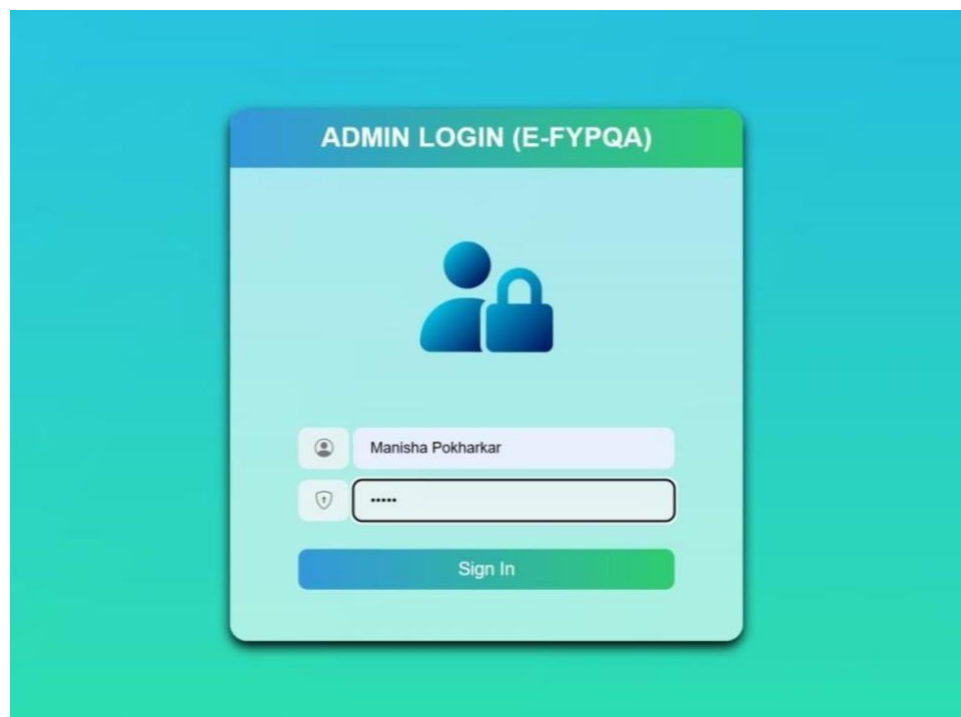
CHAPTER 10

SCREENSHOTS

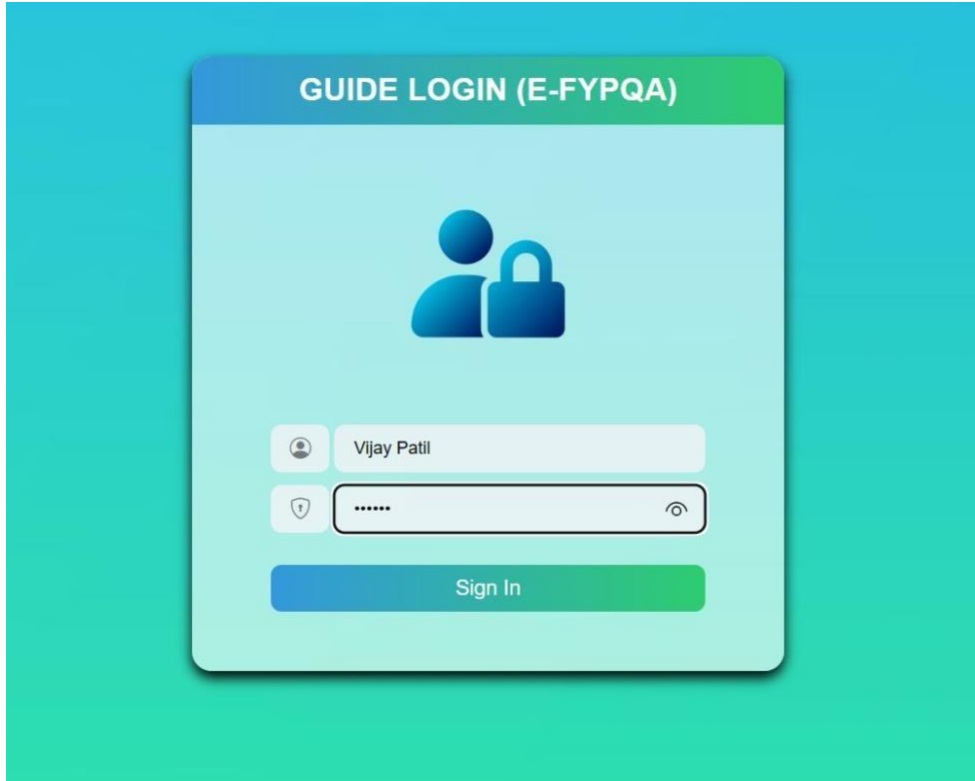
Login (Admin, Guide and Student)



Admin Login

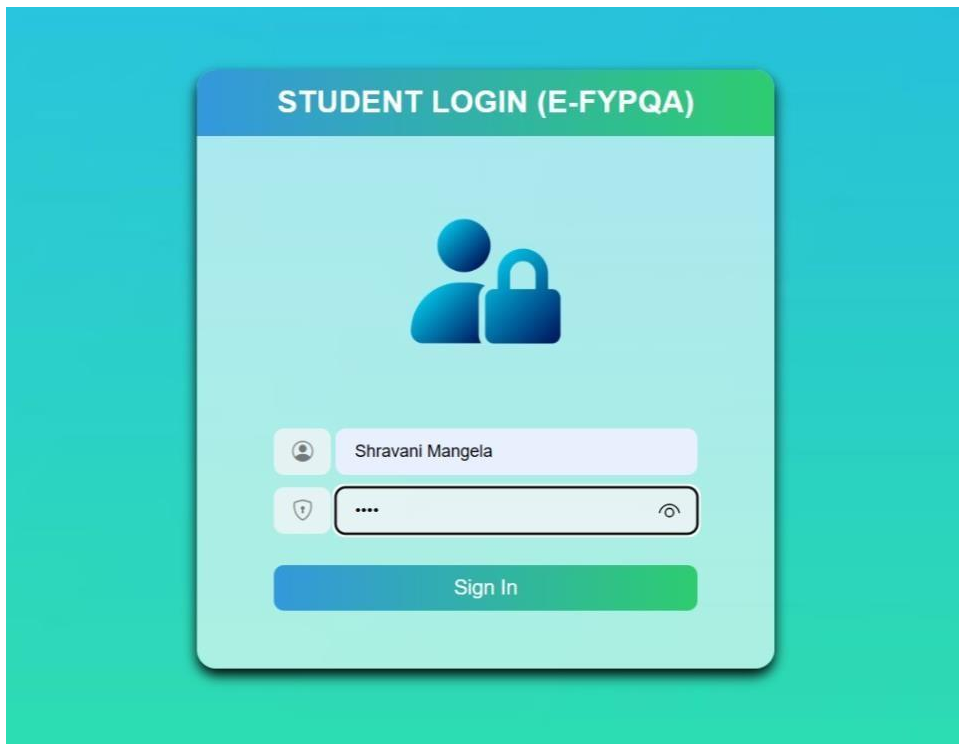


Guide Login



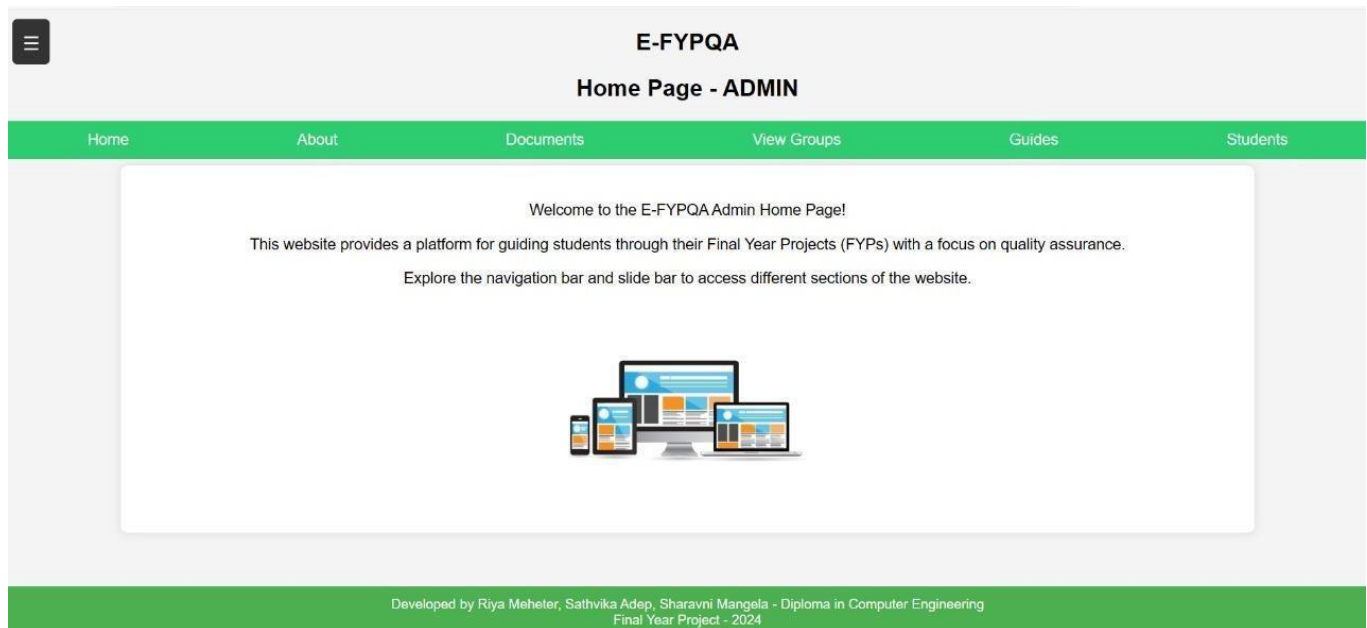
The image shows a login interface for a Guide. The title bar at the top is green and contains the text "GUIDE LOGIN (E-FYPQA)". Below the title bar is a light blue rectangular area. In the center of this area is a blue icon of a person and a padlock. Below the icon are two input fields. The first input field has a user icon on the left and contains the text "Vijay Patil". The second input field has a shield icon on the left, contains six asterisks "*****", and has an eye icon on the right. Below these input fields is a green button with the text "Sign In".

Student Login

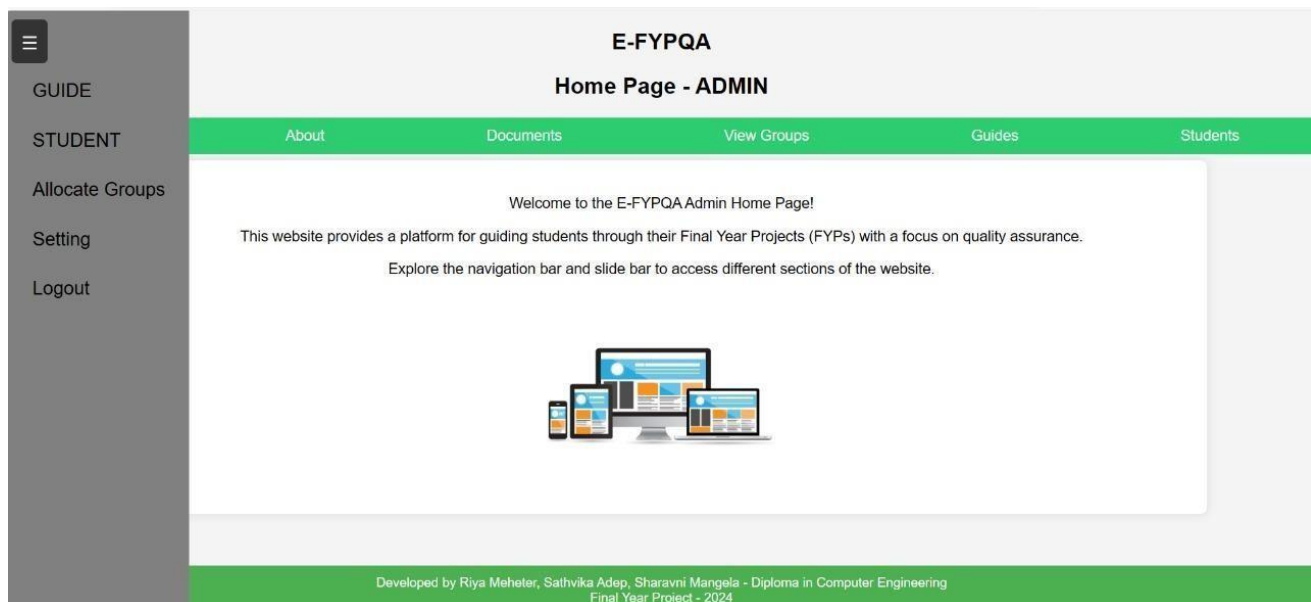


The image shows a login interface for a Student. The title bar at the top is green and contains the text "STUDENT LOGIN (E-FYPQA)". Below the title bar is a light blue rectangular area. In the center of this area is a blue icon of a person and a padlock. Below the icon are two input fields. The first input field has a user icon on the left and contains the text "Shravani Mangela". The second input field has a shield icon on the left, contains four asterisks "****", and has an eye icon on the right. Below these input fields is a green button with the text "Sign In".

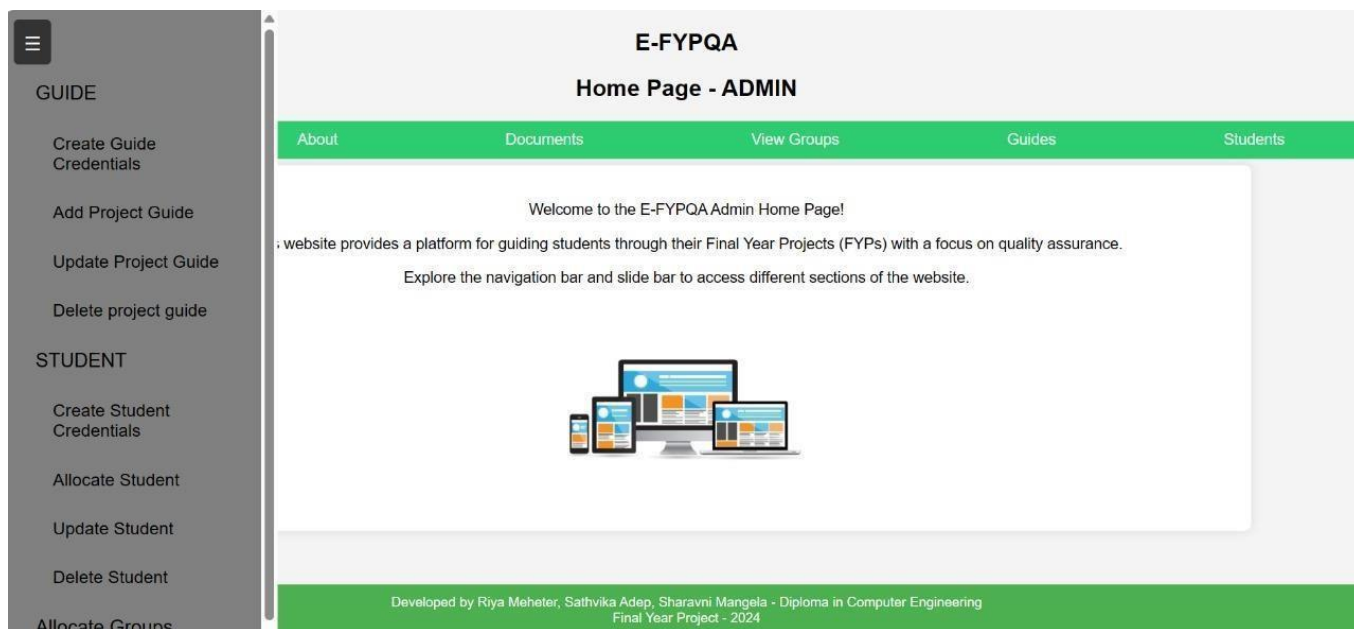
Admin home page



Admin home page slider

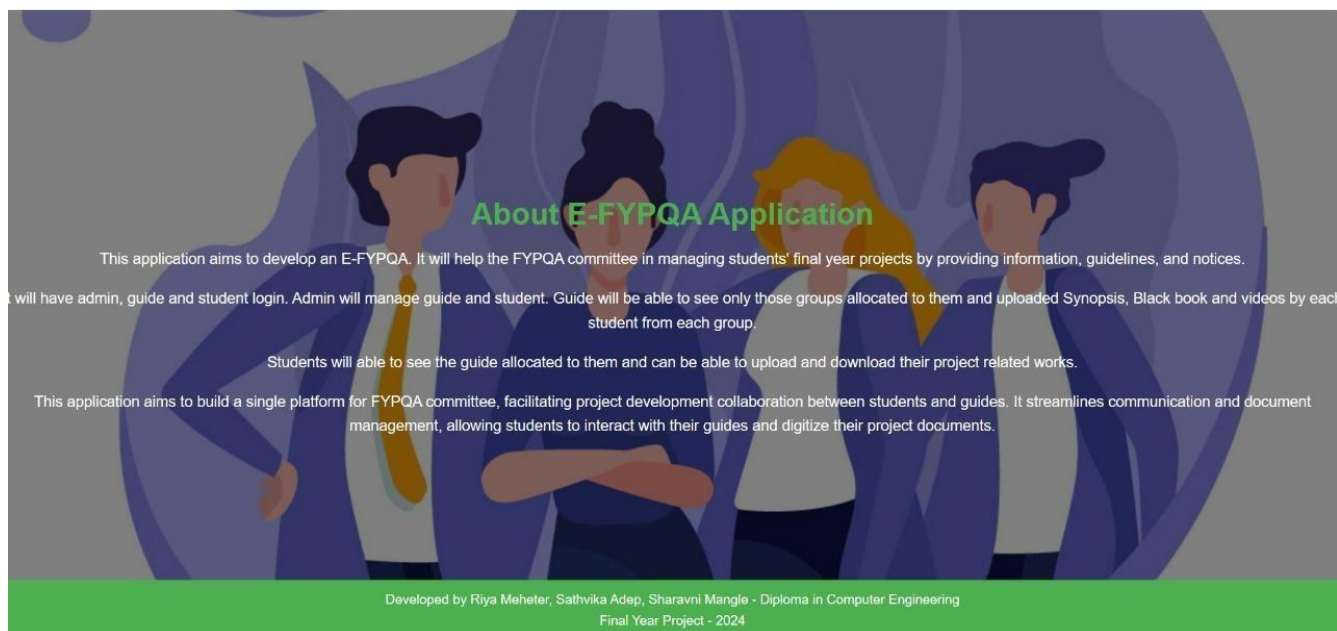


Admin Home page slider dropdown



The screenshot displays the E-FYPQA Admin Home Page. On the left is a dark grey sidebar with a hamburger menu icon at the top. Below it, the sidebar is divided into two sections: 'GUIDE' and 'STUDENT'. The 'GUIDE' section includes links for 'Create Guide Credentials', 'Add Project Guide', 'Update Project Guide', and 'Delete project guide'. The 'STUDENT' section includes links for 'Create Student Credentials', 'Allocate Student', 'Update Student', 'Delete Student', and 'Allocate Groups'. The main content area has a light grey header with the title 'E-FYPQA' and 'Home Page - ADMIN'. Below the header is a green navigation bar with links for 'About', 'Documents', 'View Groups', 'Guides', and 'Students'. The main content area features a white box with a welcome message: 'Welcome to the E-FYPQA Admin Home Page!' followed by a description of the website's purpose and a call to action to explore the navigation bar. Below the text is an illustration of a desktop monitor, a laptop, and a smartphone displaying the website interface. At the bottom of the page is a green footer with the text: 'Developed by Riya Meheter, Sathvika Adep, Sharavni Mangela - Diploma in Computer Engineering Final Year Project - 2024'.

About page



The screenshot displays the E-FYPQA About Page. The background features a stylized illustration of four people (three men and one woman) in business attire. The title 'About E-FYPQA Application' is centered in green text. Below the title, there are three paragraphs of text describing the application's purpose and features. The first paragraph states: 'This application aims to develop an E-FYPQA. It will help the FYPQA committee in managing students' final year projects by providing information, guidelines, and notices.' The second paragraph states: '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 videos by each student from each group.' The third paragraph states: 'Students will be able to see the guide allocated to them and can be able to upload and download their project related works.' The fourth paragraph states: 'This application aims to build a single platform for FYPQA committee, facilitating project development collaboration between students and guides. It streamlines communication and document management, allowing students to interact with their guides and digitize their project documents.' At the bottom of the page is a green footer with the text: 'Developed by Riya Meheter, Sathvika Adep, Sharavni Mangela - Diploma in Computer Engineering Final Year Project - 2024'.

Download Documents

Get Your Document!

Format for project group formation

Download

Format for Project Abstract Submission

Download

Project Synopsis Format

Download

Synopsis presentation format

Download

Marks

Download

v-ideas template

Download

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 Final Year Project - 2024

View Allocated Groups

View Allocated Groups									
Department	Student Name 1	Roll No 1	Student Name 2	Roll No 2	Student Name 3	Roll No 3	Student Name 4	Roll No 4	Guide Name
CO	Sathvika Adep	21203A0044	Shravani Mangela	21203A0067	Riya Meheter	21203A0008			Sudhir Lawand sir
IF	Vedashree Kondvilkar	21203A0019	Yash Pawar	21203A0029	Nisarga Jagdale	21203A0032	Aaditi Bhatade	21203A0042	Sudhir Lawand sir
IF	THITE ATHARVA AMIT	212003A0001	MIRGAL ATHARV JITENDRA	21203A0002	HRIDAY JAYESH DEVKAR	21203A0003			Sarvesh Gupta
CO	KADAM VEDANT VILAS	212003A0004	LOKHANDE GANESH TANAJI	21203A0005	CHAVAN SWARAJ RAJKUMAR	21203A0006	KADAM YASH DINESH	21203A0007	Vijay Patil
EJ	PARDAWALA BURHANUDDIN ABBAS	212003A0010	DHARAP SOHAM ABHIJIT	21203A0011	SHLOKA DIWAKAR SAWANT	21203A0012			Pranesh Naik

View Guides

View Guides		
Guide ID	Guide Name	Department
4	Anjuman Mujawar	EJ
6	Pranesh Naik	EJ
9	Sushama Pawar	IF
10	Sudhir Lawand sir	CO
11	Vijay Patil sir	CO
12	Manisha mam	CO

Allocated Students

Allocated Students			
Department	Roll No	Student Name	Guide Name
CO	21203A0044	Sathvika Adep	Sudhir Lawand
IF	21203A0001	THITE ATHARVA AMIT	Sarvesh Gupta
CO	212003A0004	KADAM VEDANT VILAS	Vijay Patil
CO	212003A0010	PARDAWALA BURHANUDDIN ABBAS	Pranesh Naik
CO	212003A0011	DHARAP SOHAM ABHIJIT	Pranesh Naik

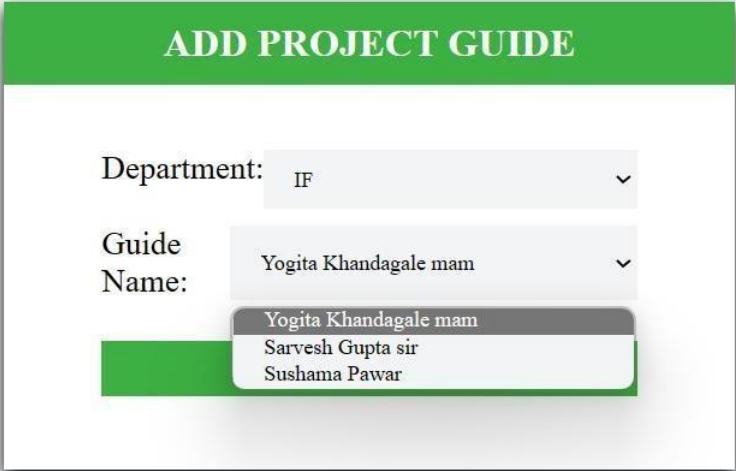
Add Guide Login (Credentials)

ADD GUIDE LOGIN

Name:

Passowrd:

Add Project Guide



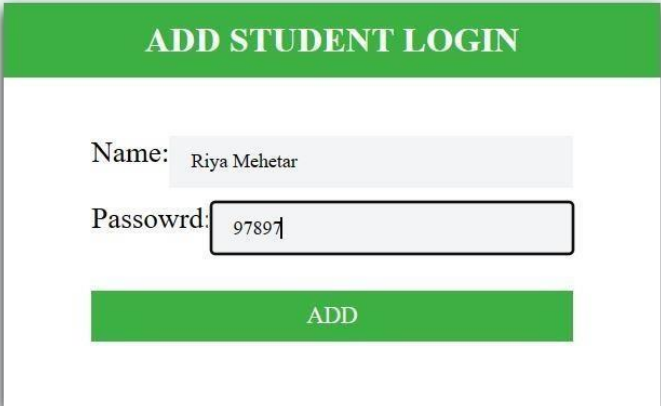
ADD PROJECT GUIDE

Department: IF

Guide Name: Yogita Khandagale mam

Yogita Khandagale mam
Sarvesh Gupta sir
Sushama Pawar

Add Student Login (Credentials)



ADD STUDENT LOGIN

Name: Riya Mehetar

Passowrd: 97897

ADD

Allocate Students

ALLOCATE STUDENT

Department:

Roll No:

Student Name:

Guide Name:

Allocate groups

ALLOCATED GROUP

Department: IF ▼

Group Number: 6

Student Name	Roll No
Rohan tadaka	21203A0019
Ruhee pawar	21203A0067
Pranjali satardekar	21203A0008
Enter student name	Enter student roll no.

Guide Name: Yogita Khandagale ▼

ADD

Delete Project Guide

DELETE PROJECT GUIDE


Guide ID:

Department: ▼

Guide Name: ▼

DELETE

Guide Home Page



E-FYPQA

Logged in as: Vijay Patil


Home Page - Guide

[Home](#) [About](#) [Documents](#) [Uploads](#) [Notes](#)

Welcome to the E-FYPQA Home Page!

This website provides a platform for various activities.

Explore the navigation bar and slide bar to access different sections of the website.



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Final Year Project - 2024

Guide Home Page slider

≡

Settings

Logout

Allocated Groups

Group 4

Group 5

E-FYPQA


Home Page - Guide

AboutDocumentsUploadsNotes

Welcome to the E-FYPQA Home Page!

This website provides a platform for various activities.

Explore the navigation bar and slide bar to access different sections of the website.



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Final Year Project - 2024

Logged in as: Vijay Patil

Group page

Group 4 Page

Group Members List

Roll No	Student Name
212003A0004	KADAM VEDANT VILAS
21203A0005	LOKHANDE GANESH TANAJI
21203A0006	CHAVAN SWARAJ RAJKUMAR
21203A0007	KADAM YASH DINESH

Uploaded Documents

Roll No	Format File	Abstract File	Synopsis File	Presentation File	Mark File	Videa File
---------	-------------	---------------	---------------	-------------------	-----------	------------

Write a Review

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Final Year Project - 2024

Group 2

Group Members List

Roll No	Student Name
21203A0019	Vedashree Kondvilkar
21203A0029	Yash Pawar
21203A0032	Nisarga Jagdale
21203A0042	Aaditi Bhatade

Roll No	Format File	Abstract File	Synopsis File	Presentation File	Mark File	Videa File
21203A0042	View Format					
21203A0042			View Synopsis			
21203A0042	View Format					

Report Page

Group Work Report Page

Group Number:

group1

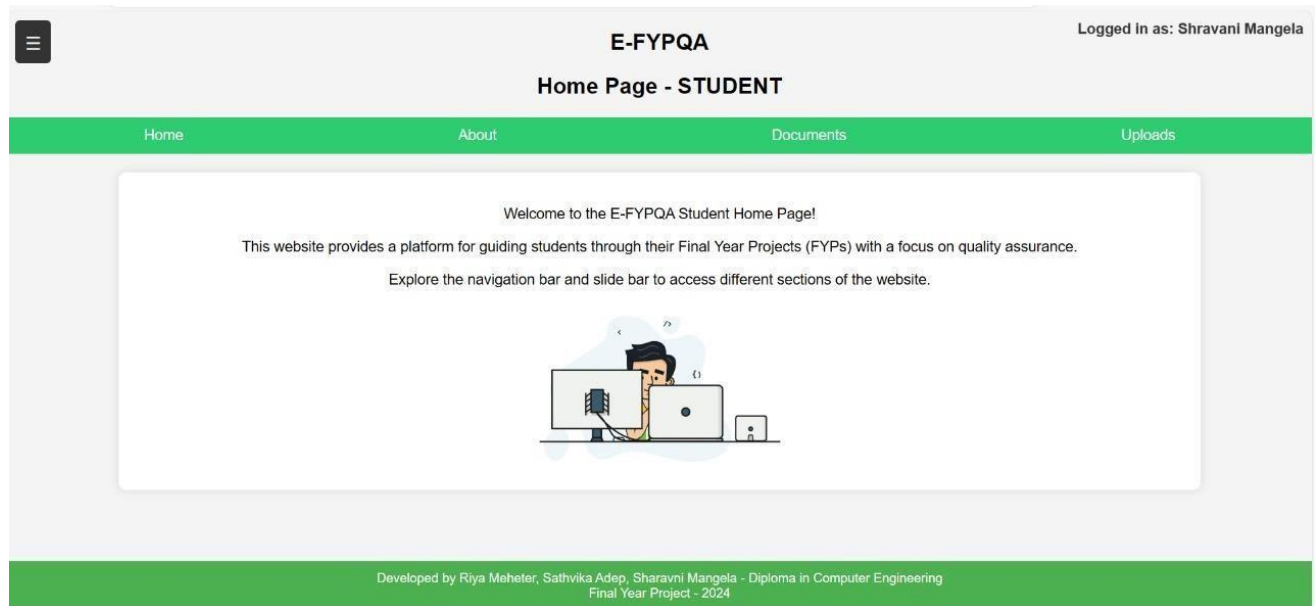
Completed Work:

Report, Synopsis, Abstract

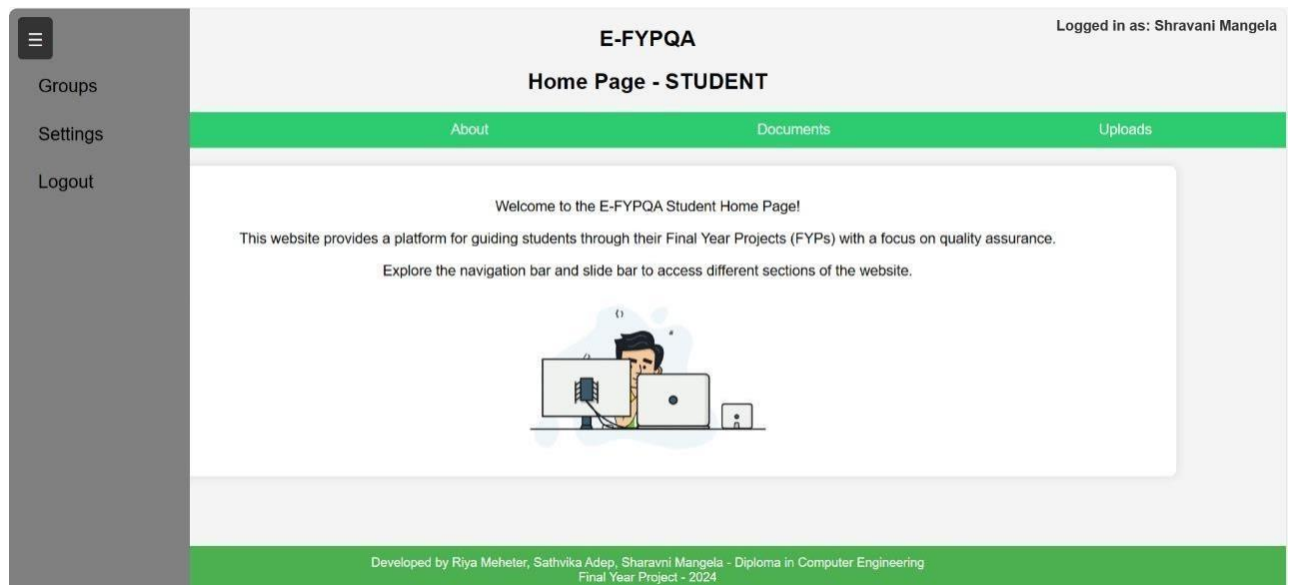
Add Completed Work

Group Name	Completed Work	Action
group2	Report , Synopsis	Delete

Student Home Page



Student Home Page slider



Group list

E-FYPQA Student 1

Group list is available...!

View PDF

Close

Draw
 Read aloud

 1 of 7
 Search

Vidyalankar Polytechnic
 Department of Computer Engineering
 Project Groups 2023-2024

Group IDs.	Roll ID	Enrollment No	Name of the Student	Domain	Final Domain	Project Name	Project Guide	Sponsored
CO-CP-G1	18203A0048	1805680048	KHADE DURGESH PANKAJ	Desktop application	Web Technology	CMS Training System	Manisha Pokharkar	
	21203A0002	2105680002	MIRGAL ATHARV JITENDRA	Web Technology				
	21203A0013	2105680013	VAISHAY BHUMIKA AVDHESH					
	21203A0021	2105680021	CHAUDHARI BHAGYESH ANIL					
CO-CP-G2	21203A0003	2105680003	DEVKAR HRIDAY JAYESH	Web Technology	IoT	Solar Panel Optimization	Anjali Gharat	
	21203A0004	2105680004	KADAM VEDANT VILAS	Embedded System				
	21203A0011	2105680011	BHADGAONKAR DURVESH PRADNYESH					
	21203A0016	2105680016	SAWANT AMEY BHASKAR	Artificial Intelligence				
CO-CP-G3	21203A0001	2105680001	THITE ATHARVA AMIT	Mobile Application	Artificial Intelligence	Chatbot for Teachers	Vijay Patil	
	21203A0006	2105680006	KAMBLE SHUBHAM SURENDRA					

Upload Documents

Upload Project Materials

Group No:

Roll No:

Choose Format for project group formation File:
 format (10).pdf

Choose Format for Project Abstract Submission File:
 OSY Modfile...lution (2).pdf

Choose Project Synopsis Format File:
 No file chosen

Choose Synopsis presentation format File:
 No file chosen

Choose marks File:
 No file chosen

Choose v-ideas template File:
 No file chosen

Download Documents

Get Your Document!

Format for project group formation
 Download

Format for Project Abstract Submission
 Download

Project Synopsis Format
 Download

Synopsis presentation format
 Download

Marks
 Download

v-ideas template
 Download

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 Final Year Project - 2024

Database

Table Name	Engine	Collation	Size	Comment
admin_login	InnoDB	latin1_general_cs	16.0 KiB	
allocated_groups	InnoDB	latin1_general_cs	32.0 KiB	
group2_uploads	InnoDB	latin1_general_cs	16.0 KiB	
group3_uploads	InnoDB	latin1_general_cs	16.0 KiB	
group4_uploads	InnoDB	latin1_general_cs	16.0 KiB	
group5_uploads	InnoDB	latin1_general_cs	16.0 KiB	
group6_uploads	InnoDB	latin1_general_cs	16.0 KiB	
guide	InnoDB	latin1_general_cs	16.0 KiB	
guide_login	InnoDB	latin1_general_cs	16.0 KiB	
reviews	InnoDB	latin1_general_cs	32.0 KiB	
students	InnoDB	latin1_general_cs	16.0 KiB	
student_login	InnoDB	latin1_general_cs	32.0 KiB	
uploaded_documents	InnoDB	latin1_general_cs	32.0 KiB	

CHAPTER 11

CONCLUSION

11. 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.

CHAPTER 12

BIBLIOGRAPHY

12. BIBLIOGRAPHY

- https://youtu.be/vAF6_RTqmZk?si=qZmf4-lLLZs17Fi2
- <https://youtu.be/N0hAZOApZWY?si=yonzts72fnxH8TVQ>
- <https://www.apachefriends.org/download.html>
- <https://www.w3schools.com/php/>
- https://www.tutorialspoint.com/php/php_and_mysql.htm
- <https://youtu.be/8aEznmj40sc?si=Qv3jQU805cehhRxH>
- <https://youtu.be/8aEznmj40sc?si=hwS4ZBG1zRTVlgdV>
- <https://www.codewithharry.com/videos/php-tutorials-in-hindi-25/>
- [Programming PHP](#)
- [PHP and MySQL](#)
- MySQL Database: Database fundamentals, SQL queries, designing and managing databases, and integrating MySQL with PHP.
- PHP AND MYSQL: SERVER-SIDE WEB DEVELOPMENT by Jon Duckett



International Journal of Research Publication and Reviews

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E-FYPQA

Riya Mehetar¹, Sathvika Adep², Shravani Mangela³, Prof. Sudhir Lawand⁴

CO, Vidyalkar Polytechnic, Mumbai

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 videos by each student from each group. Students will be 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, videos, 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

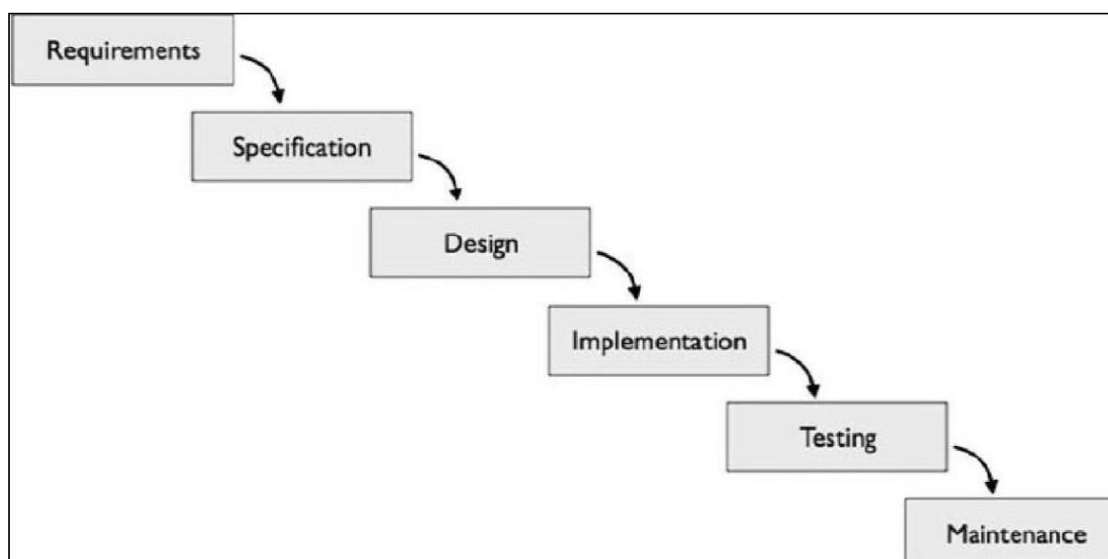
- The scope of our project, "E-FYPQA" (Final Year Project Quality Assurance System), is to make sure that the project we're working on is done really well and meets all the requirements.
- We'll create a plan to check every step of the project to make sure it's done right.
- This includes understanding 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:

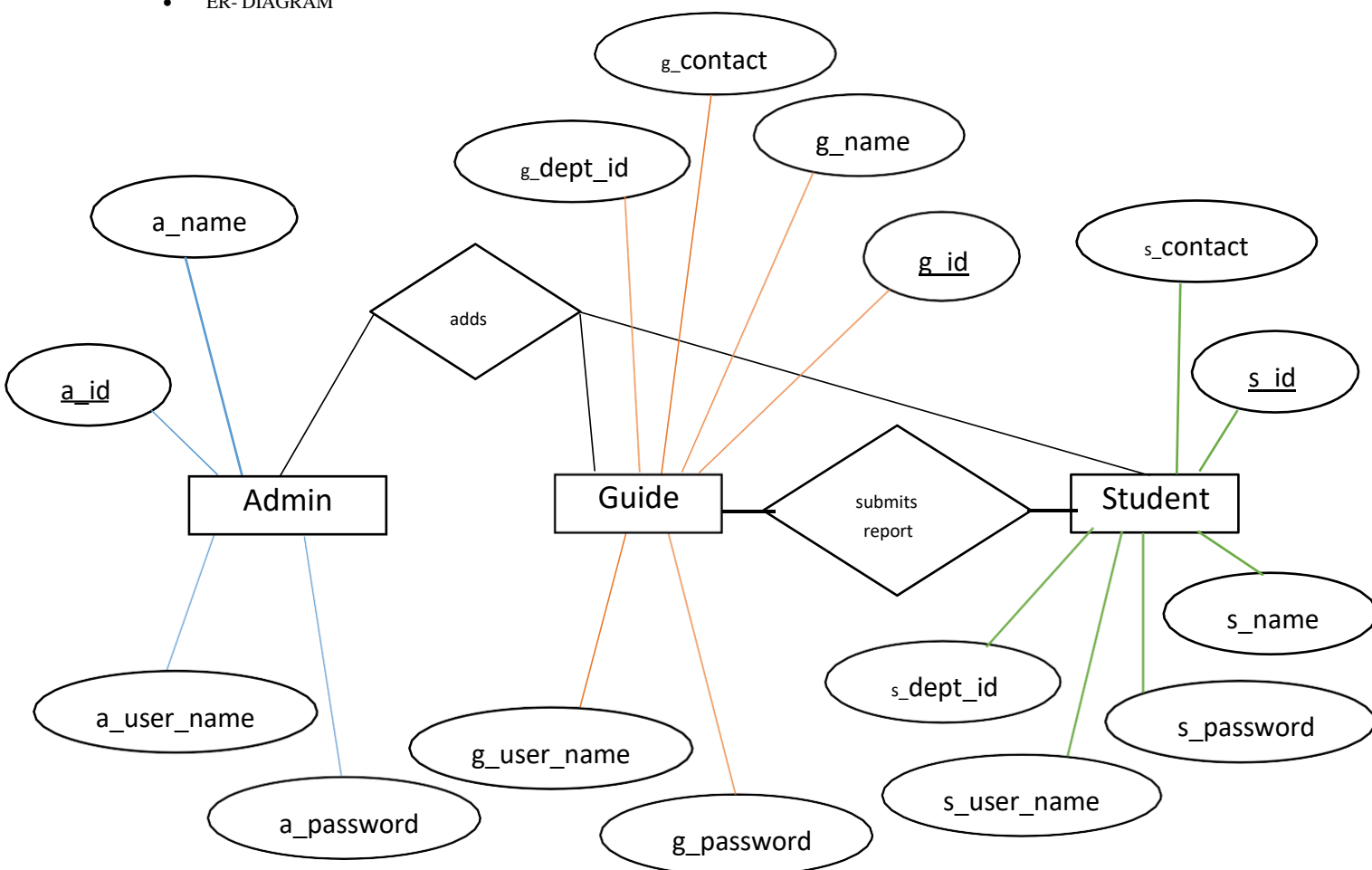
- Release of the E-FYPQA application to production environment.
- Configuration and setup of the application on servers.
- User training and onboarding for admin, guides, and students.
- Transition from development to operational phase.

Maintenance:

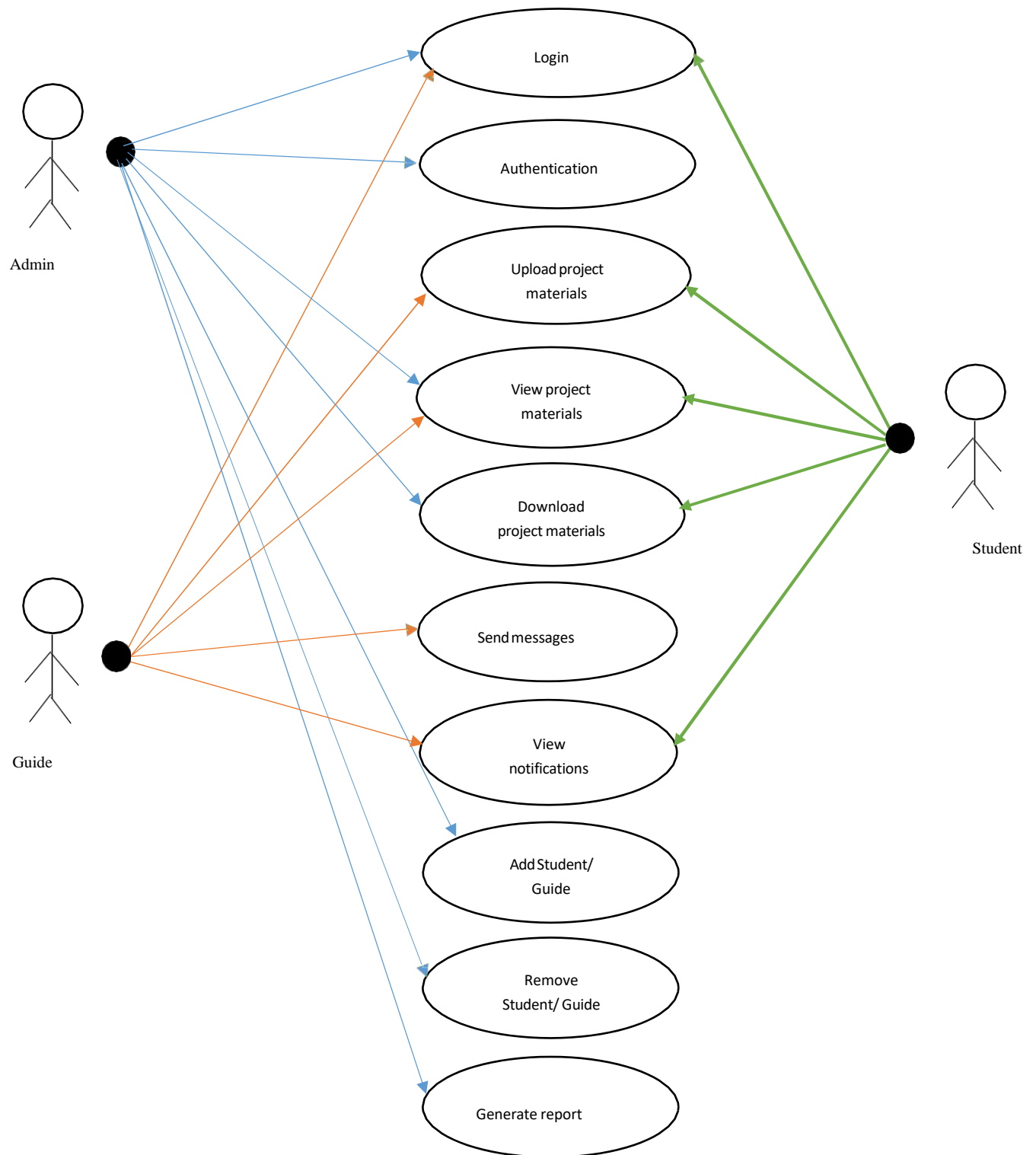
- Regular updates and maintenance to address user feedback and bug fixes.
- Monitoring and optimization of system performance.
- Implementation of new features or enhancements based on evolving requirements.
- Continuous improvement of the application based on user experience and changing needs.

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:

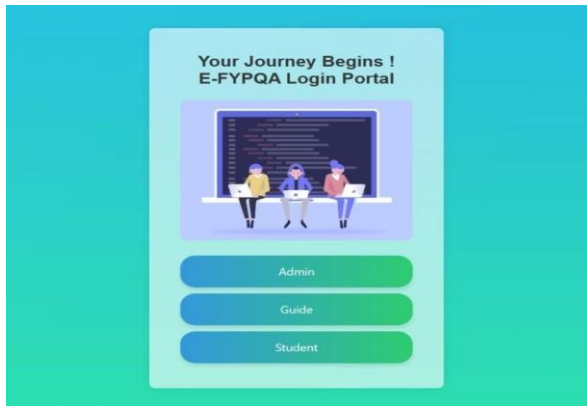
- FYPQA finds application in educational institutions, transforming how final year projects are managed.
- Students benefit from easy digital submissions and improved guidance. Faculty guides experience streamlined evaluation and communication.
- Administrators gain insights into project quality.
- Ultimately,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

FUTURE SCOPE :***FUTURE SCOPE:***

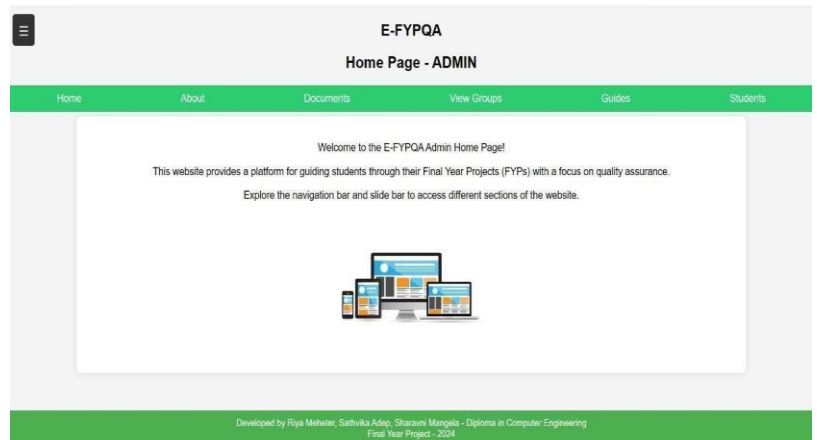
- The future scope of E-FYPQA is vast and includes widespread adoption in colleges and schools worldwide.
- It aims to make the project submission process more efficient and accessible for students and educators.
- E-FYPQA can become a standard tool, benefiting education by enhancing quality assurance,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

SCREENSHORTS

Login Portal of website(Admin, Guide, Student)



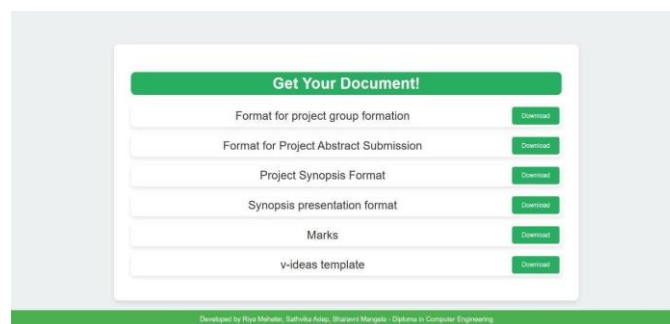
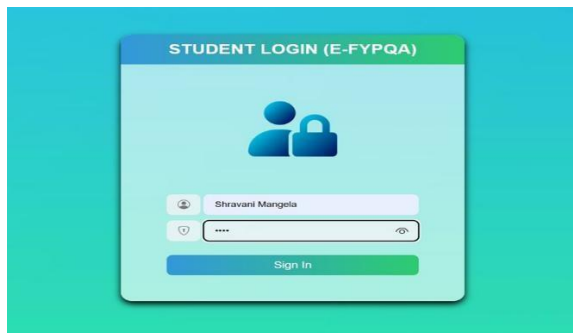
Home page of Admin



Admin home Slider contents



Guide Home Page



Uploading Page for students

Upload Project Materials

Group No.:

Roll No.:

Choose Format file project group Excitation File:
 Format / r16.pdf

Choose Format file Project Abstract Submission File:
 001 Abstract - John (2).pdf

Choose Project Synopsis Format File:
 No file chosen

Choose Synopsis presentation Format File:
 No file chosen

Choose mark File:
 No file chosen

Choose Video Synopsis File:
 No file chosen

Developed by Rupa Mahesh, Sahilika Kulkarni, Shreyansh Manojkumar, Diploma in Computer Engineering, Final Year Project - 2024

Group allocated page for guide

Group 4 Page

Group Members List

Roll No.	Student Name
212003A0004	KADAM VEDANT VILAS
212003A0005	LOKHANDE GANESH TANUJI
212003A0006	CHAVAN SIVARAJ RAJULUMAR
212003A0007	KADAM YASH DINESH

Uploaded Documents

Developed by Rupa Mahesh, Sahilika Kulkarni, Shreyansh Manojkumar, Diploma in Computer Engineering, Final Year Project - 2024

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.

REFERENCES :

1. https://youtu.be/vAF6_RTqmZk?si=qZmf4-lILZs17Fi2
2. <https://youtu.be/N0hAZOApZWY?si=yonzts72fnxH8TVQ>
3. <https://www.apachefriends.org/download.html>
4. <https://www.w3schools.com/php/>
5. https://www.tutorialspoint.com/php/php_and_mysql.htm
6. <https://youtu.be/8aEznmj40sc?si=Qv3jQU805cehhRxH>
7. <https://youtu.be/8aEznmj40sc?si=hwS4ZBGlzRTVldV>
8. <https://www.codewithharry.com/videos/php-tutorials-in-hindi-25/>
9. [Programming PHP](#)
10. [PHP and MySQL](#)
11. MySQL Database: Database fundamentals, SQL queries, designing and managing databases, and integrating MySQL with PHP.
12. PHP AND MYSQL: SERVER-SIDE WEB DEVELOPMENT by Jon Duckett



International Journal of Research Publication and Reviews

(Open Access, Peer Reviewed, International Journal)

(A+ Grade, Impact Factor 5.536)

ISSN 2582-7421

Sr. No: IJRPR 113358-1

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Signed

Ashish Agarwal



Date

16-03-2024

Editor-in-Chief
International Journal of Research Publication and Reviews



International Journal of Research Publication and Reviews

(Open Access, Peer Reviewed, International Journal)

(A+ Grade, Impact Factor 5.536)

ISSN 2582-7421

Sr. No: IJRPR 113358-2

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Date

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Editor-in-Chief
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International Journal of Research Publication and Reviews

(Open Access, Peer Reviewed, International Journal)

(A+ Grade, Impact Factor 5.536)

ISSN 2582-7421

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Date

16-03-2024

Editor-in-Chief
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International Journal of Research Publication and Reviews

(Open Access, Peer Reviewed, International Journal)

(A+ Grade, Impact Factor 5.536)

ISSN 2582-7421

Sr. No: IJRPR 113358-4

Certificate of Acceptance & Publication

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Date

16-03-2024

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