

# IQRA B.C.A. COLLEGE

Estd.: 19 / 07 / 10

Dahegam-Dahej Road, Bharuch. Pin - 392 012. Affiliated with Veer Narmad South Gujarat University - Surat.

Date: <u>12-04-2024</u>

## **CERTIFICATE**

This is to certify that the project report entitled <u>INTERNSHIP PORTAL</u> which has been submitted by

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- 2. SHAIKH MO.UZAIR MO.SALIM (5745)

In partial fulfilment for the 6<sup>TH</sup> semester of BACHELOR OF COMPUTER APPLICATION (BCA) affiliated to Veer Narmad South Gujarat University (VNSGU). The project has been carried out by under my supervision.

Internal Guide	I/C Principal
(Mr. Swapnil Roy)	(Mr. Divyesh Jadav
External F	kaminer's Sign

## **PREFACE**

Welcome to our Internship Portal, a dynamic platform designed to bridge the gap between aspiring interns and organizations seeking fresh talent. In today's competitive landscape, internships play a crucial role in shaping careers and fostering professional growth. Our portal serves as a catalyst, connecting motivated students and recent graduates with diverse internship opportunities across various industries.

With a user-friendly interface and comprehensive features, our portal simplifies the internship search process for both candidates and employers. Students can explore a wide range of internships tailored to their interests and skills, while employers can efficiently identify top-tier talent to complement their teams.

We believe that internships are not just about gaining experience but also about making meaningful connections and laying the foundation for future success. By facilitating these connections, our portal aims to empower individuals to kickstart their careers and organizations to thrive with the addition of bright, motivated interns.

Whether you're a student eager to embark on a rewarding internship journey or an organization ready to discover emerging talent, we invite you to explore our portal and unlock a world of opportunities. Together, let's shape the future of work through meaningful internships.

## **Acknowledgement**

We present with immense pleasure the report on "Internship Portal Management System". This project report shall be incomplete if I do not convey our heartfelt gratitude to those people from whom we have got considerable support and encouragement during this project many people have helped, provided direction, technical information and advice at all stages of our project and it's our pleasure to say what of thanks to all of them. however, with the help of our project guide "Mr. Swapnil Roy". It seems much more interesting doing this project report than we expected.

Additionally, We are thankful to all the staff of computer department, and my friends to whom we indebted or their constant help, encouragement and who normally support us and without whom this project could not been success.

Finally, we are thankful to our I/C principal "Mr. Divyesh Jadav" and teaching staff as well as non-teaching of IQRA BCA COLLEGE for their encouragement and assistance throughout. Last but not lease we thank our parent and our friends for their support and understanding during the project work.

Also, We are very much thankful for my college IQRA BCA COLLEGE, Bharuch which provides us a good study environment. Besides my friends showed their kindly help & support in our thesis, Because of them, living in Bharuch and studying in T.Y.B.C.A (Sem-6) is a nice time.

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#### 1. Introduction:

Welcome to our Internship Portal, your gateway to exciting opportunities and invaluable experiences. Our platform is designed to connect eager students and recent graduates with internship positions that align with their passions, skills, and career aspirations. Whether you're seeking hands-on experience in technology, finance, marketing, or any other industry, our portal is your one-stop destination for exploring and applying to diverse internship opportunities.

At our Internship Portal, we understand the importance of internships in shaping future careers and opening doors to new possibilities. That's why we've curated a comprehensive database of internship opportunities from leading organizations, providing you with access to a wide range of options to kickstart your professional journey.

## 1.1 Objectives of Project:

The objective of our Internship Portal project is to create a user-friendly platform that efficiently connects students and recent graduates with internship opportunities across various industries.

The major Objectives of this project are as follows:

- 1. Facilitating connections between candidates and organizations for internship opportunities.
- 2. Making internships more accessible to individuals from diverse backgrounds.
- 3. Empowering candidates to take control of their career development.
- 4. Addressing the skills gap through experiential learning and skill development.
- 5. Fostering collaboration and innovation within the internship ecosystem.

# 1.2 Project profile and Category:

Project Title :	Accounting System	
<b>Project Purpose:</b>	To Provide intents and recent graduates with internship	
	opportunities acress various industries	
Project Type :	Incremental Model	
Organization:	IQRA BCA COLLEGE, DEHEGAM	
Project Guide :	Mr. Swapnil Roy	
Team Members :	Lakdawala Uzair & Shaikh Uzair	
Front End :	PHP Core	
Back End :	MY SQL	
<b>Documentation Tool:</b>	MS Word	
Project Duration :	6 Months	
Submitted To:	Mr. Swapnil Roy	

## 1.3 Tools and Environment used:

## > Hardware Configuration Used :

Hard disk :	Accounting System	
RAM:	8 GB	
Processor:	11 <sup>th</sup> Gen Intel® Core™ i5-1135G7 @ 2.40GHz	

## > Software Configuration Used :

Operating System:	Windows 11
Database :	MY SQL
Front End :	Visual Studio Code
Server Configuration :	Wampserver

## 2. Requirement Analysis Report:

## 2.1 SRS(Software Requirement Specification):

#### 2.1.1 Goals of the Project:

The goal of our internship portal project is to provide a comprehensive platform that connects aspiring interns with diverse internship opportunities, facilitating career growth and skill development while promoting collaboration and innovation within the internship ecosystem.

- Connectivity: Establish a platform that efficiently connects aspiring interns with suitable internship opportunities across various industries and sectors.
- Access: Increase accessibility to internships for a wide range of candidates, ensuring inclusivity regardless of background or geographical location.
- **Empowerment**: Empower candidates to make informed decisions about their career paths by providing comprehensive information and resources related to internship opportunities.
- **Skill Development**: Facilitate experiential learning and skill development by offering internships that provide hands-on experience and practical training in relevant fields.
- **Industry Collaboration**: Foster collaboration between educational institutions, employers, and interns to ensure that internship experiences align with industry needs and standards.
- **Feedback Mechanism**: Establish a feedback mechanism to gather insights from interns and employers, enabling continuous improvement and refinement of the internship portal.

#### 2.1.2 Scope of the Project:

- **Platform Development**: Design and develop a user-friendly web portal that serves as a central hub for internship listings, applications, and related resources.
- **Database Management**: Implement a robust database system to efficiently store and manage internship opportunities, candidate profiles, and organizational information.
- User Experience (UX) Design: Ensure an intuitive and seamless user experience for both candidates and employers, prioritizing ease of navigation and accessibility.
- Search and Matching Algorithm: Incorporate advanced search and matching algorithms to facilitate efficient and accurate connections between candidates and internship opportunities based on their preferences and qualifications.
- Communication Features: Include communication features such as messaging and notifications to facilitate interactions between candidates and employers throughout the internship application process.
- Security Measures: Implement stringent security measures to safeguard user data and ensure the confidentiality and integrity of information shared on the platform.
- Scalability: Design the platform to be scalable, allowing for future expansion and accommodating a growing user base and increasing volume of internship listings.
- Analytics and Reporting: Integrate analytics tools to track user engagement, monitor platform performance, and generate insights that inform decision-making and optimization efforts.

#### 2.1.3 Functions to be performed:

#### 1. Admin:

Here admin performs the following task with the system.

- 1. Sign in
- 2. Forget password
- 3. Add courses
- 4. Add colleges
- 5. Update courses
- 6. Update colleges
- 7. Update profile
- 8. Delete courses
- 9. Delete colleges
- 10. View dashboard
- 11. View courses
- 12. View colleges
- 13. View interns
- 14. View intern profile
- 15. View companies
- 16. View feedbacks
- 17. View profile
- 18. Change password
- 19. Sign out

## 2. Companies:

Here companies performs the following task with the system.

- 1. Sign in
- 2. Forget password
- 3. Post jobs
- 4. Short list candidates
- 5. Send notification
- 6. Delete job
- 7. View dashboard
- 8. View candidates
- 9. View candidate profile
- 10. View inquiries
- 11. View reviews
- 12. View profile
- 13. Change password
- 14. Sign out

#### 3. Interns (User)

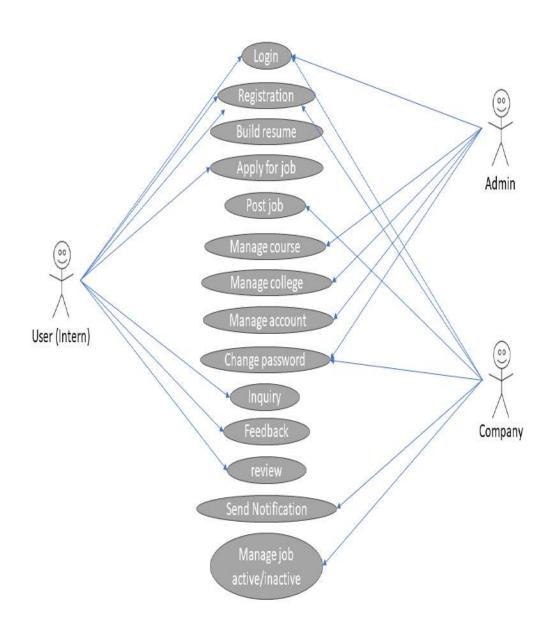
Here interns performs the following task with the system.

- 1. Sign up
- 2. Sign in
- 3. Update profile
- 4. Build resume
- 5. Add certification
- 6. Add Education
- 7. Add personal details
- 8. Download certification
- 9. Delete certification
- 10. Delete Education
- 11. Delete personal details
- 12. View profile
- 13. View job categories
- 14. View job details
- 15. View applied jobs
- 16. View shortlisted job
- 17. View notification
- 18. Apply for a job
- 19. Request inquiry
- 20. Send review
- 21. Send feedback
- 22. Change password
- 23. Log out

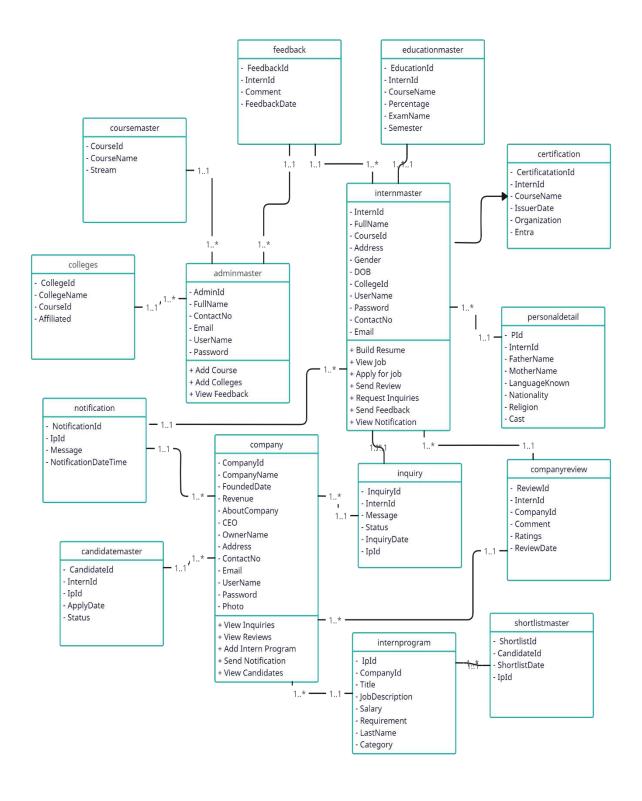
## 2.2 Software Engineering Model Applied:

- There are many situations in which initial software requirements are reasonably well defined, but the overall scope of the development effort precludes a purely linear process.
- In addition, there may be compelling need to provide a limited set of software functionality to users quickly and then refine and expand on that functionality in later software releases. In such cases, a process model that is designed to produce the software in increment is chosen.
- The incremental model combines elements of the waterfall model applied in an iterative fashion. It should be noted that the process flow for any increment may incorporate the prototyping paradigm.
- The incremental process model, like prototyping and other evolutionary approaches, is iterative in nature. But while prototyping, the incremental model focuses on the delivery of an operational product with each increment.
- Early increments are "stripped down" versions of the final product, but they do provide capability that serves the user and also provide capability that serves the user and also provides a platform for evaluation by the user.

# 2.3 Unified Modelling Language (UML) :2.3.1 Use Case Diagram :

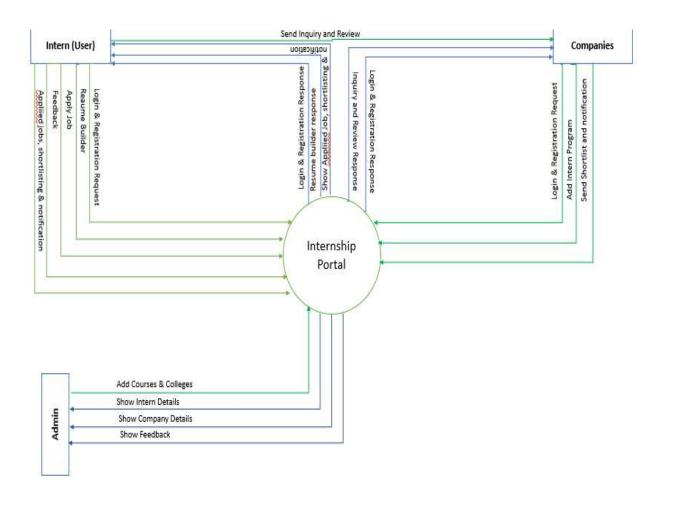


## 2.3.2 Class Diagram:

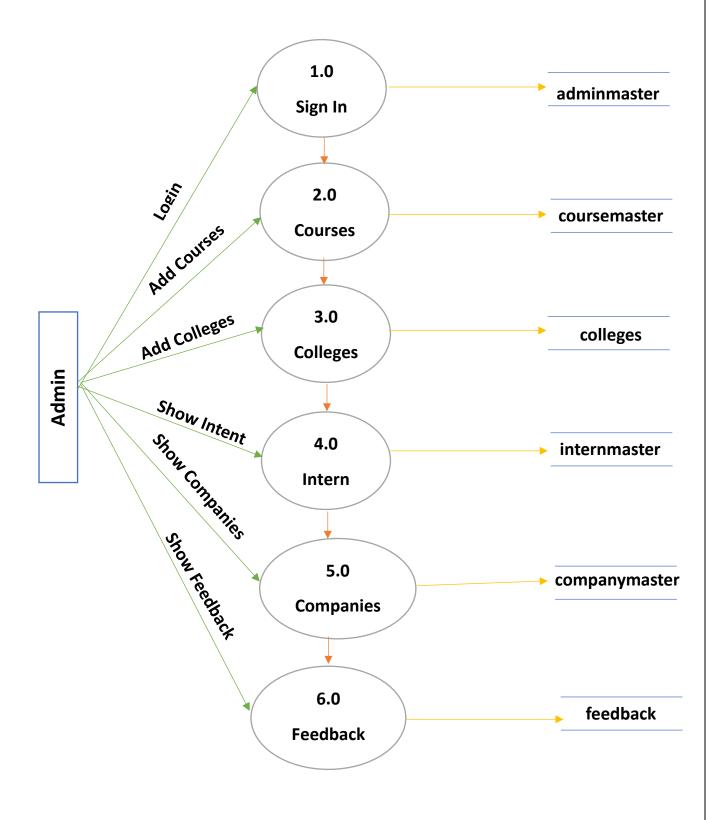


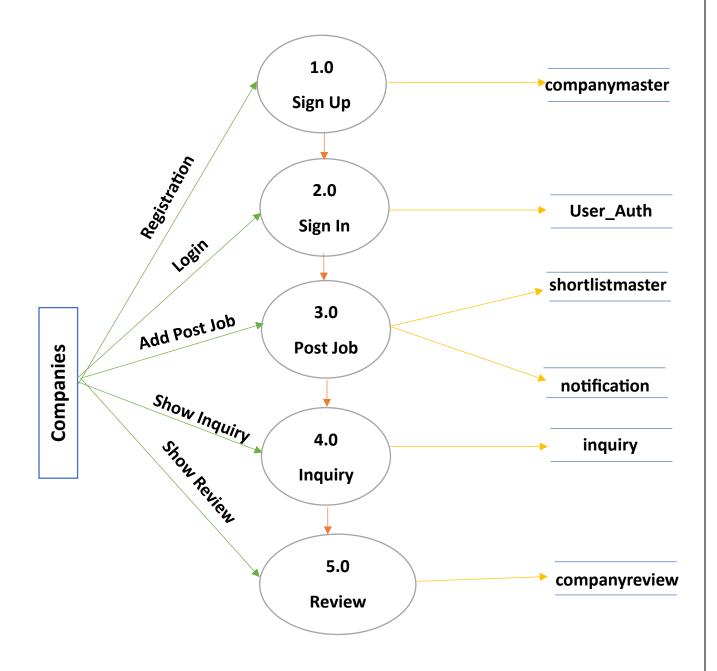
## 2.4 DFD (Data Flow Diagram):

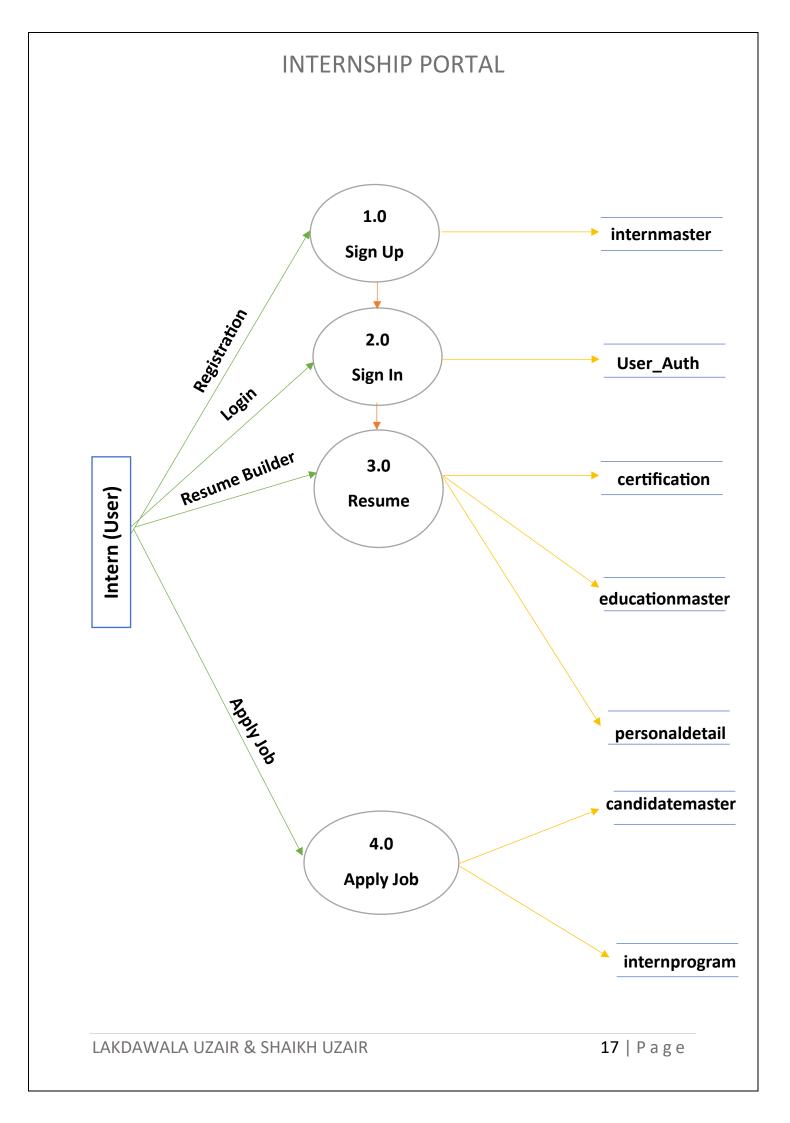
## $\triangleright$ DFD Level – 0:



## $\triangleright$ DFD Level – 1:

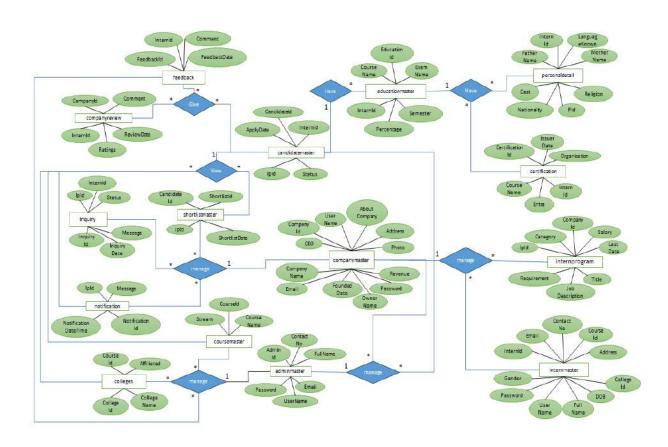






# 3. System Designing Report:

# 3.1 E-R (Entity Relationship) Model:



## 3.2 Database Designs:

## **➤ Table Structure :**

## • Table 1 :

Table name: adminmaster

Primary key : AdminId

Foreign key : -

Description: This table is used to store the details of admin

Field Name	Datatype	Description
AdminId	int(11)	Use to give unique id
FullName	text	Used to take First name
ContactNo	text	Used to take Last Name
Email	text	Used to take email
UserName	text	Used to take username
Password	text	Used to take password

#### • Table 2:

Table name: candidatemaster

Primary key : CandidateId

Foreign key : InternId, IpId

Description: This table is used to store the details of candidates

Field Name	Datatype	Description
CandidateId	int(11)	Use to give unique id
InternId	int(11)	Used to take intern id
IpId	int(11)	Used to take ip id
ApplyDate	date	Used to take apply date
Status	text	Used to take status

#### • Table 3:

Table name: certification

Primary key : CertificationId

Foreign key : InternId

Description: This table is used to store the details of certificates

Field Name	Datatype	Description
CertificationId	int(11)	Use to give unique id
InternId	int(11)	Used to take intern id
CourseName	text	Used to take course name
IssuerDate	date	Used to take issuer date
Organization	text	Used to take organization detail
Entra	text	Used to take certificate files

#### • Table 4:

Table name: colleges

Primary key : CollegeId

Foreign key : CourseId

Description: This table is used to store the details of colleges

Field Name	Datatype	Description
CollegeId	int(11)	Use to give unique id
CollegeName	text	Used to take college name
CourseId	int(11)	Used to take course id
Affiliated	text	Used to take affiliated
		university detail

#### • Table 5 :

Table name: companymaster

Primary key : CompanyId

Foreign key : -

Description: This table is used to store the details of companies

Field Name	Datatype	Description
CompanyId	int(11)	Use to give unique id
CompanyName	text	Used to take company name
FoundedDate	date	Used to take founded date
Revenue	Text	Used to take revenue detail
AboutCompany	Text	Used to take company detail
CEO	Text	Used to take ceo name
OwnerName	Text	Used to take owner name
Address	Text	Used to take address
ContactNo	Text	Used to take contact info
Email	text	Used to take email
UserName	Text	Used to take username
Password	Text	Used to take password
Photo	Text	Used to take photos

#### • Table 6:

Table name: comapanyreview

Primary key : ReviewId

Foreign key : InternId, CompanyId

Description: This table is used to store the details of company reviews

Field Name	Datatype	Description
ReviewId	int(11)	Use to give unique id
InternId	int(11)	Used to take intern id
CompanyId	int(11)	Used to take company id
Comment	text	Used to take comments
Ratings	int(11)	Used to take ratings
ReviewDate	datetime	Used to take review date

#### • Table 7 :

Table name: coursemaster

Primary key : CourseId

Foreign key : -

Description: This table is used to store the details of courses

Field Name	Datatype	Description
CourseId	int(11)	Use to give unique id
CourseName	text	Used to take course name
Stream	text	Used to take stream

#### • Table 8:

Table name: educationmaster

Primary key : EducationId

Foreign key : InternId

Description: This table is used to store the details of education

Field Name	Datatype	Description
EducationId	int(11)	Use to give unique id
InternId	int(11)	Use to give unique id
CourseName	text	Used to take course name
Percentage	text	Used to take percentage
ExamName	text	Used to take exam name
Semester	text	Used to take semester

#### • Table 9 :

Table name: feedback

Primary key : FeedbackId

Foreign key : InternId

Description: This table is used to store the details of feedback

Field Name	Datatype	Description
FeedbackId	int(11)	Use to give unique id
InternId	int(11)	Used to take intern id
Comment	text	Used to take comments
FeedbackDate	datetime	Used to take feedback date

#### • Table 10:

Table name: inquiry

Primary key : InquiryId

Foreign key : InternId, IpId

Description: This table is used to store the details of inquiry

Field Name	Datatype	Description
InquiryId	int(11)	Use to give unique id
InternId	int(11)	Used to take intern id
Message	text	Used to take message
Status	text	Used to take status detail
InquiryDate	date	Used to take inquiry date
IpId	int(11)	Used to take ip id

#### • Table 11:

Table name: internmaster

Primary key : InternId

Foreign key : CourseId, CollegeId

Description: This table is used to store the details of interns

Field Name	Datatype	Description
InternId	int(11)	Use to give unique id
FullName	text	Used to take full name
CourseId	int(11)	Used to take course id
Address	text	Used to take address
Gender	text	Used to take gender
DOB	date	Used to take dob
CollegeId	int(11)	Used to take college id
UserName	text	Used to take username
Password	text	Used to take password
ContactNo	text	Used to take contact no
Email	text	Used to take email

#### • Table 12:

Table name: internprogram

Primary key : IpId

Foreign key : CompanyId

Description: This table is used to store the details of intern programs

Field Name	Datatype	Description
IpId	int(11)	Use to give unique id
CompnayId	int(11)	Used to take company id
Title	text	Used to take title
JobDescription	text	Used to take job description
Salary	text	Used to take salary
Requirement	text	Used to take requirements
LastDate	text	Used to take last date
Category	text	Used to take category

#### • Table 13:

Table name: notification

Primary key : NotificationId

Foreign key : IpId

Description: This table is used to store the details of notification

Datatype	Description
int(11)	Use to give unique id
int(11)	Used to take intern program id
text	Used to take messages
datetime	Used to take notification date & time
	int(11) int(11) text

#### • Table 14:

Table name: personaldetail

Primary key : PId

Foreign key : InternId

Description: This table is used to store the intern personal detail

Field Name	Datatype	Description
PId	int(11)	Use to give unique id
InternId	int(11)	Used to take intern id
<b>FatherName</b>	text	Used to take father name
MotherName	text	Used to take mother name
LanguageKnown	text	Used to take known language
Nationality	text	Used to take nationality
Religion	text	Used to take religion
Cast	text	Used to take cast

#### • Table 15:

Table name: shortlistmaster

Primary key : ShortlistId

Foreign key : CandidateId, IpId

Description: This table is used to store the details of shortlisting

Field Name	Datatype	Description
ShortlistId	int(11)	Use to give unique id
CandidateId	int(11)	Used to take candidate id
ShortlistDate	date	Used to take shortlist date
IpId	int(11)	Used to take intern program
		detail

#### 4. TESTING REPORT:

Application testing is a critical element of application quality assurance and represents the ultimate review of specification design and coding. Testing is an exposure of a system to trial input to see whether it produces correct output. Testing cannot be determined whether application meets user's needs only whether it appears to confirm to requirements. Testing can show that a system is free of errors, only that it contains error. Testing finds errors, it does not correct errors. Application success is a quality product, on time and within cost.

Though testing can revel critical (costly) mistakes. Testing should therefore,

- ➤ Validate Performance.
- Detects Errors.
- ➤ Identify Inconsistencies.

#### **Importance of Testing:**

Reviews and other SQA activities can and do uncover errors, but they are not sufficient. Every time program is executed the client tests it. Therefore, you have to execute the program before it gets to the client with intent of finding and removing all errors.

In order to find the highest possible number of errors tests must be conducted systematically and test cases must be designed using disciplined techniques.

#### **Testing Principles:**

Before applying methods to design effective test cases, a software engineer must understand the basic principles that guide application testing.

All tests should be traceable to customer requirements.

#### 4.1 Test Cases:

#### Test case 1:

User Login				
Description	Test will be performed to check whether the user is allowed to log in or not and what privilege they get after getting logged in .			
Step No.	Action	Expected result	Actual result	
Step:1	First visit login page.	The login page is displayed with the fields of login.		
Step:2	Enter Email			
Step:3	Click on the "sign in" Button	User should Successfully login the system	User was logged in and redirected to their main home page	

## Text case 2:

User Registration			
Description	Test will be performed to check whether the Faculty/admin is allowed to Register with duplicate email.		
Step No.	Action	Expected result	Actual result
Step:1	Visit Registration page.	The Registration page is displayed.	
Step:2	Enter Full details and email which is already register	Should not be allowed to register	
Step:3	Enter Full details and unique Email id	Should be allowed to register and must be redirected to login page	Successfully register a user and is now redirected to the sign in page for security purpose

## Test case 3:

Home screen					
Description	Test will be performed to check whether the user is allowed to select brand category				
Step No.	Action	Action Expected result Actual result			
Step:1	Visit Home page.	The home page displayed with many job categories.	Visit to different section of website using quick links on header		
Step:2	Select Job Category	Should be redirected to the job listing page.s	Redirected category wise job listing page.		

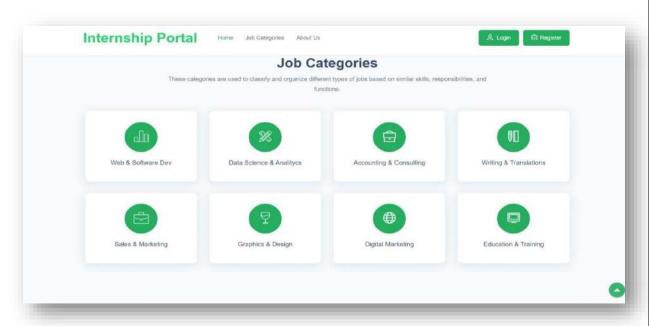
### 5. Screen Shots:

## **User Side (Intern):**

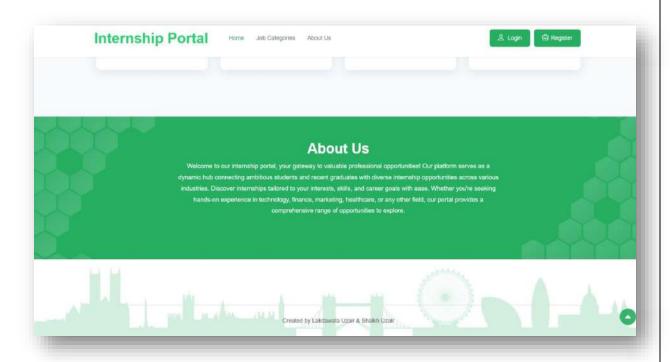
## **❖** Home Page:



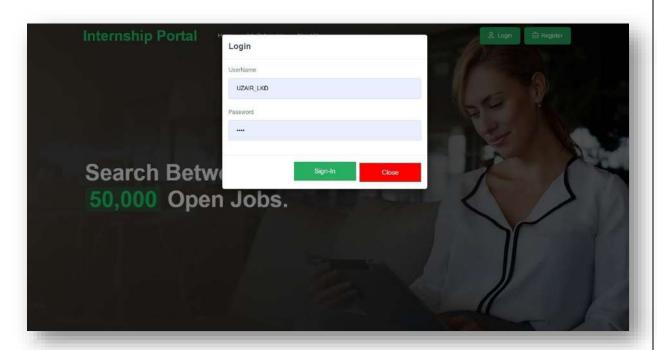
## **❖** Job Categories :



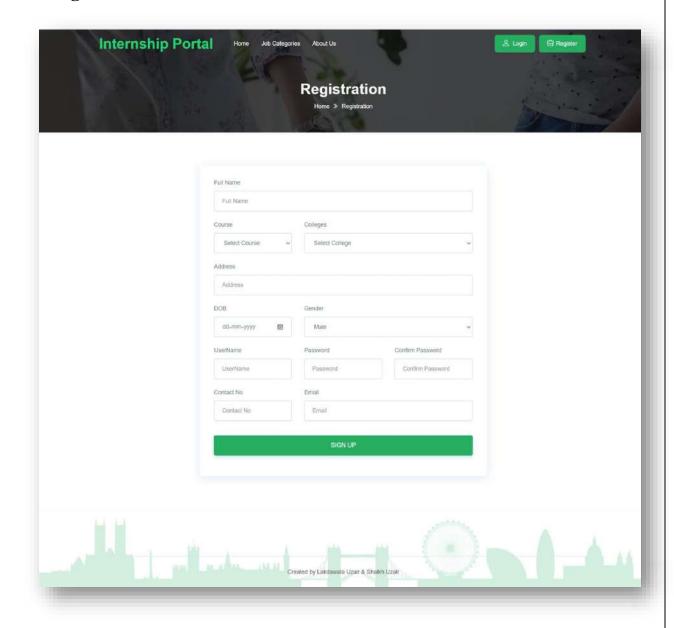
#### **❖** About Us:



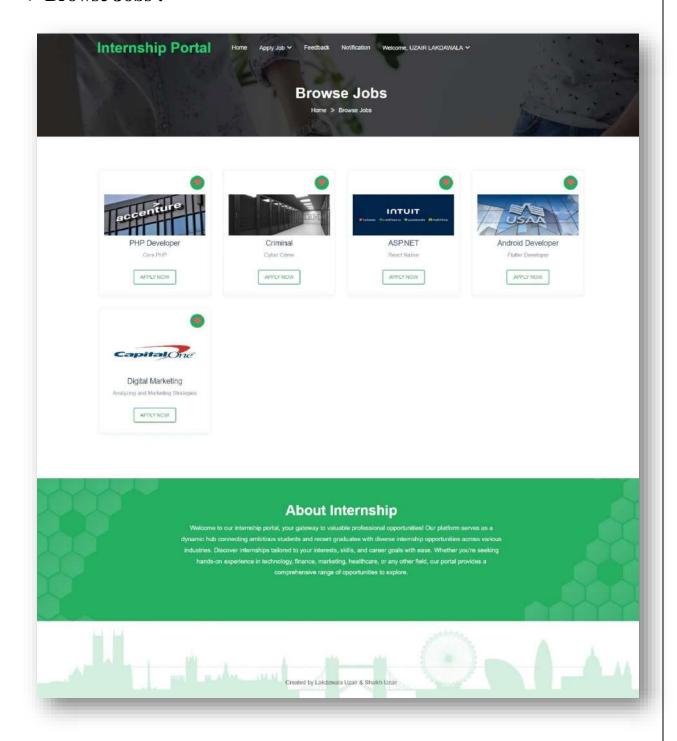
## \* Login:



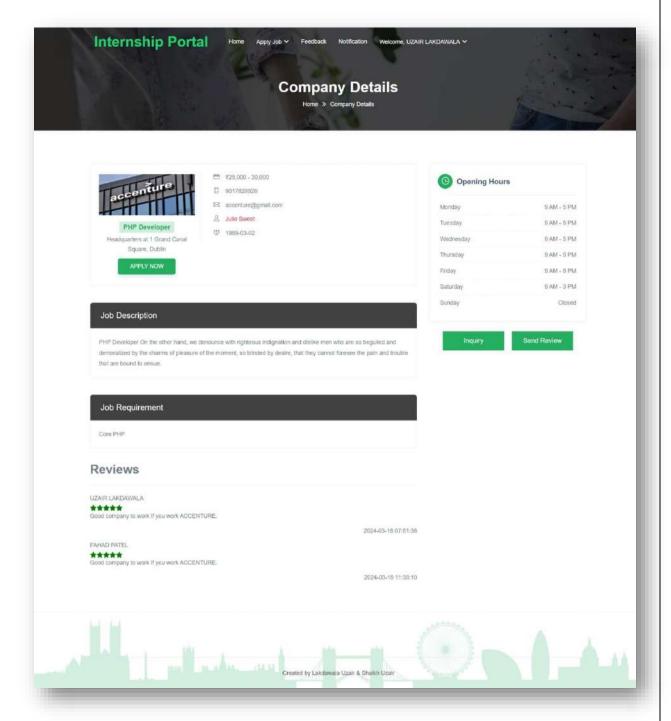
## **\*** Registration :



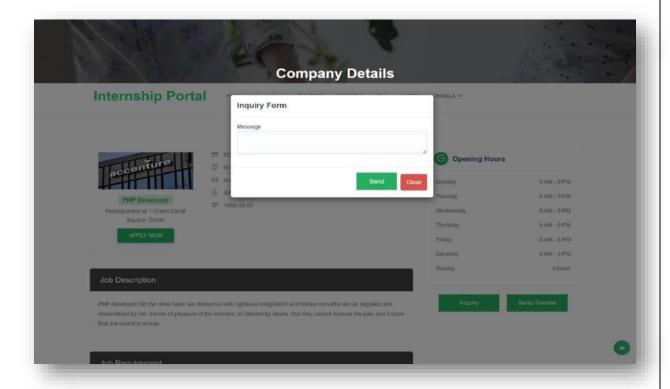
#### **\*** Browse Jobs :



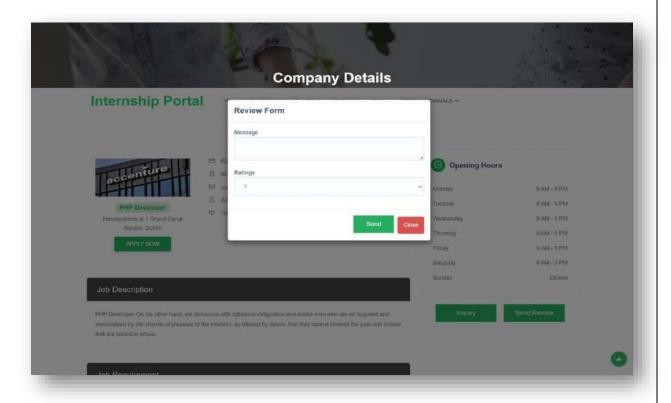
#### **Company Detail:**



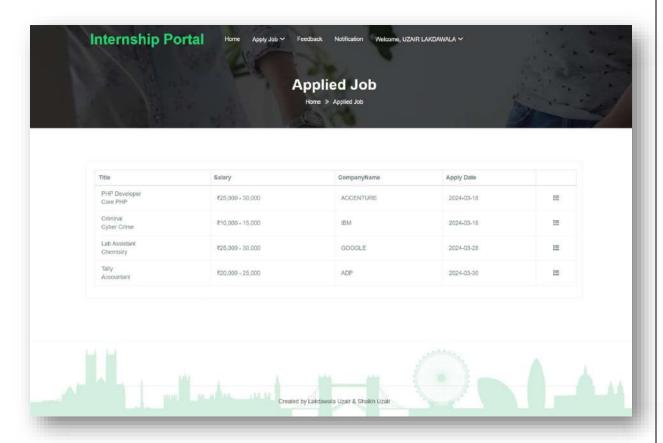
#### **❖** Inquiry Form:



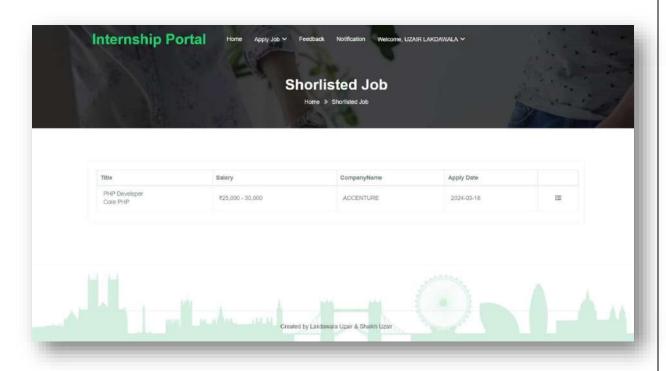
#### **Review Form :**



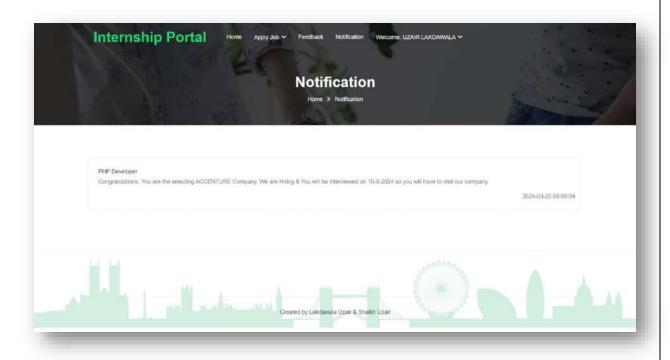
## **❖** Applied Jobs :



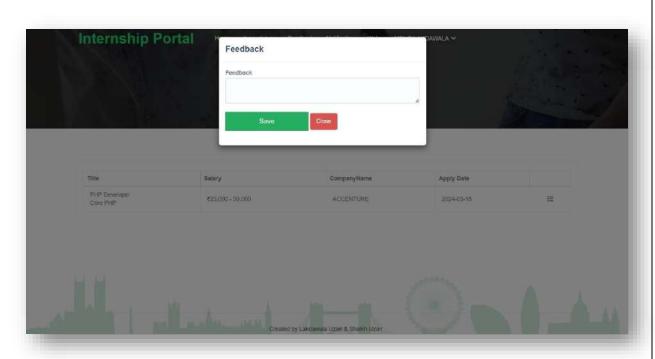
#### **❖** Shortlisted Jobs:



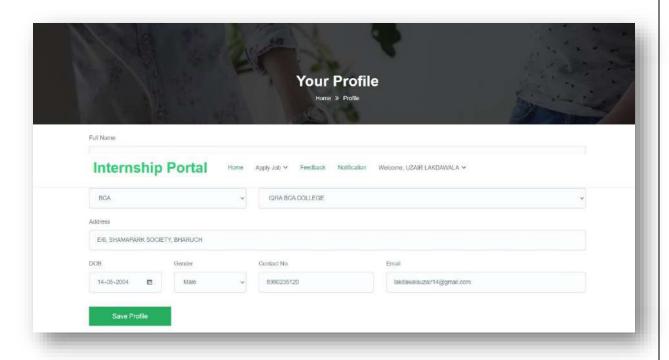
# **\*** Notification :



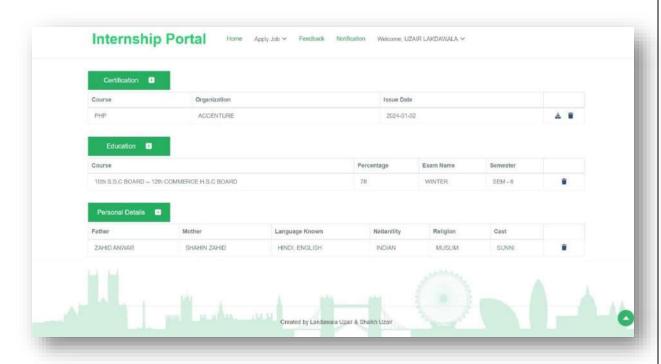
## **❖** Feedback:



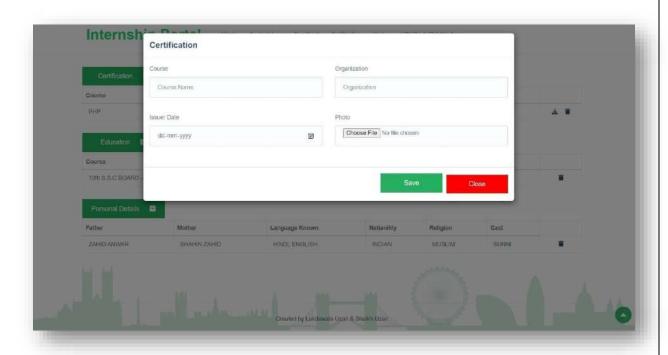
#### \* Profile:



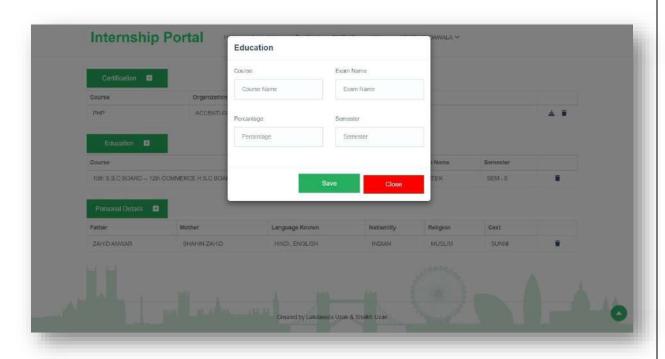
### \* Resume:



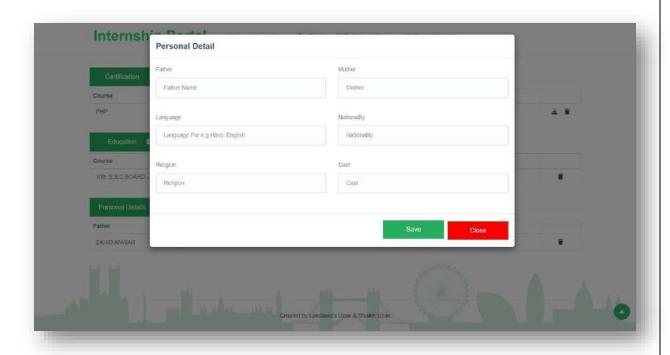
### \* Add Certification:



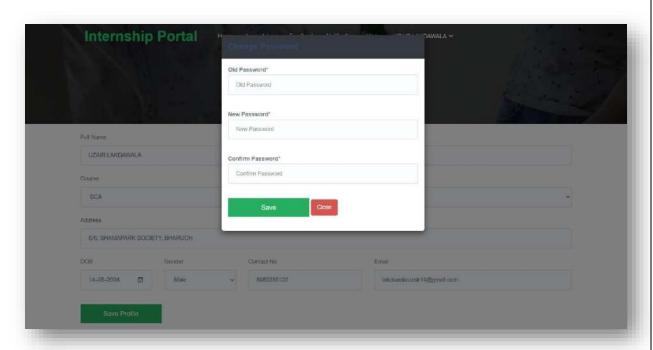
## **\*** Add Education :



### \* Add Personal Detail:

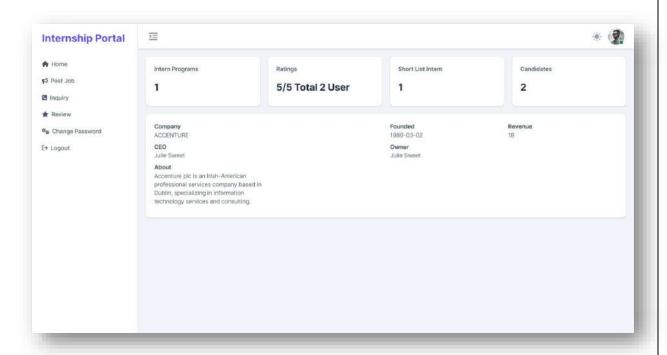


# **\*** Change Password :

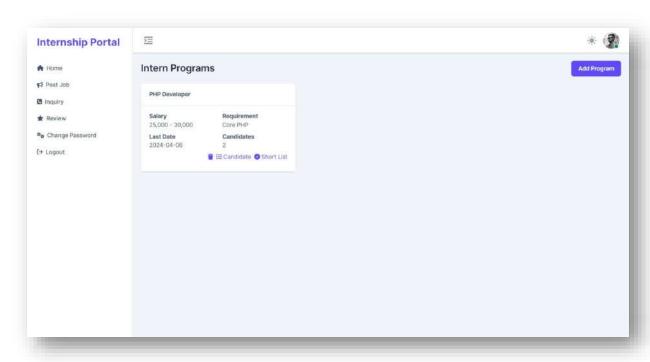


# **Company Side:**

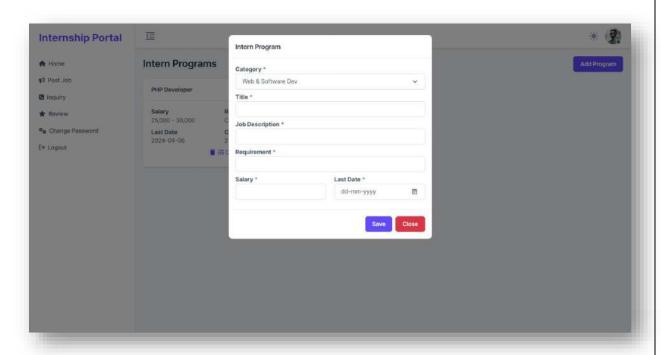
### **Dashboard**:



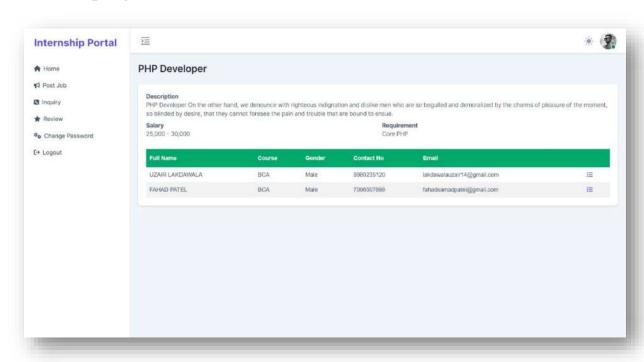
# **❖ Intern Program Posted Jobs :**



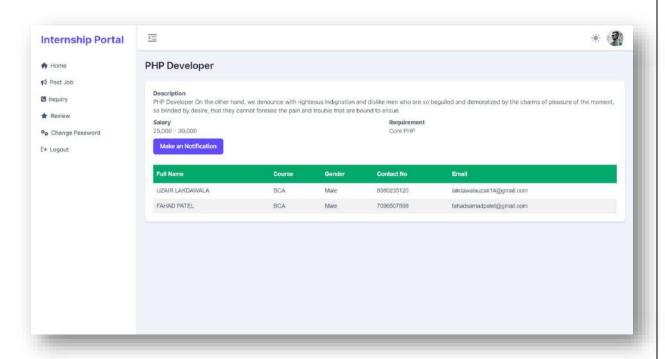
# **❖** Add Intern Program:



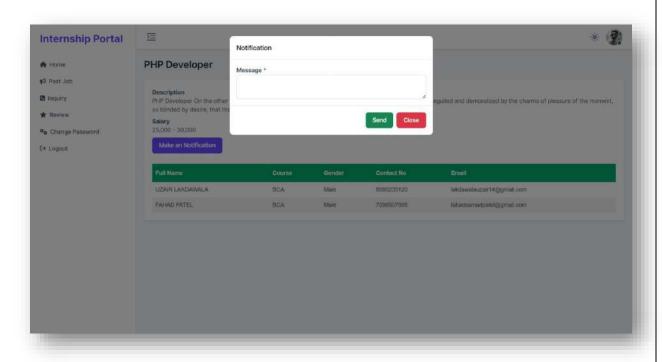
# **❖** Intern program Candidates :



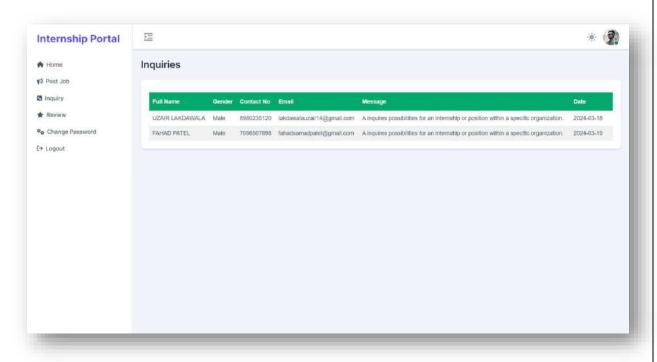
### **❖** Intern Shortlist:



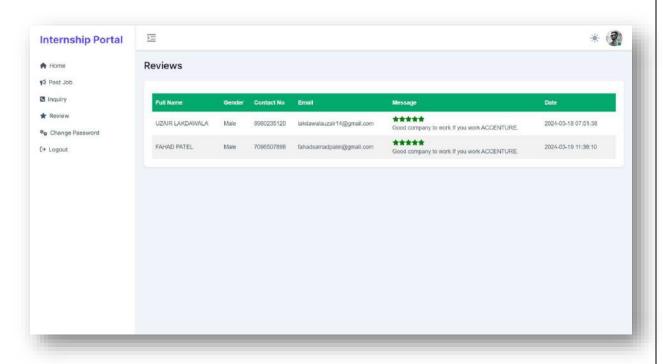
# **Send Notification:**



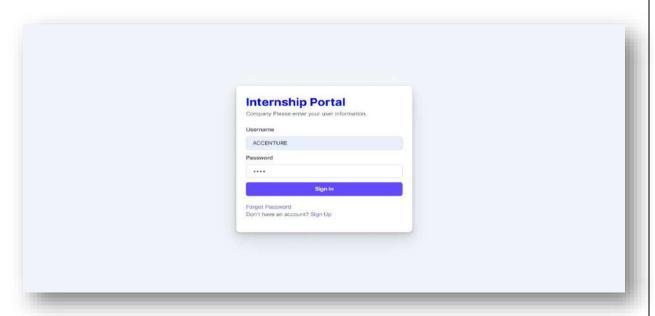
# **❖** Inquiries :



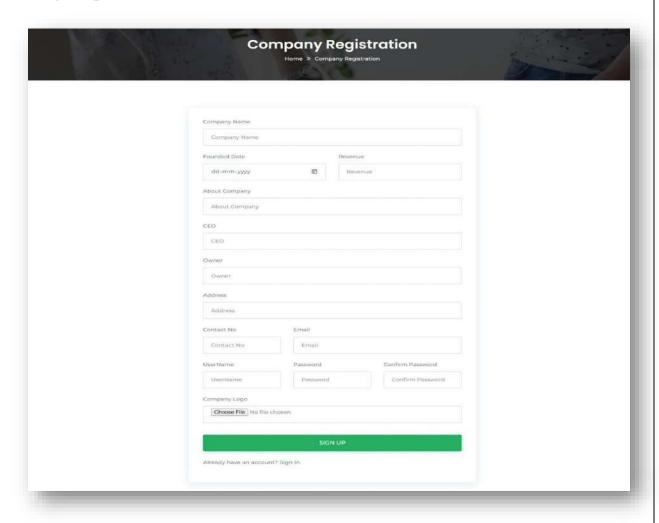
## **\*** Reviews :



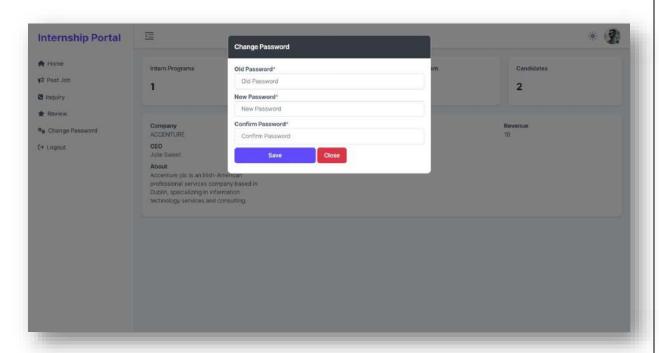
# ❖ Sign In:



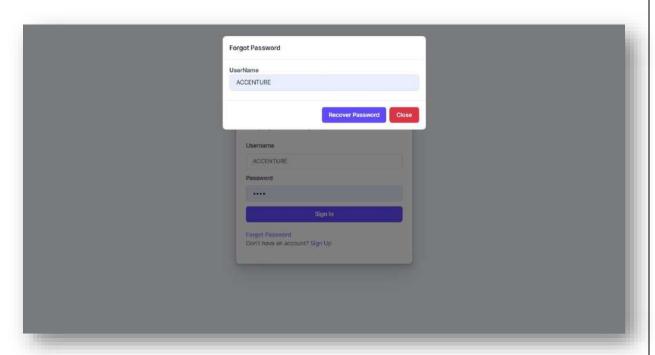
# \* Sign Up:



# **\*** Change Password :

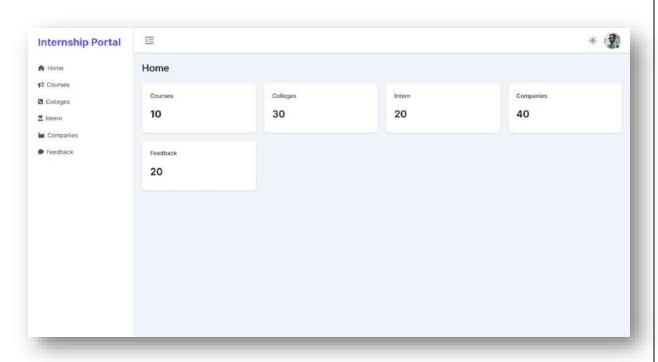


# **❖** Forget Password :

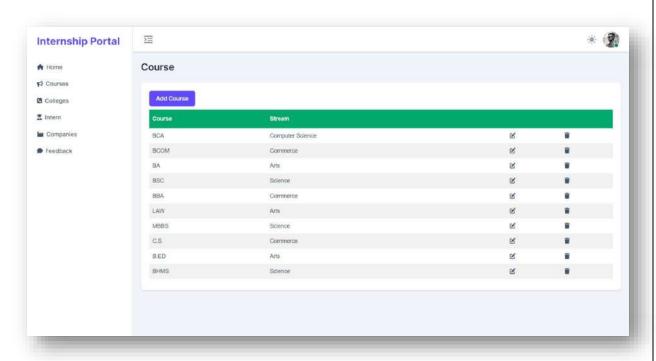


# **Admin Side:**

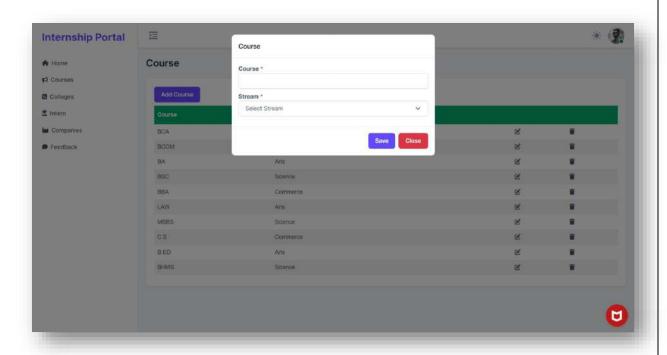
## **Dashboard**:



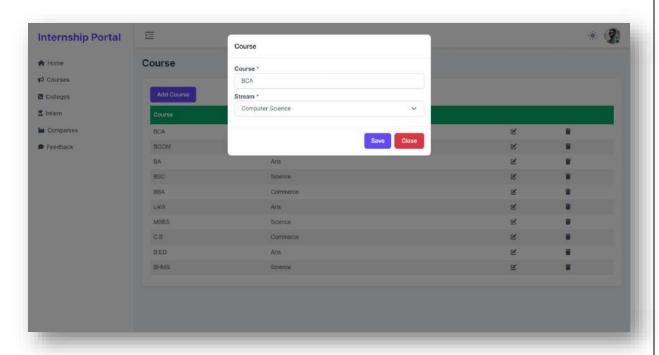
### **Courses:**



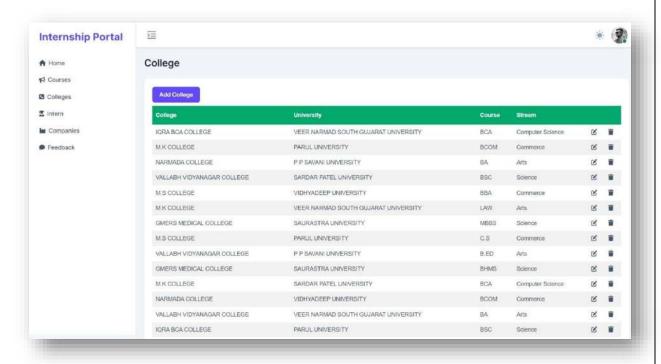
### \* Add Courses:



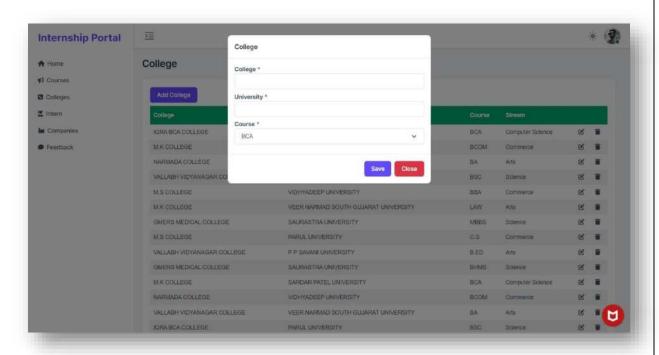
# **Update Courses:**



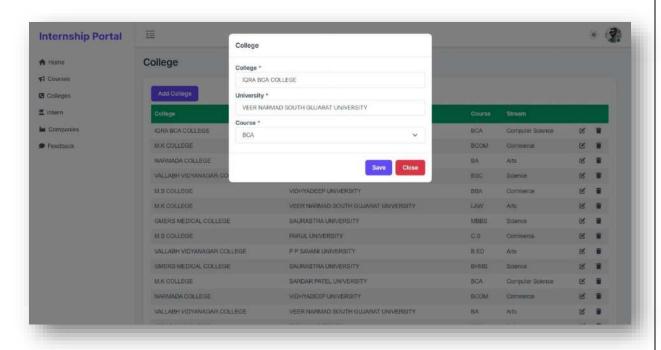
# **Colleges:**



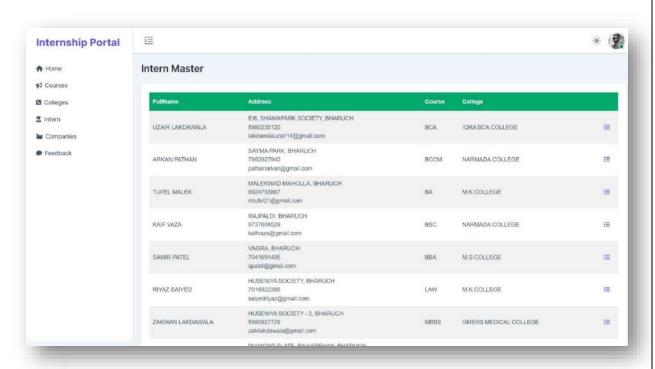
# **❖** Add Colleges:



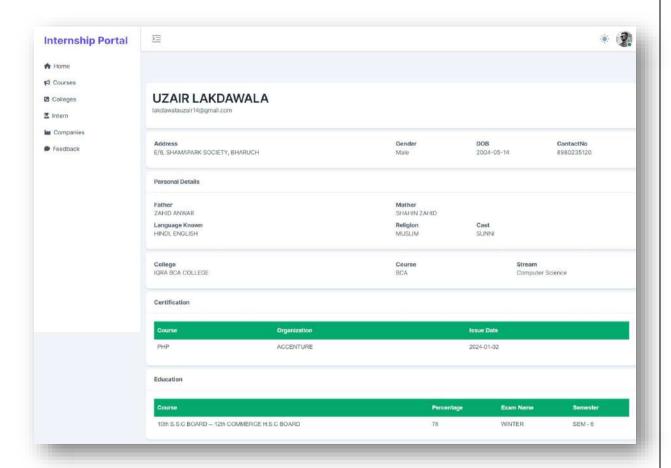
# **\*** Update Colleges:



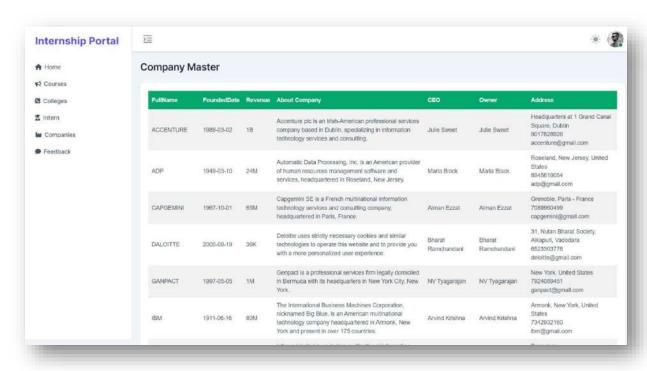
#### **!** Interns:



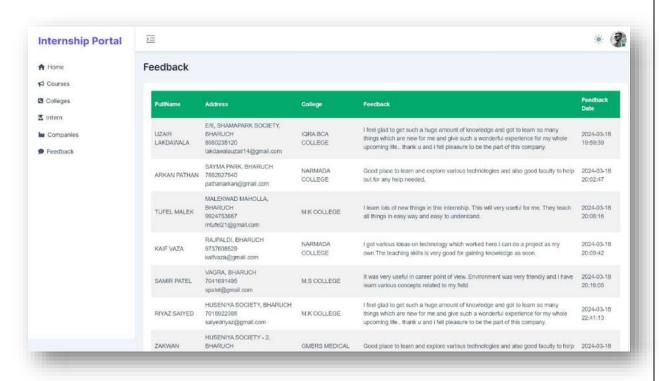
#### **❖** Intern Details:



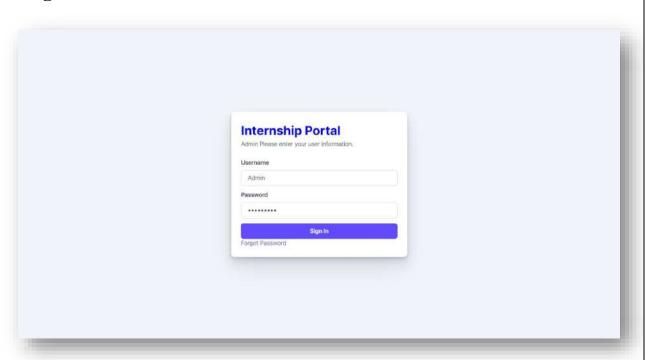
# **\*** Companies :



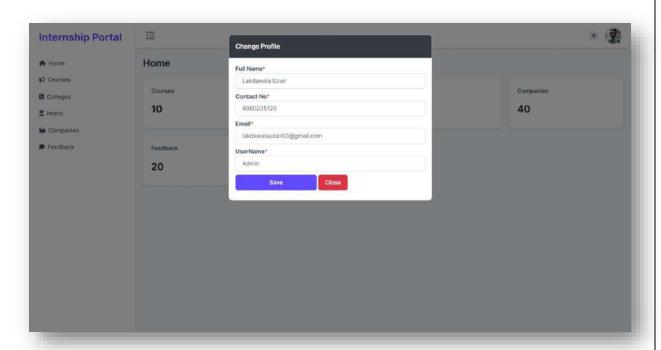
#### **❖** Feedbacks:



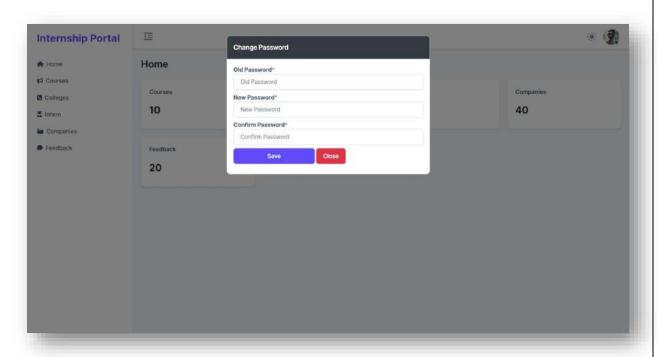
# ❖ Sign In:



# **\*** Change Profile:



# **❖** Change Password:



# 6. Future Enhancements:

These future enhancements aim to further enrich the internship portal's functionality, user experience, and value proposition, positioning it as a leading platform for connecting candidates with meaningful internship opportunities and supporting their professional development journeys.

- **1. Machine Learning Integration**: Implement machine learning algorithms to enhance the matching process between candidates and internship opportunities, providing more accurate recommendations based on historical data and user behavior patterns.
- **2. Personalized Recommendations**: Develop a recommendation engine that delivers personalized internship suggestions to users based on their profiles, preferences, and past interactions with the platform, improving the relevance and effectiveness of internship matches.
- **3. Virtual Internship Opportunities**: Introduce virtual internship opportunities that allow candidates to gain valuable experience remotely, leveraging technologies such as virtual reality (VR) and augmented reality (AR) to simulate real-world work environments and tasks.
- **4. Visual Representation:** Incorporate visual representations, such as graphs or charts, to display search results and filter options, making it easier for users to understand and interpret the data presented.
- **5. Global Expansion**: Expand the platform's reach to include internship opportunities from a wider range of geographic locations and cultural contexts, enabling candidates to explore international internship experiences and organizations to tap into diverse talent pools.

### 7. Conclusion:

In summary, our internship portal project is designed to connect recent graduates with internship opportunities offered by companies. Through intuitive user interfaces for candidates, companies, and administrators, we aim to simplify the internship search and application process.

By providing comprehensive search features, application tracking, and personalized recommendations, our portal empowers graduates to find internships aligned with their skills and interests efficiently. The administrative tools ensure smooth operation and security, facilitating seamless management of user accounts and internship postings.

Ultimately, our project bridges the gap between academia and industry, fostering collaboration and facilitating the professional growth of aspiring young professionals. With continued refinement, we envision our internship portal becoming an indispensable resource for graduates embarking on their career journeys.

# 8. References:

Special thanks to our honourable principal sir Mr. Swapnil Roy who supported us throughout the project and gives us his precious time for solving our queries .

- https://www.w3schools.com
- www.stackoverflow.com
- www.sourcecodester.com
- codewithharry/youtube.com
- www.codeingninja.com
- www.aspsnippets.com
- www.jetbrain.com