

A

Project Report on

Company Systems Workflow Mapping



Submitted to:

Department of Computer Engineering
Cusrow Wadia Institute of Technology, Pune – 411001

By:-

- | | |
|------------------------------|--------|
| 1. Sarvesh Anand Mankar | 194009 |
| 2. Gourav Balaji Suram | 194028 |
| 3. Umer MohmmadRafiqu Shaikh | 194032 |

A

Project Report on

Company Systems Workflow Mapping



Under the guidance of
Prof. R. P. Shete

Submitted By:-

- | | |
|------------------------------|--------|
| 1. Sarvesh Anand Mankar | 194009 |
| 2. Gourav Balaji Suram | 194028 |
| 3. Umer MohmmadRafiqu Shaikh | 194032 |

Department of Computer Engineering
Cusrow Wadia Institute of Technology, Pune – 411001
(2021 - 2022)



RichTech it

Office No. G-22, 2nd Floor, Shanti Kunj Building, Opp. G.P.O. Pune 411 001. Maharashtra INDIA.
Tel. : [+91] 20 30923123, 56005878 • E-mail : info@richtechindia.com

PROJECT ACCEPTANCE LETTER

To whomsoever it may concern

We received your request for our firm to be one of your major sponsors for your Final Year Project. We certify that we are sponsoring Sarvesh Mankar, Gourav Suram and Umer Shaikh, students of Cusrow Wadia Institute of Technology for Company System Project.

We have found the proposed project to be very significantly useful, especially during this modern age of technology and digital advancement.

On behalf of RichTech IT., I am pleased to inform you that we have gone through and appreciate your proposed project of Company System which includes employee and client management, project management, Invoice and Report generator, recruitment platform, etc.

We would be offering sponsorship of 6,000 INR for the project and would co-operate them with all their queries and issues that are related to the Project. Payment and other aids will be progressive according to the project execution.

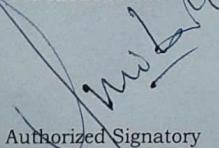
We feel that your proposal fits best with our requirements and is fulfilling our expectations. We believe that this proposal can do justice to what we want as we are always in hunt for new talents and outstanding ideas leading to new horizons in research and development. Hence we wish to accept your proposal.

Our offer reflects our belief that you have the ability and desire to grow in technical expertise with us. We assure you of our support for your professional development and growth.

Wish you a long and rewarding career with RichTech IT.

You're sincerely,

For RichTech IT


Authorized Signatory

www.richtechindia.com

CERTIFICATE



This is to certify that the below mentioned third year diploma students have carried out the project work on “Company Systems Workflow Mapping” in the department of Computer Engineering, Cusrow Wadia Institute of Technology, Pune-1. They have completed this project work under my guidance and in satisfactory manner in July 2022 of third year diploma.

1. Sarvesh Anand Mankar 194009
2. Gourav Balaji Suram 194028
3. Umer MohammadRafiq Shaikh 194032

Computer Engineering students have successfully completed project on “Company Systems Workflow Mapping” towards the fulfilment of their Diploma in Computer Engineering in academic year 2021-2022.

Date: 16/07/2022

Prof. R.P. Shete
Guide

Dr. A. S. Chandak
I/C H.O.D Computer Dept.

Prof. V.R. Rao
Principal

Table Of Contents

Sr. No.	Contents	Page No.
1.	Introduction	6
2.	Acknowledge	7
3.	Abstract	8
4.	Keywords	9
5.	Presently Available System	10
6.	Need of such System	11
7.	Detailed Problem System	12
8.	Hardware and Software Requirement	13
9.	System Design	14
	9.1 ER Diagram	14
	9.2 Use Case Diagram	15
	9.3 Class Diagram	17
	9.4 Activity Diagram	18
	9.5 Data Flow Diagram	19
	9.6 Flow Diagram	22
	9.7 Sequence Diagram	23
10.	Application Preview	24
11.	Salient Features	46
12.	Future Prospect	48
13.	References	49

1. Introduction

In this world of growing technologies everything has been computerized. Most of the daily routine tasks needs to be automated to increase the proficiency in the work. With large number of demands and working opportunities the data size has been increased. This there is a need of a system which can handle the data efficiently. This project simplifies the task to maintain each and every working group of the organization. It stores the data efficiently and makes sure that it is used effectively.

The Company Management System has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by the organization. Moreover, this system is designed for the particular need of the organization to carry out operations in a smooth and efficient manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves its user friendly.

The Company Management System will have certain roles that will perform the Top-Level Management tasks, certain roles for performing Mid-Level Management tasks and Employee role which enhance the integrity of the company. The tasks are assigned and completed in a agile manner.

2. Acknowledgement

We take this opportunity in expressing the fact that this project report is the result of incredible amount of encouragement, co-operation and moral support that we have received from our beloved teachers, mentors and colleagues.

We are privileged to present the project report on “Company Management System – Organization Workflow Mapping” and to express our deep regards towards those who have offered their valuable time and guidance in our hour of need because when any work is to be completed successfully it should be supported and guided by knowledgeable mentors.

“No one achieves success does so without acknowledging the help of others. The wise and confident acknowledge this help with gratitude.”

~Alfred North Whitehead

We are highly indebted to “Dr. A. S. Chandak (H.O.D Computer Dept.)” and our project guide Prof. R. P. Shete for her guidance and constant supervision as well as providing necessary information regarding project and also for their support in completing project.

We would like to express our gratitude towards our sponsors and members of computer engineering department for their kind co-operation and encouragement which helped us in successful completion of this project.

- | | |
|----------------------|--------|
| 1. Sarvesh A. Mankar | 194009 |
| 2. Gourav B. Suram | 194028 |
| 3. Umer M. Shaikh | 194032 |

3. Abstract

There are numerous of activities which needs to be performed for the smooth flow of the company. Handling these tasks manually would take lot of time and will affect the outcome adversely. “Time is Money”, which brings our Company System into picture. This project helps to reduce the manual tasks, and computerizes the various assets that will boost the company’s progress.

“Company Management is like juggling three balls: time, cost and quality. Company management is like a troupe of circus performers standing in a circle, each juggling three balls and swapping balls from time to time.”

~ G. Reiss

The Project will allow admin to add new employees, managing their work, adding new client projects, assigning work to employees, marking employee attendance, managing Project files & reports, salary management, invoice and receipt generation, etc. which makes the whole organization managed effectively by using a single application.

Every organization, whether big or small, have multiple assets which need to be managed properly in order to achieve maximum profits, therefore we designed exclusive Company Management System that adapt to all the managerial and daily routine requirements. This is designed to assist in strategic planning and will help you ensure that your organization is able to achieve its goals. This system ultimately allows you to better manage resources.

4. Keywords

Employee Management System, Training Programs, Hiring System, Evaluation Platform, Employee Assessment System, Project Management System, Client Management System, Finance Structure, Invoice generation, Report generation, Attendance System, Salary System, Responsive Pages, Database Management.

5. Presently Available System

A Company not only needs automation but also to maintain the workflow and make reliable updates to maintain the stage as planned. Having a distinctive software helps to boost the enterprise tasks resulting into the growth of the firm. The identification of the needs and implementation of the current and future demands are essential for any organization.

The current system includes bunch of manual tasks which eventually slows down the time period of the firm. Having an automation system will help to do the frequent tasks with much swifter and robustness.

Some of the renowned Company System software are Zoho One, Scoro, StudioCloud, Odoo, BaseCamp, NetSuit, Clarizen, etc. and their common features are:

1. User-Friendly Interface.
2. Mobile Accessibility.
3. Structured Task Planning.
4. Task Scheduling.
5. Task Tracking.
6. Task Communication.
7. Integrated Time Tracking.
8. Collaborative Features.

6. Need of Such System

A good change is the one that happens gradually - the business and employees also need some time to adjust to the newly implemented system. The manual system will reduce the efficiency in the communication which can create complication in the updates of the projects. As a result, a responsible firm needs management system to track the activities and improvise them to maximize the profits and to stand against stiff competition in the market.

Benefits of Company System

1. **Enhanced management** - well-organised and systematised business processes.
2. **Increased employee engagement** - each member of staff is actively involved in the decision-making processes thanks to an excellent information flow.
3. **Collaboration** - cross-functional teams working along to achieve specific company goals.
4. **Simplicity** - things are operating smoothly, easily and efficiently; the system is user-friendly, which makes navigating between different screens seamless and effortless for anyone with access rights.
5. **Costs** - an all-in-one business management solution will save you money that you would otherwise have to pay for each individual piece of software providing various services.
6. **Accessibility** - allows you to access the parts of the system that you need regardless of time or place and, at the same time, prevents those with no access rights from entering; it simply matches access to responsibilities and ensures that the information stays secure.
7. **Avoiding errors** - with business management software, you only introduce the information once and the system will take care of the rest; this automation leaves no room for any error whatsoever.

7. Detailed Problem Statement

Whether a large or small organization, it has to manage multiple tasks at the same time. Manually doing all those tasks lacks in efficiency and also takes a lot of time. Managing all the paper work is also a challenging task, so now a days there is a demand of having all the task managed from a single compact workspace that will make an organization easy to coordinate between different departments.

To create a better environment and workspace for each client as well as the employee is vitally important to run the routine cycle of the firm.

Company system offers all the required feature required by a firm to perform the ongoing tasks and create a convalescent domain. Main aim of the Company System is to keep healthy workplace.

8. Hardware and Software Requirements

Hardware Requirements

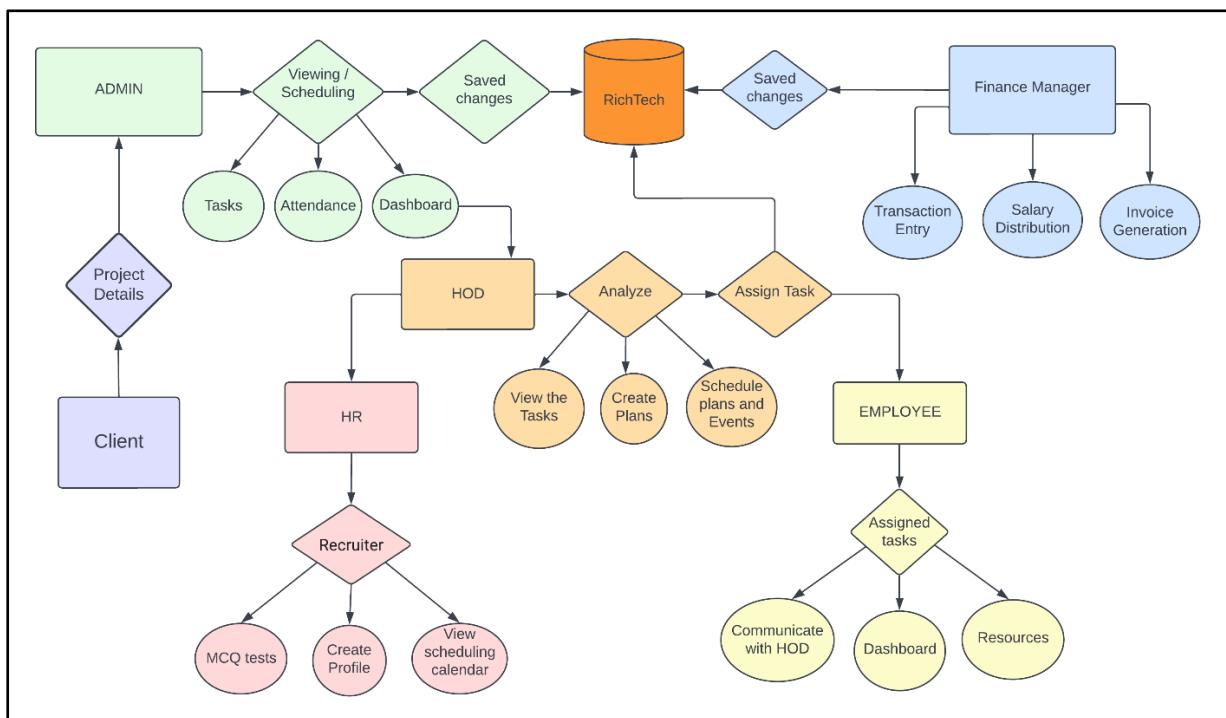
- Processor : Intel i5 5th Generation
- Cores : 4
- Processor Speed : 3.0 GHz
- RAM : 4 Gigabytes
- SSD : 1024 Megabytes
- Speed : 1.10 GHz
- Clock Speed : 2.4 GHz
- Graphics : Intel Iris XE

Software Requirements

- Operating System : Windows 11 / Linux
- Application : Xampp, Apache Server
- Tools and utilities : PHP Server, Git Bash
- IDE : VSCode, NVIM, Vi, Sublime
- Front End : HTML, CSS, JS
- Framework : Bootstrap
- JavaScript Libraries : jQuery UI, jQuery Migrate, Data-Tables.

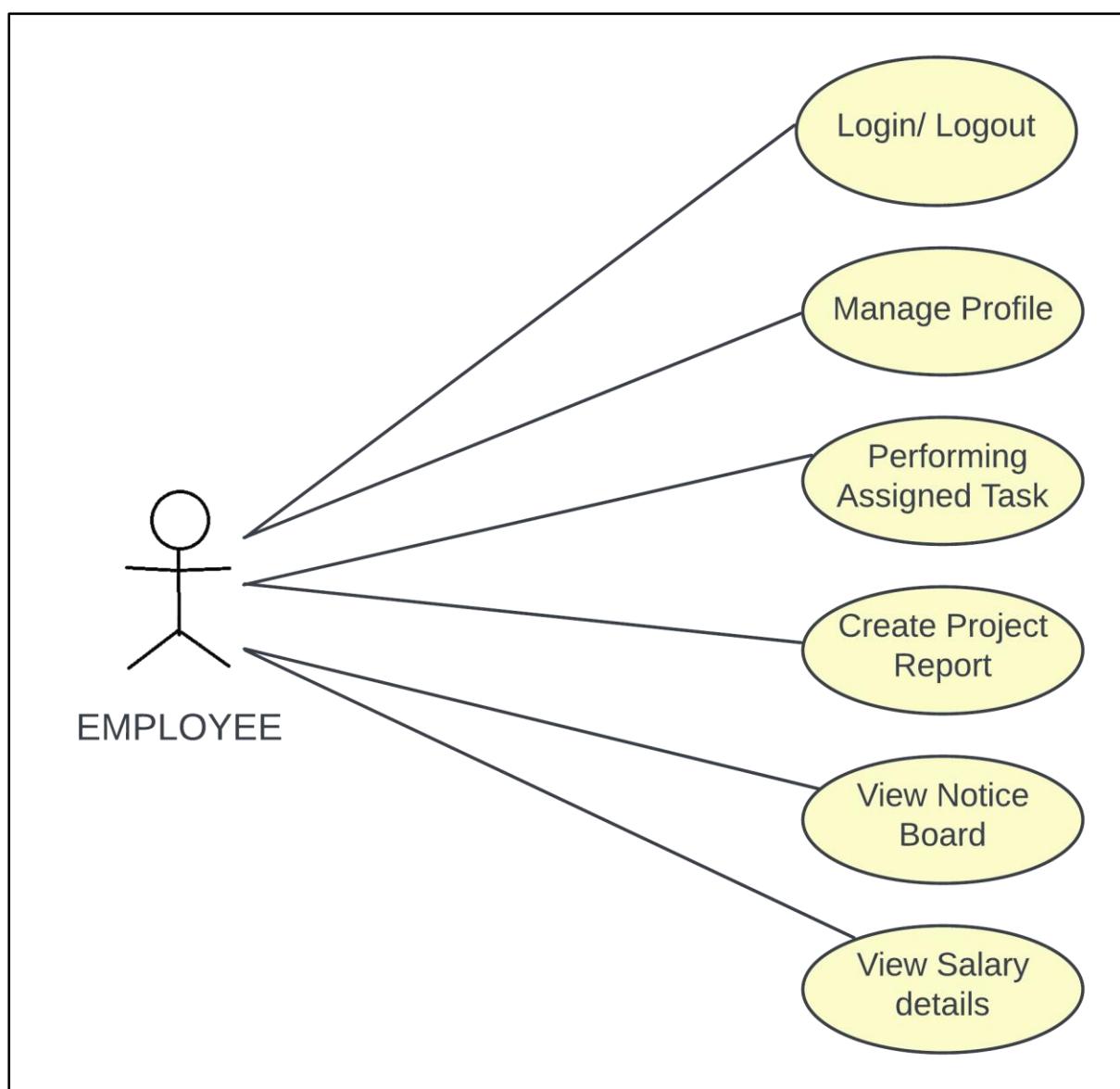
9. System Design

9.1 ER Diagram

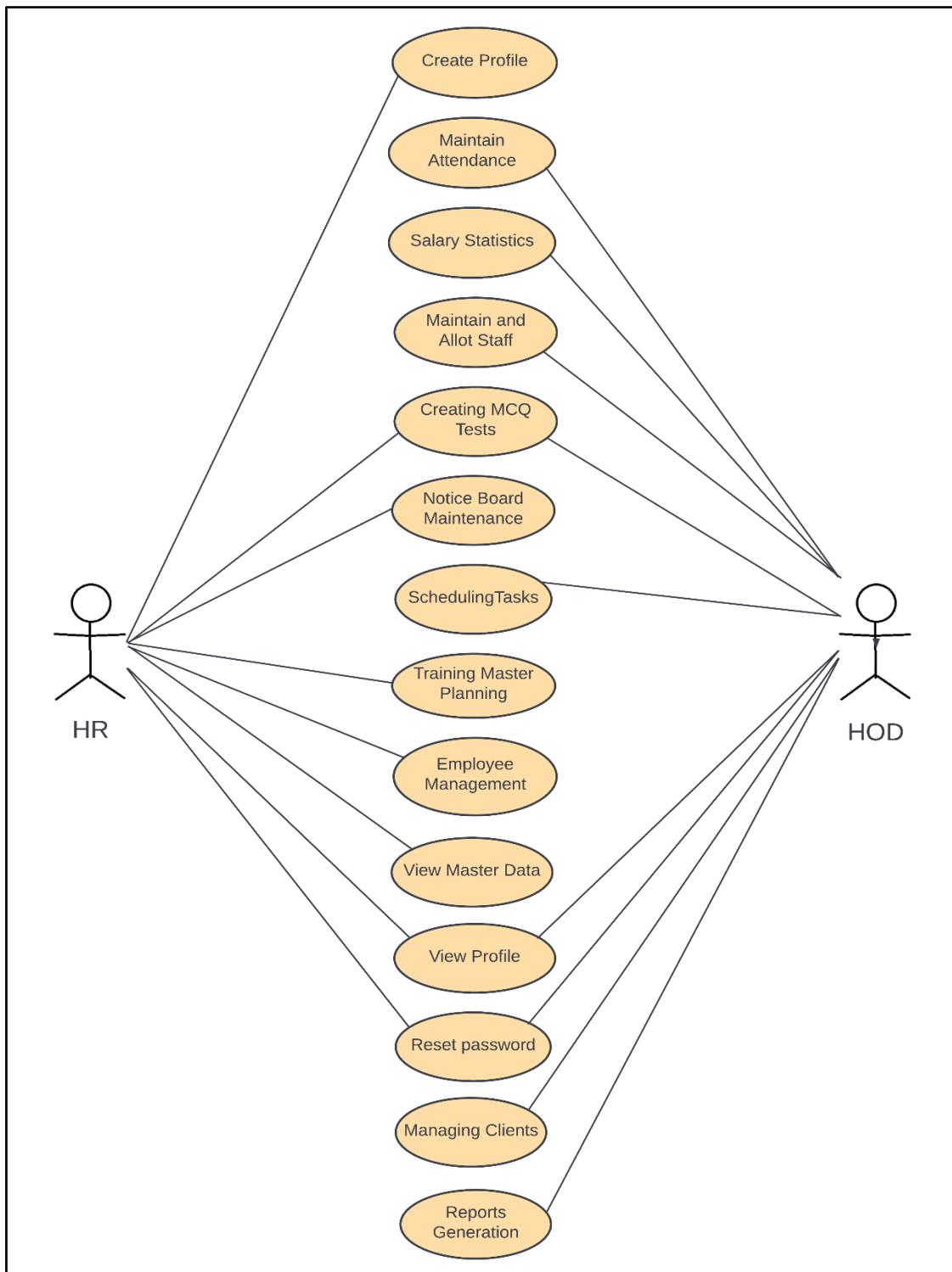


9.2 Use Case Diagram

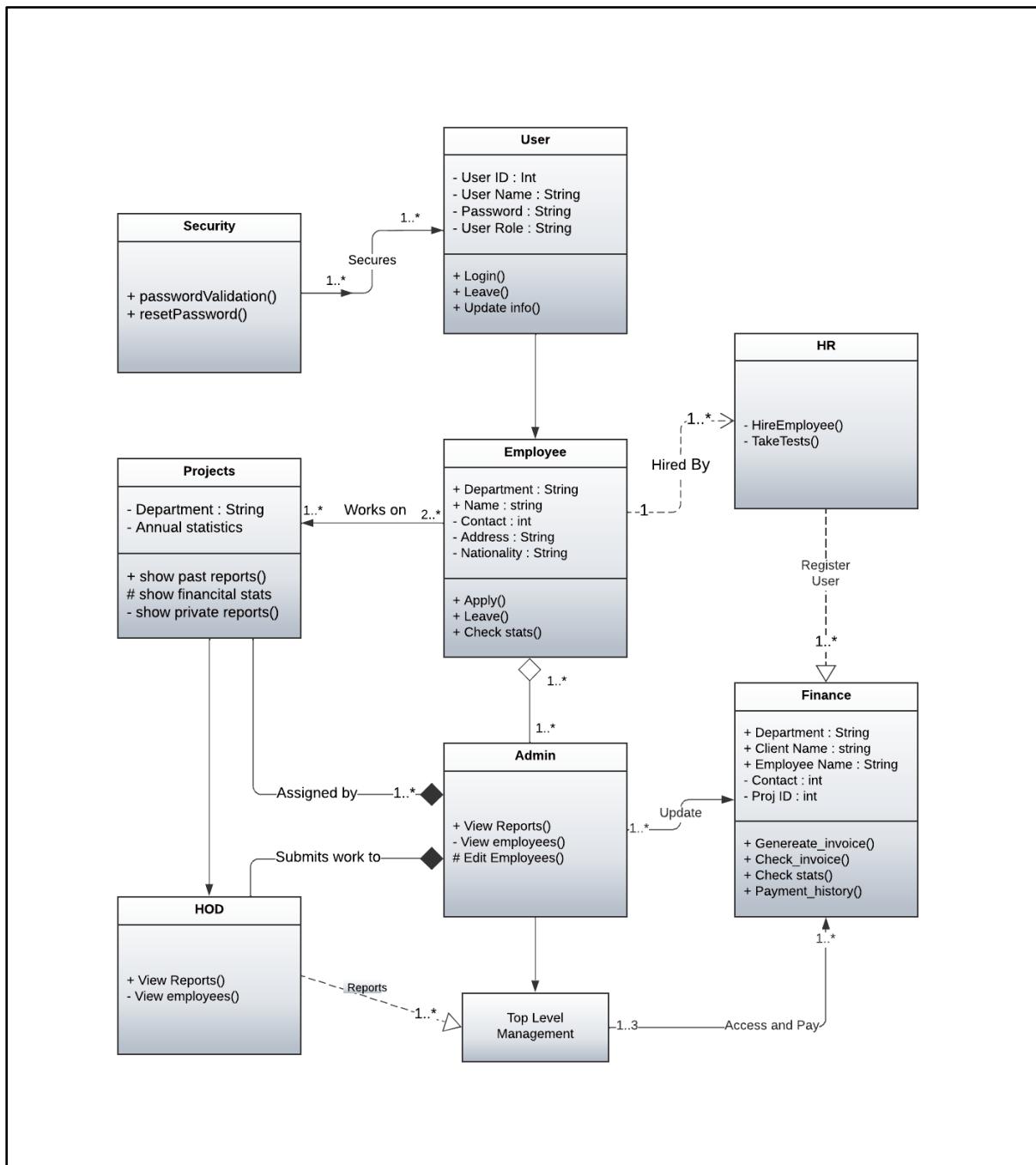
9.2.1 Employee



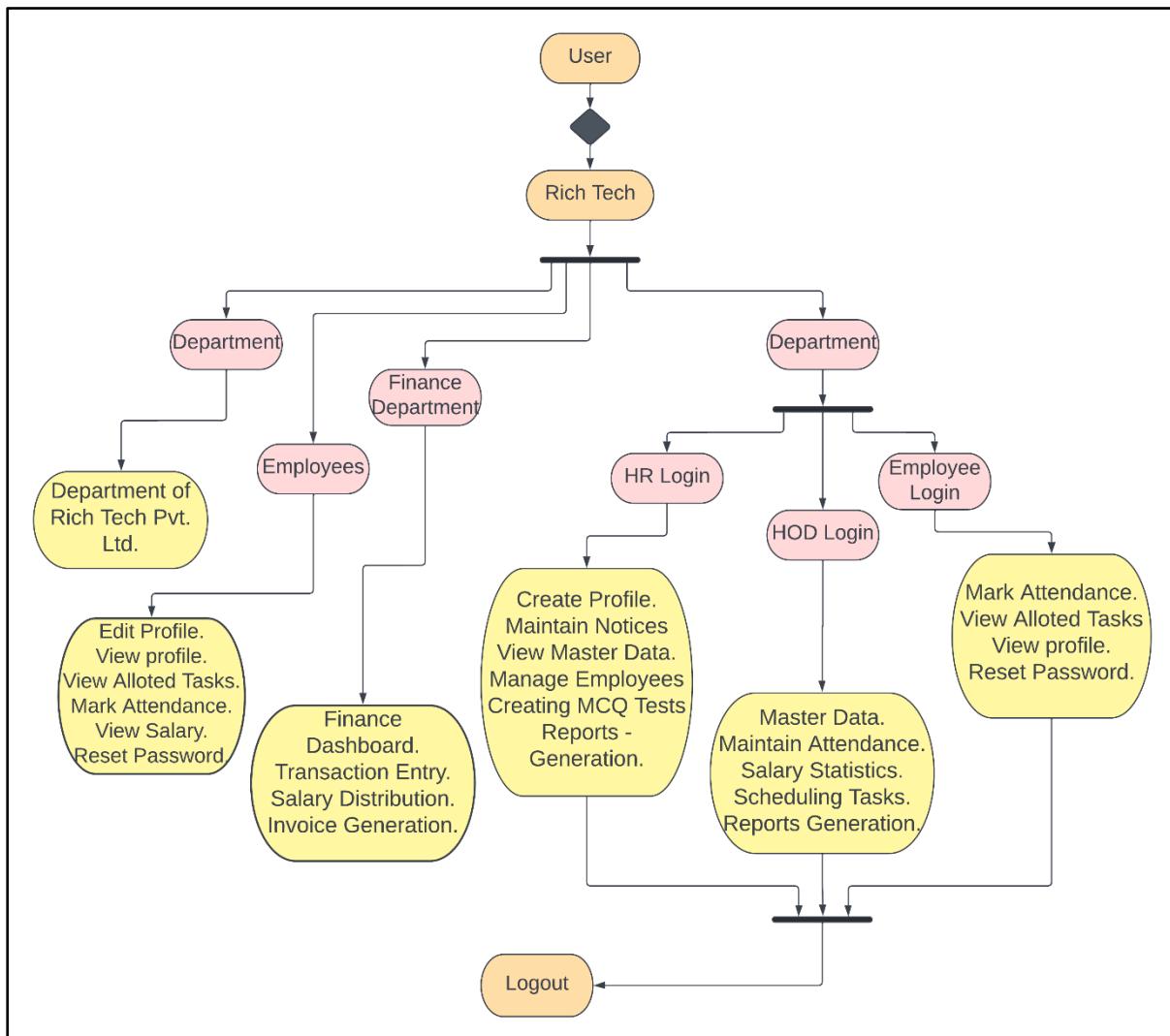
9.2.1 H.O.D and H.R



9.3 Class Diagram

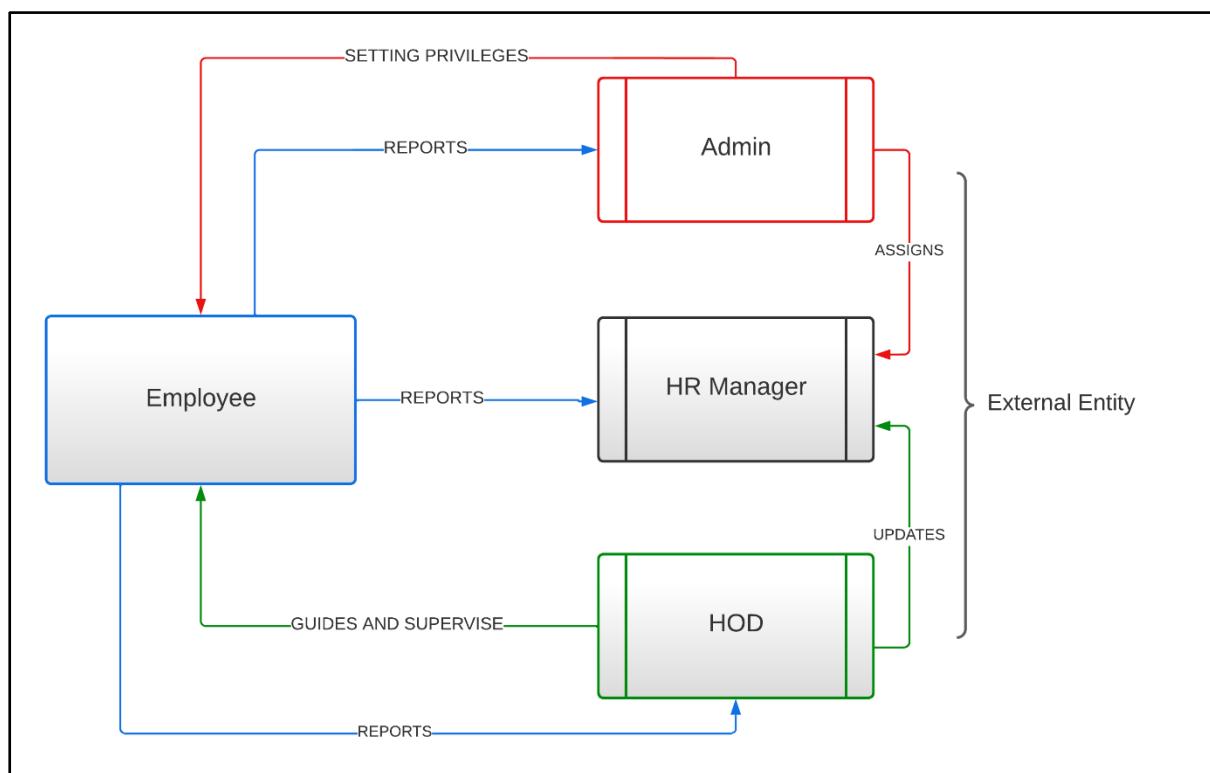


9.4 Activity Diagram

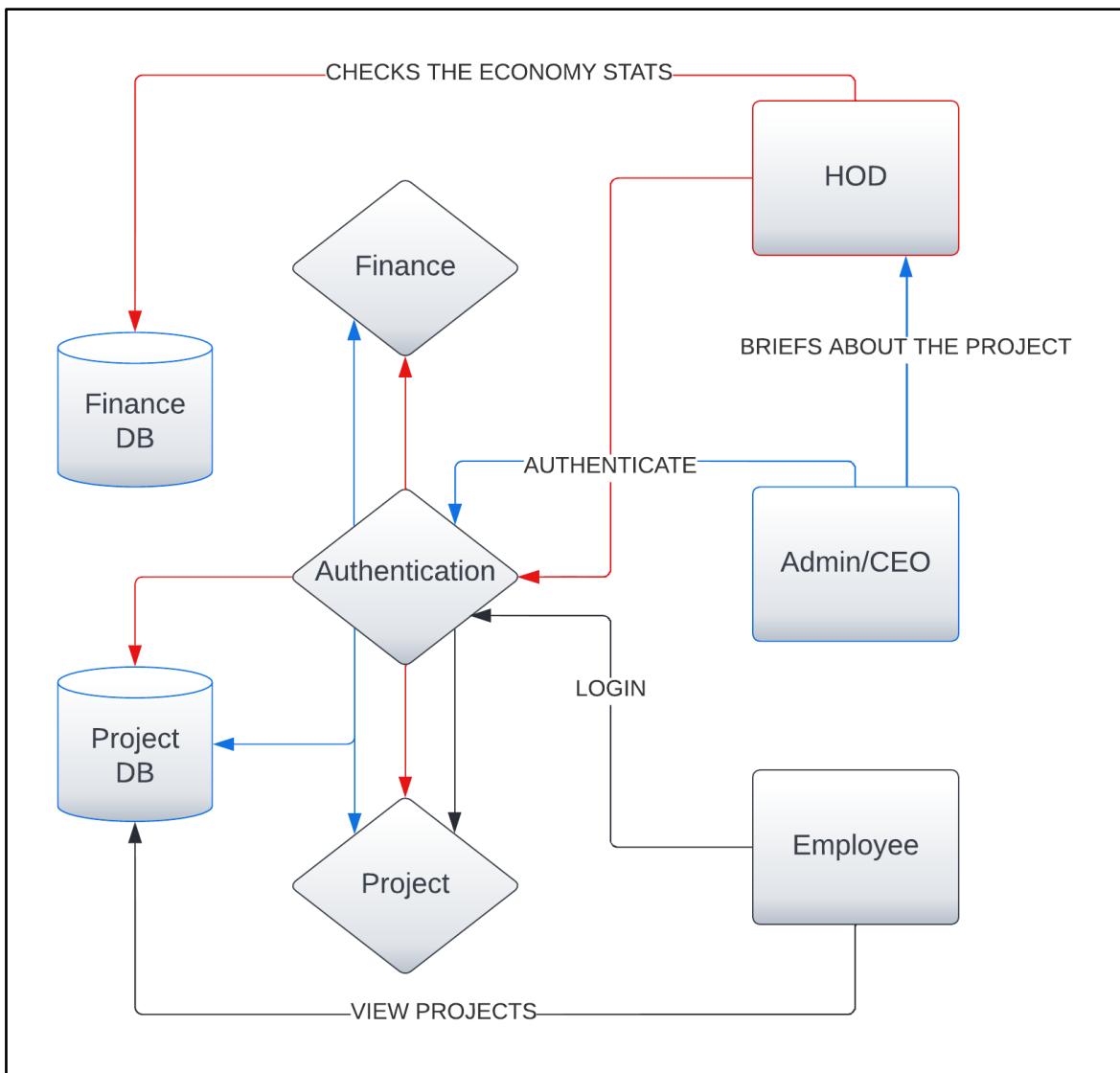


9.5 Data Flow Diagram

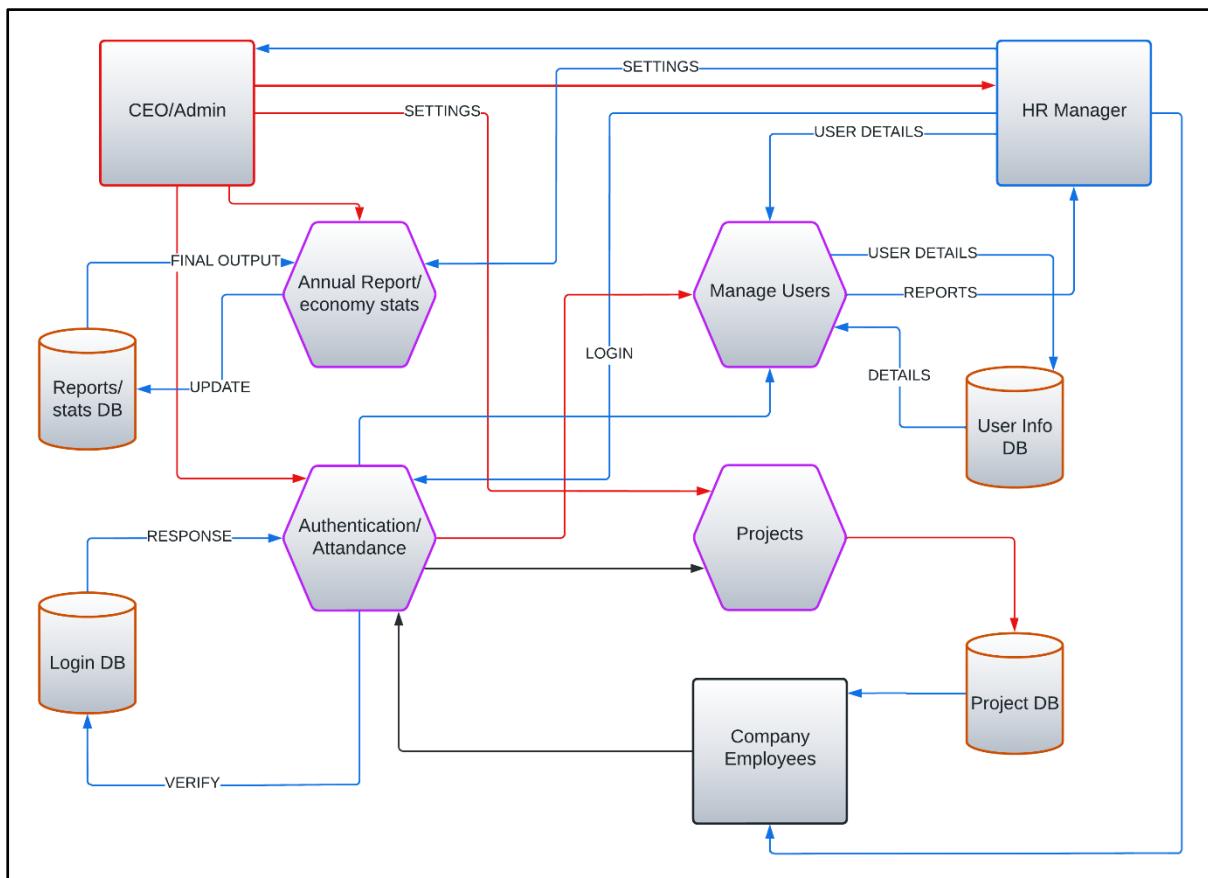
9.5.1 DFD Level 0



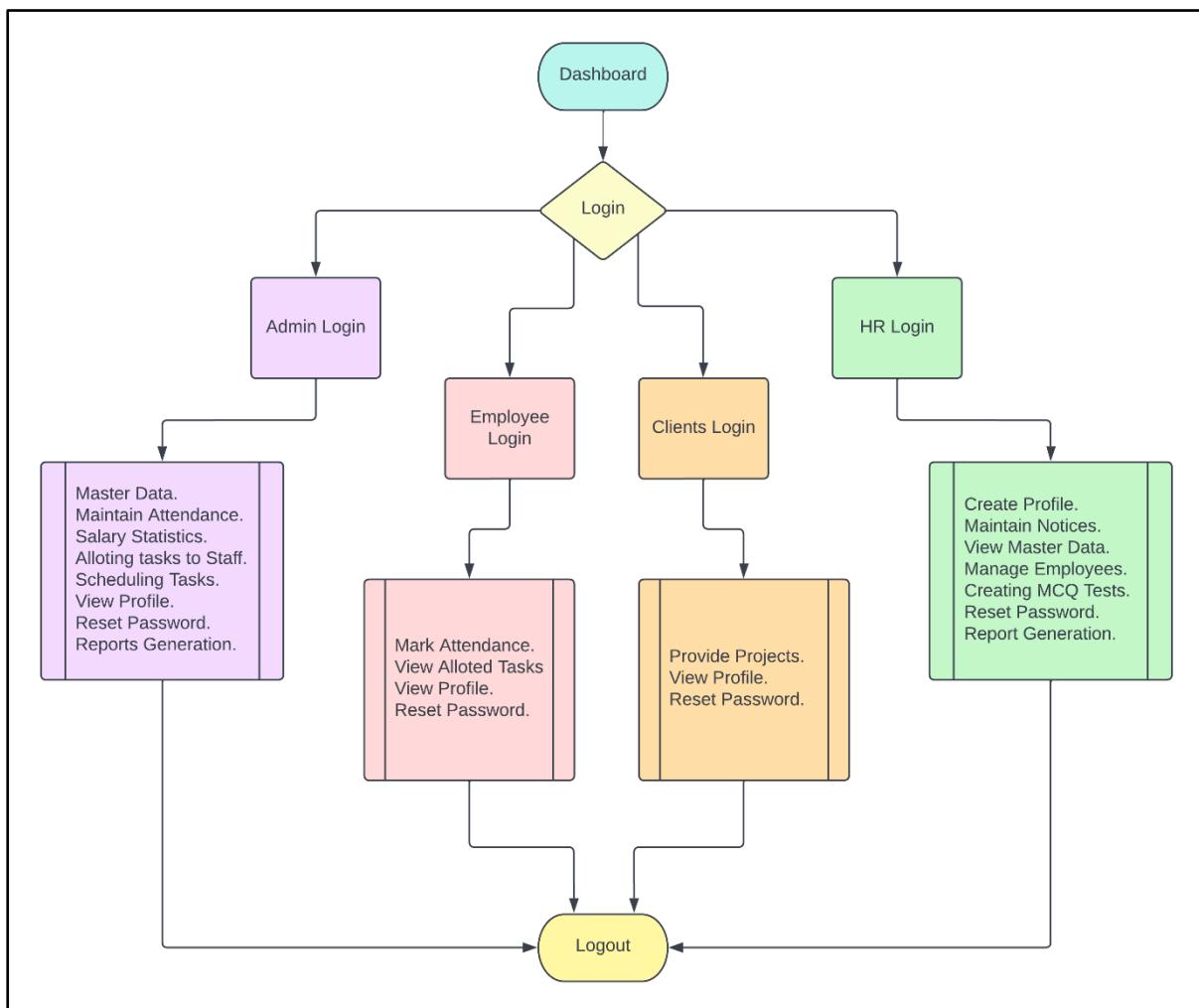
9.5.2 DFD Level 1



9.5.3 DFD Level 2



9.6 Flow Diagram



9.7 Sequence Diagram



10. Application Preview

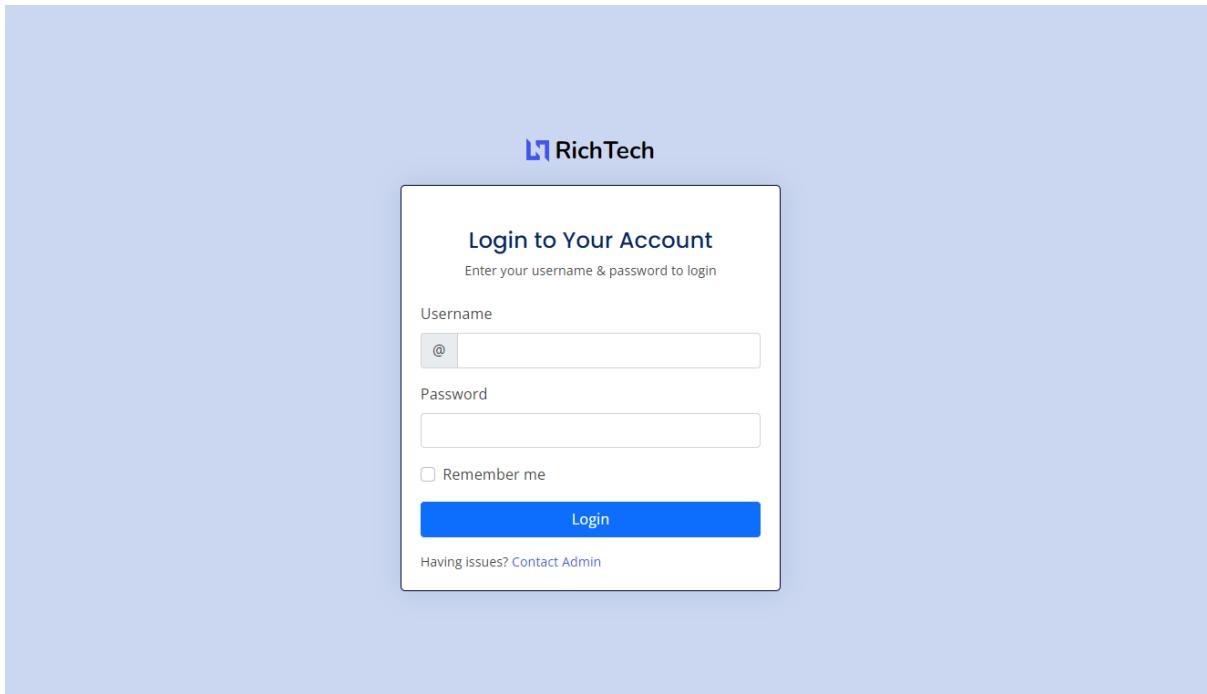


Fig 1: Login Screen

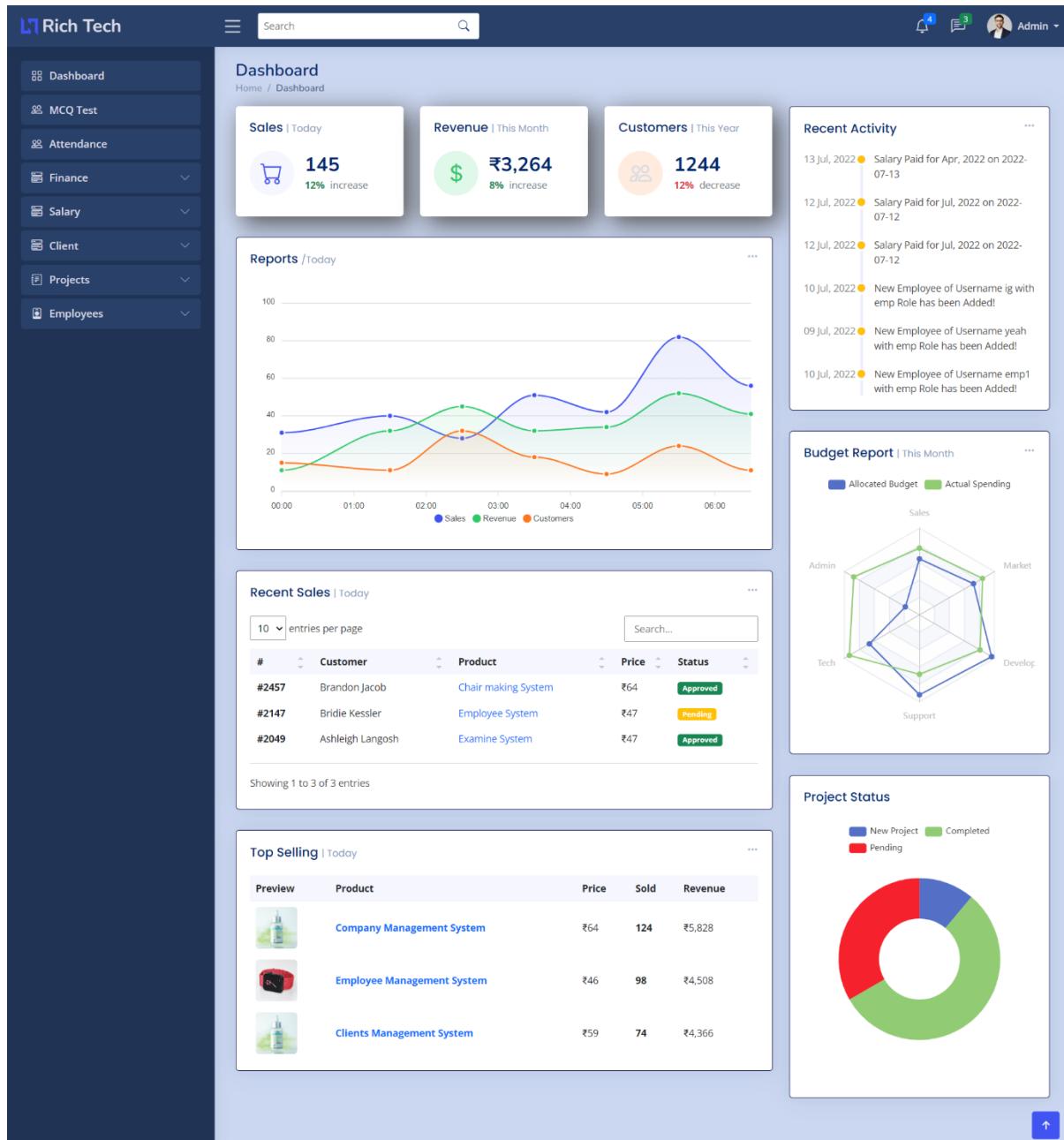


Fig 2: Admin Dashboard

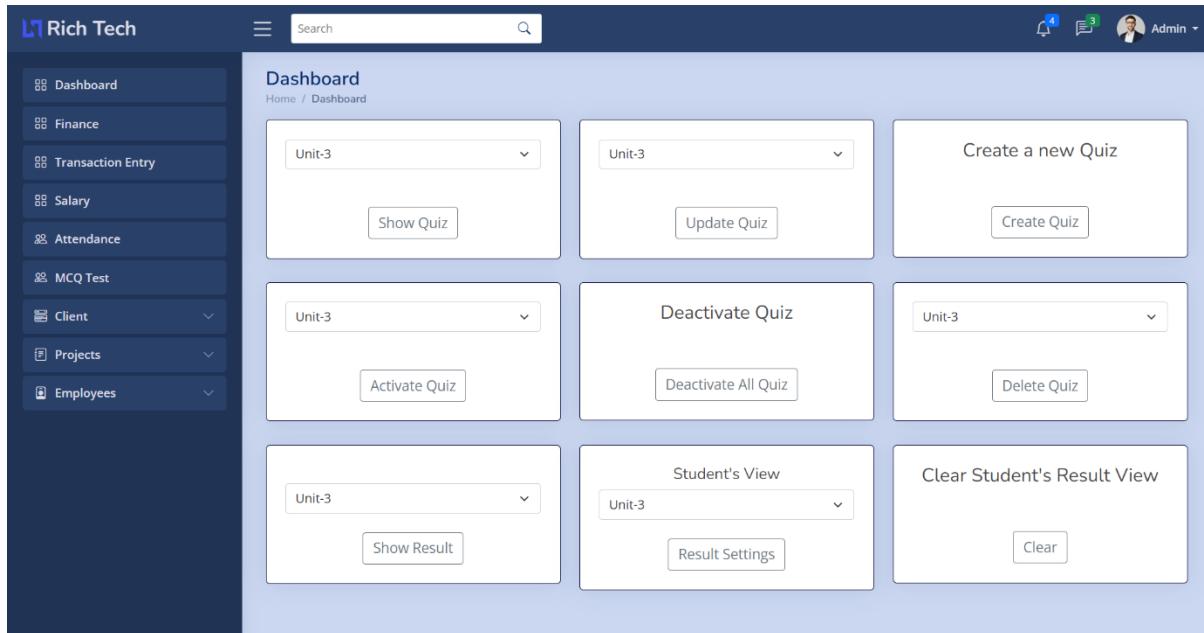


Fig 3: MCQ Dashboard

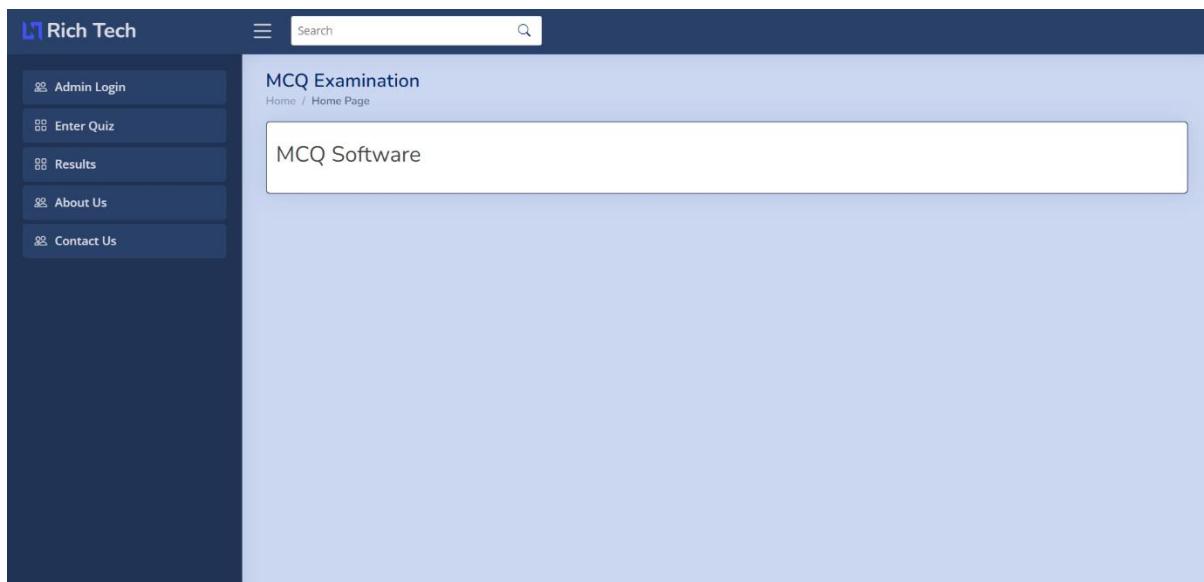
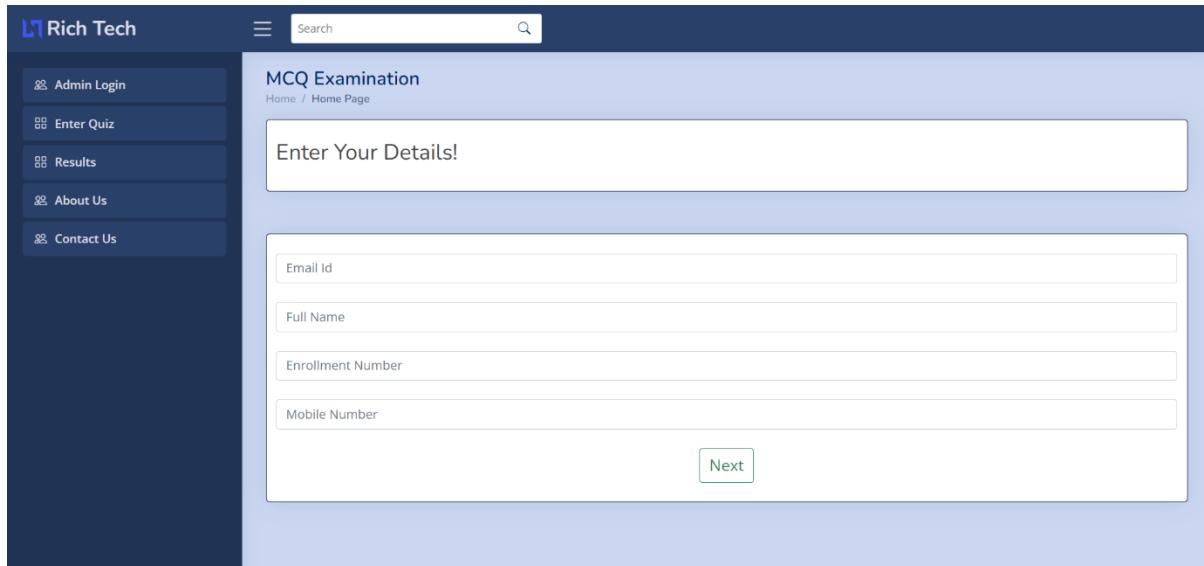
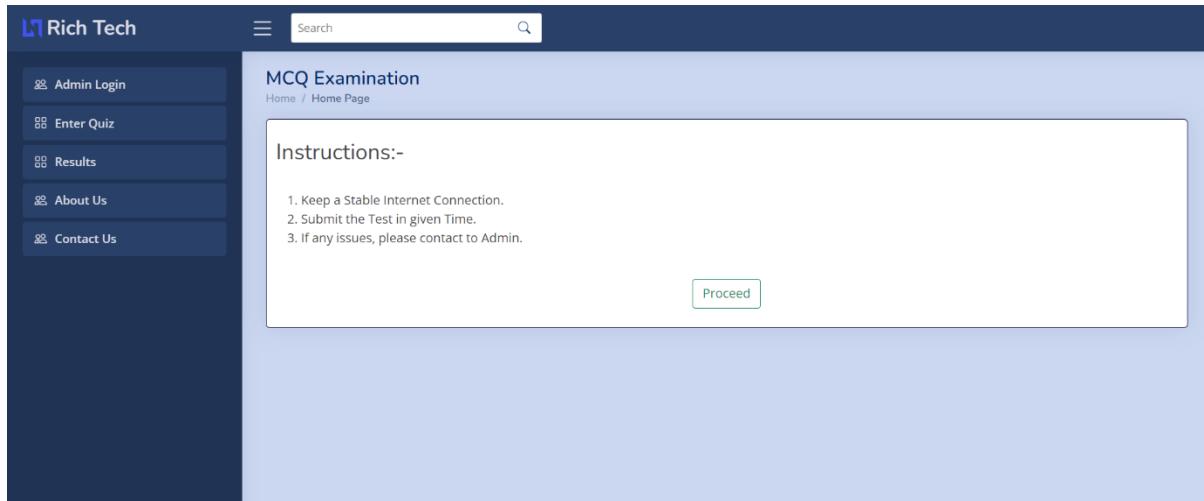


Fig 4: MCQ Dashboard – Candidate



The screenshot shows a web application interface for an MCQ examination. The header features a logo for 'Rich Tech' and a search bar. On the left, a sidebar contains links for Admin Login, Enter Quiz, Results, About Us, and Contact Us. The main content area is titled 'MCQ Examination' and shows the path 'Home / Home Page'. A large text box prompts 'Enter Your Details!'. Below it are four input fields: 'Email Id', 'Full Name', 'Enrollment Number', and 'Mobile Number'. A green 'Next' button is positioned at the bottom right of the input area.

Fig 5: MCQ – Fill up form



The screenshot shows the same web application interface. The main content area is titled 'MCQ Examination' and shows the path 'Home / Home Page'. It displays a section titled 'Instructions:-' containing three numbered points: '1. Keep a Stable Internet Connection.', '2. Submit the Test in given Time.', and '3. If any issues, please contact to Admin.'. A green 'Proceed' button is located at the bottom right of this section.

Fig 6: MCQ – Instructions

The screenshot shows a web application interface for a 'MCQ Examination'. The left sidebar has links for Admin Login, Enter Quiz, Results, About Us, and Contact Us. The main content area has a search bar at the top. Below it, the title 'MCQ Examination' and 'Home / Home Page' are displayed. A large white box contains the question 'Unit-3'. Underneath, there are two sets of questions with multiple choice answers.

Which of the following are valid function names?

- i) function()
- ii) .function()
- iii) €()
- iv) \$function()

Only iv)

Only ii) and i)

Only iii)

None of Above

Which functions is used to find position of first occurrence of a particular character in a string?

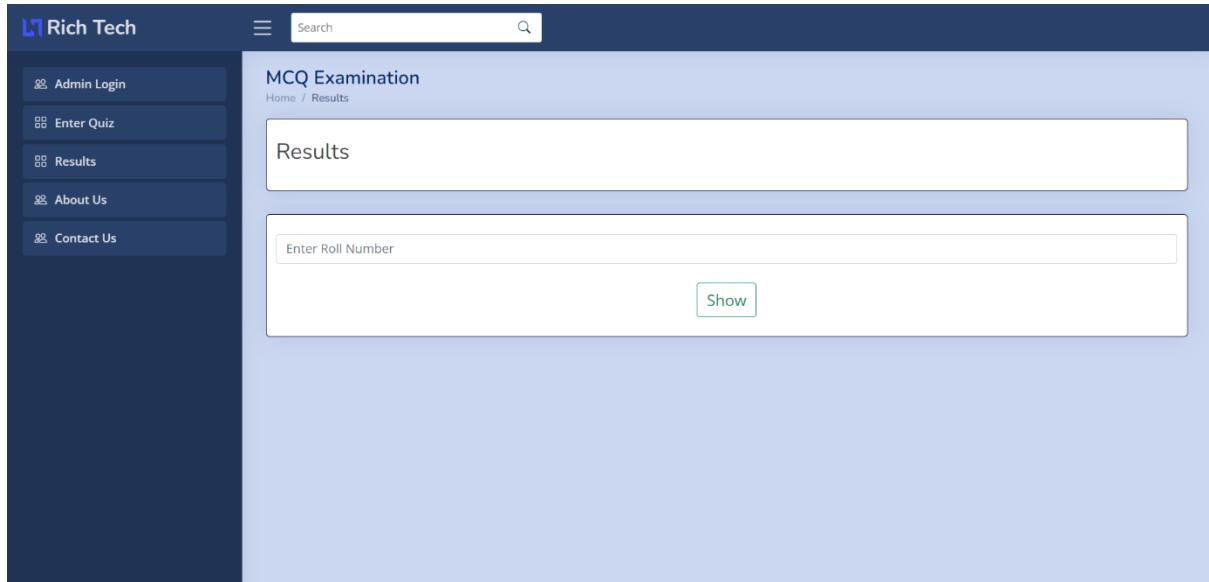
strpos()

pos()

Fig 7: MCQ Exam Page

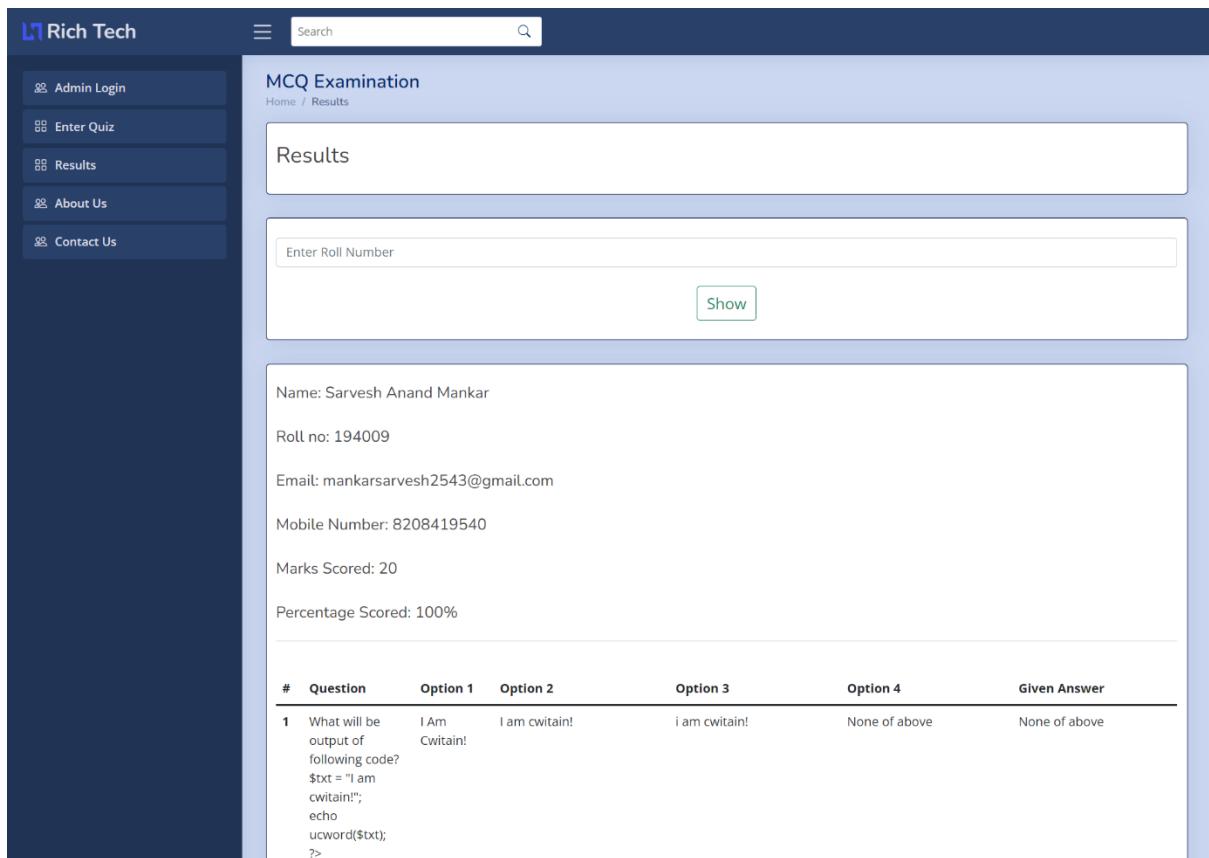
The screenshot shows a confirmation message after a submission. The left sidebar is identical to Fig 7. The main content area displays a large white box with the message 'Your Response has been recorded!' and 'Thank You CWIT-Student' below it.

Fig 8: MCQ Submission



The screenshot shows a web application interface for an MCQ examination results page. The header includes the logo 'Rich Tech' and a search bar. The main title 'MCQ Examination' is displayed above a breadcrumb navigation path 'Home / Results'. A large white rectangular area labeled 'Results' is present. Below it, there is a form with a text input field labeled 'Enter Roll Number' and a green 'Show' button. On the left side, a vertical sidebar contains links for Admin Login, Enter Quiz, Results, About Us, and Contact Us.

Fig 9: MCQ- Check Result Form



This screenshot displays the results of a specific MCQ examination. The top section is identical to Fig 9, showing the 'MCQ Examination' header and 'Results' area. Below this, detailed personal information is listed: Name: Sarvesh Anand Mankar, Roll no: 194009, Email: mankarsarvesh2543@gmail.com, Mobile Number: 8208419540, Marks Scored: 20, and Percentage Scored: 100%. At the bottom, a table provides a breakdown of the first question's options and answer:

#	Question	Option 1	Option 2	Option 3	Option 4	Given Answer
1	What will be output of following code? <pre>\$txt = "I am cwitain!"; echo ucword(\$txt); ?></pre>	I Am Cwitain!	I am cwitain!	i am cwitain!	None of above	None of above

Fig 10: MCQ Result Page

The screenshot shows the 'MCQ Test' section of the dashboard. The left sidebar includes options like Dashboard, Finance, Transaction Entry, Salary, Attendance, MCQ Test, Client, Projects, and Employees. The main content area displays the results for Unit-3. A table lists 7 students with their names, roll numbers, emails, marks, percentage, and submission times. Below the table is a bar chart titled 'Graphical Representation of Results of Unit-3' showing the distribution of student scores.

#	Name	Roll	Email	Marks	Percentage	Submitted At
1	Sarvesh Anand Mankar	194009	mankarsarvesh2543@gmail.com	20	100%	25/12/21 05:23:07am
2	Gourav Suram	194028	gouravsuram91@gmail.com	20	100%	25/12/21 07:06:05am
3	Umer Shaikh	194032	umershaikh194032@gmail.com	9	45%	25/12/21 07:09:23am
4	Mansi Prasad	194066	mansi.194066@gmail.com	12	60%	25/12/21 07:04:26am
5	Lubna Shaikh	194026	lubzee08@gmail.com	12	60%	25/12/21 07:06:14am
6	Rutuja Rama Vanyalkar	194030	rutujavanyalkar@gmail.com	16	80%	25/12/21 07:16:35am
7	Avdhut Kamble	194033	avdhut.kamble776@gmail.com	19	95%	25/12/21 07:06:00am

Fig 11: MCQ Result Stats

The screenshot shows the 'MCQ Test' section of the dashboard. The left sidebar includes options like Dashboard, Finance, Transaction Entry, Salary, Attendance, MCQ Test, Client, Projects, and Employees. The main content area displays the results for Unit-3. A bar chart titled 'Graphical Representation of Results of Unit-3' shows the distribution of student scores. The x-axis categories are <35%, 36% to 50%, 51% to 75%, 76% to 90%, and 91% to 100%. The y-axis represents the number of students, ranging from 0 to 25.

Score Range	Number of Students
<35%	9
36% to 50%	19
51% to 75%	25
76% to 90%	1
91% to 100%	4

Fig 12: MCQ Graphical Representation of User Stats

The screenshot shows the 'Malicious Activities in Unit-3 quiz' section of the application. The left sidebar contains navigation links for Dashboard, Finance, Transaction Entry, Salary, Attendance, MCQ Test, Client, Projects, and Employees. The main content area has a search bar and a table listing malicious activities:

#	Name	Roll Number	Email	Activity
1	Mansi	194066	mansi.194066@gmail.com	Changed Tab 1 times!
2	Mohammad	194065	shaikhhuzaif148@gmail.com	Changed Tab 7 times!
3	Chaitanya	194060	chaitanyaunavane@gmail.com	Changed Tab 1 times!
4	Palak	194006	pardeshipalak463@gmail.com	Changed Tab 2 times!
5	jayesh	194018	jayesh194018@gmail.com	Changed Tab 3 times!
6	Pokale	194008	preeti.194008@gmail.com	Changed Tab 1 times!
7	Mansi	194001	mansilokhande04@gmail.com	Changed Tab 5 times!
8	Abhishek Devram Borkar	204094	abhiborkar222002@gmail.com	Changed Tab 15 times!
9	Janhavi	194021	janvithikekar1234@gmail.com	Changed Tab 23 times!

Fig 13: Malicious Activity tracker

The screenshot shows the 'Attendance' section of the application. The left sidebar contains navigation links for Dashboard, MCQ Test, Attendance, Finance, Salary, Client, Projects, and Employees. The main content area has two forms: 'Attendance Form' and 'Search by Employee Details', and a table titled 'Current Logs'.

Attendance Form:

- Employee id:
- Date: dd/mm/yyyy
- Time: ::::
- Buttons: Enter, Release

Search by Employee Details:

- Employee id:
- Date: dd/mm/yyyy
- Button: Search

Current Logs:

#	Empid	User Name	Work Profile	Date	In-time	Out-time	Status
1	1	cwit	Engineering	2022-06-10	11:23:00	22:26:00	Late/Half Day
2	1	cwit	Engineering	2022-07-01	11:50:00	19:52:00	Late/Half Day
3	2	DCP	Class	2022-07-01	10:22:00	18:24:00	Late/Half Day
4	1	cwit	Engineering	2022-06-01	11:39:00	18:53:00	Late/Half Day
5	1	cwit	Engineering	2022-06-13	08:27:00	18:27:00	Full Day

Showing 1 to 5 of 5 entries

Fig 14: Attendance Form

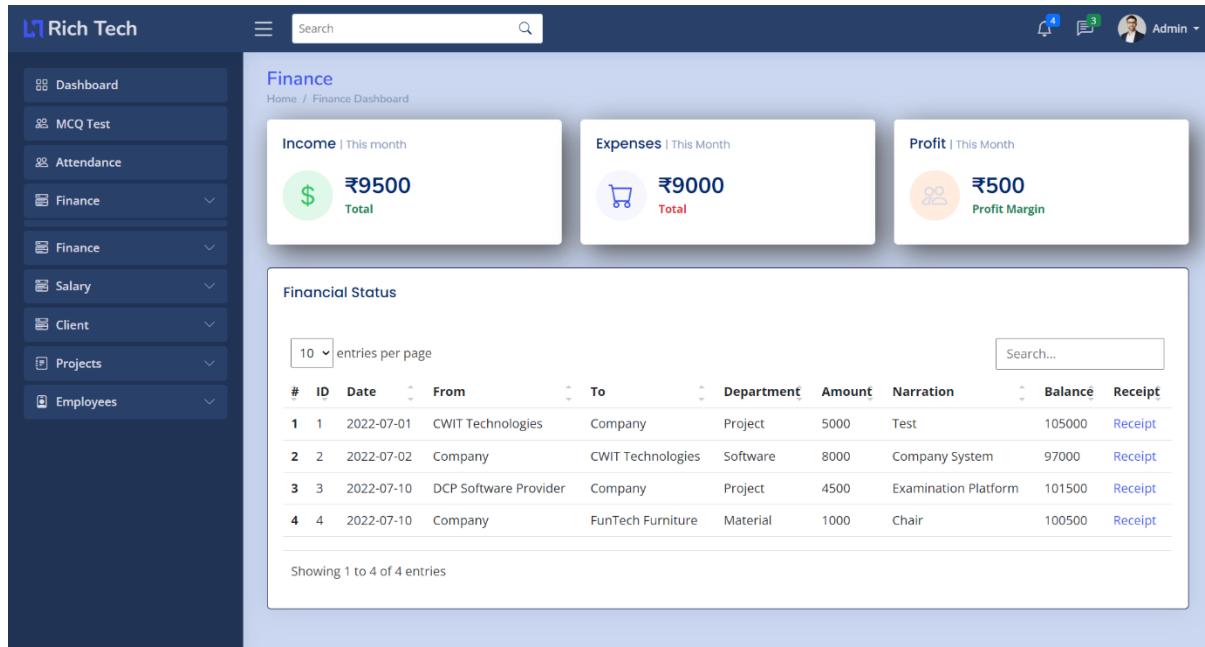


Fig 15: Finance Dashboard

The screenshot shows the 'Transaction Entry' form with the following fields:

- Payment Date: dd/mm/yyyy
- From: From (Debitor)
- To: To (Creditor)
- Amount: Enter Amount
- Department: HR
- Payment Details: Enter Payment Details

A 'Submit' button is located at the bottom right of the form.

Fig 16: Finance Transaction Form

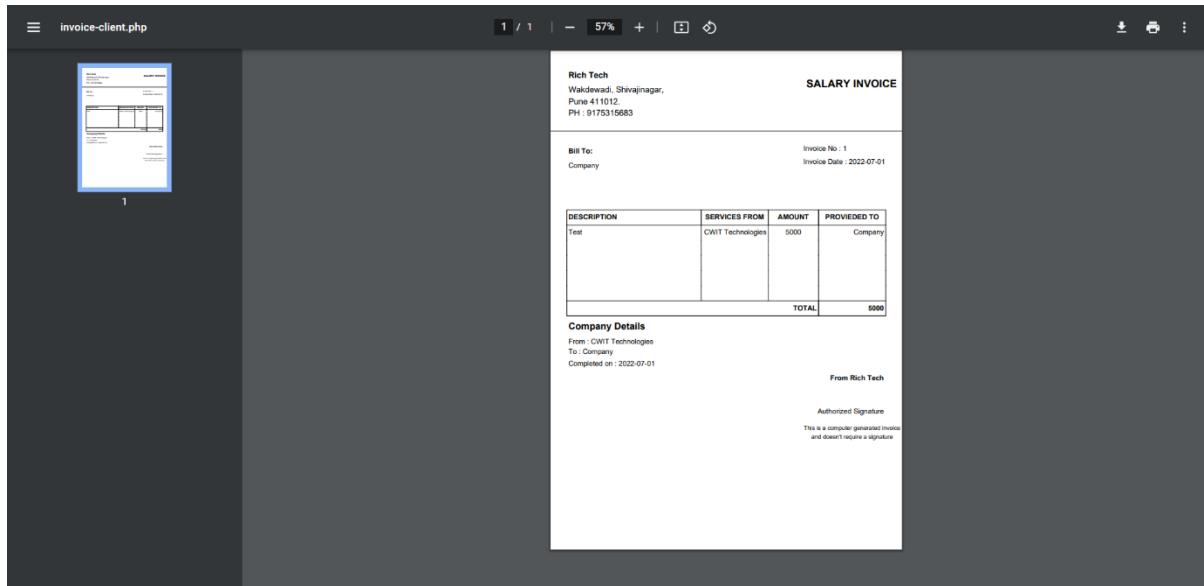


Fig 17: Finance Invoice

#	Emp ID	Month	Days worked	Salary Credit	Salary Deducted	Payment Status	Receipt
1	2	July	1	2777	1388	Paid on 2022-07-07	Receipt
2	1	July	1	5952	2976	Paid on 2022-07-07	Receipt
3	1	June	1	6250	3125	Pending	Receipt

Fig 18: Salary Dashboard

The screenshot shows the 'Salary Payments and Invoices' section of the application. On the left, there's a sidebar with navigation links: Dashboard, MCQ Test, Attendance, Finance, Salary, Client, Projects, and Employees. The main area has a search bar at the top.

Employee Payment - This month: A form to enter Employee ID (with placeholder 'Enter Employee ID') and Bonus (with placeholder 'If any'). A 'Pay' button is present. Below it is a table showing a single record:

Emp ID	Name	Salary	Bonus	Total Salary	Status
1	CWIT	5952	0	5952	Paid on 2022-07-07

Employee Payment - Pending: A form to select Month (set to '07 - July') and Bonus (placeholder 'If any'). A 'Pay All' button is present. Below it is a table showing pending payments:

Total Employee	Month	Pending Payments	Completed Payments	Bonus	Total Salary

Current Logs: A table showing salary payments:

#	Empid	User Name	Work Profile	Department	Salary Paid	Bonus	Paid Date	Month	Receipt
1	2	DCP	Class	Software	2777	0	2022-07-07	July	Receipt
2	1	cwit	Engineering	Software	5952	0	2022-07-07	July	Receipt

Showing 1 to 2 of 2 entries

Fig 19: Salary Statistics

The screenshot shows a PDF document titled 'SALARY INVOICE' from 'Rich Tech'. The document includes the company address: Wakdewadi, Shivajinagar, Pune 411012, PH: 9175315683. It shows a bill to 'DCP, Bund Garden, Pune' with an invoice number of 13 and date 2022-07-07. The invoice details a single entry for 'Salary for the month of July 2022' with a base salary of 2777, deduction of 1388, and bonus of 0, totaling 2777. Payment details mention Bank Name: Bank Of India, Bank Account Number: 91912222, and Paid on: 2022-07-07. The document is signed by 'From Rich Tech' and includes a note: 'Authorized Signature. This is a computer generated invoice and doesn't require a signature.'

Fig 20: Salary Invoice

The screenshot shows the 'Clients' section of the dashboard. It includes a search bar and navigation links for Home and Clients. The main area displays three tables:

- Client Project Working On!** (Table):

Project ID	Client Name	Project Name	Due Date	Status
6	Test2	Test2	2022-04-05	Working
11	Test3	Test3	No Due Date	Working
12	Test4	Test4	No Due Date	Working
- Client Project Pending!** (Table):

Project ID	Client Name	Project Name	Due Date	Status
8	a1	a1	No Due Date	Pending
- Client Project Completed!** (Table):

Project ID	Client Name	Project Name	Submission Date	Status	Charges
1	CWIT Technologies	Portfolio	2022-02-19	Completed	5000
2	DCP Software Provider	MCQ Platform	2022-02-19	Completed	4500
4	Abc	abc	2022-03-27	Completed	6000
5	test1	test1-Proj	2022-07-11	Completed	7000
7	test	test	2022-05-18	Completed	1000

Fig 21: Client Dashboard

The screenshot shows the 'Add Client' section. It includes a search bar and navigation links for Home and Add Client. The main area contains a form titled 'Add Client Details' with the following fields:

- Company Name
- Project Name
- Mobile Number
- Email ID
- Assign Date in yyyy-m-d
- Due Date in yyyy-m-d
- Description

At the bottom are 'Submit' and 'Reset' buttons.

Fig 22: Add Client Section

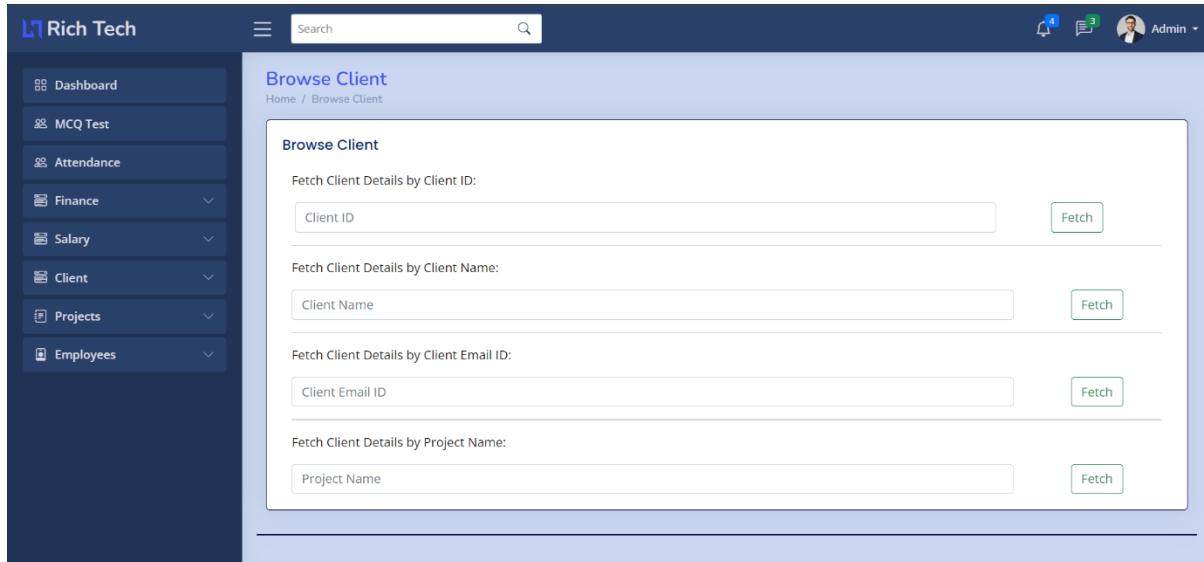


Fig 23: Browse Client

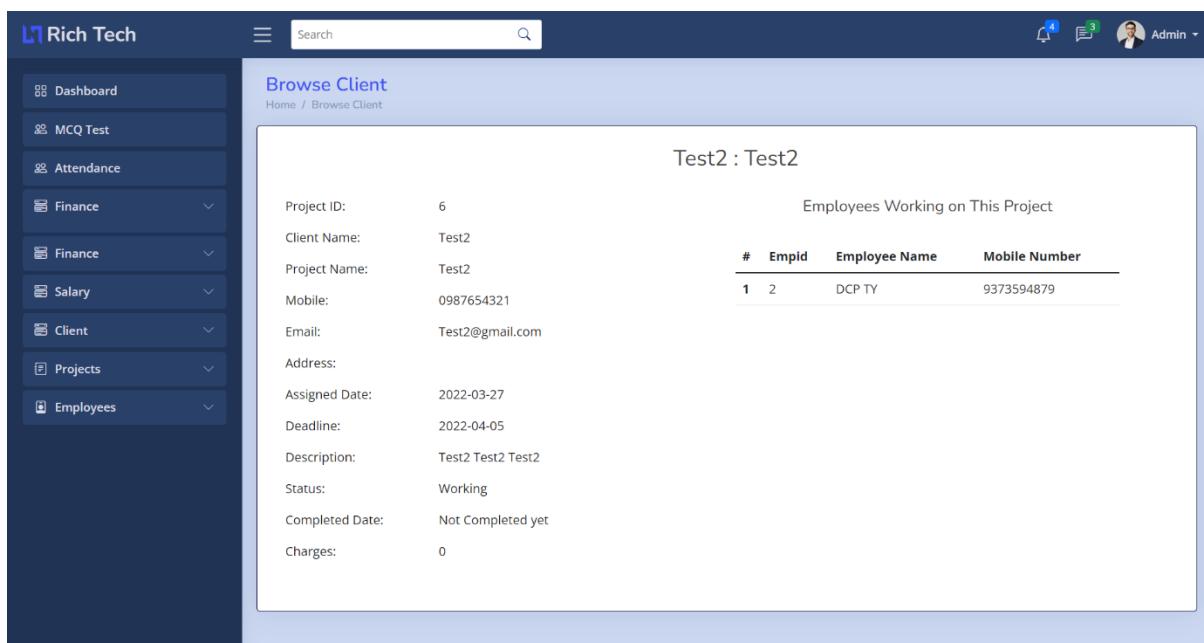


Fig 24: Browse Client by ID, Name, Email ID.

Payment

Home / Payment from Client

Client Payment

#	ID	Client Name	Project Name	Completed Date	Charges
1	4	Abc	abc	2022-03-27	6000
2	5	test1	test1-Proj	2022-07-11	7000
3	7	test	test	2022-05-18	1000

Client ID: Enter Client ID

Amount: Enter Amount

Payment Date: dd/mm/yyyy

Payment Details: Enter Payment Details

Submit

Fig 25: Client Payment

Assign Project Work

Home / Assign Work

Assign Project Work

Project ID	Client Name	Project Name	Due Date	Status
6	Test2	Test2	2022-04-05	Working
8	a1	a1	No Due Date	Pending
11	Test3	Test3	No Due Date	Working
12	Test4	Test4	No Due Date	Working

Project ID: [Search Bar]

Next

Fig 26: Assign Client Project to Employee

The screenshot shows the 'Assign Project Work' section of the application. On the left is a sidebar with navigation links: Dashboard, MCQ Test, Attendance, Finance, Salary, Client, Projects, and Employees. The main area has a search bar and a 'Next' button. A table lists projects with columns: Project ID, Client Name, Project Name, Due Date, and Status. The table data is as follows:

Project ID	Client Name	Project Name	Due Date	Status
6	Test2	Test2	2022-04-05	Working
8	a1	a1	No Due Date	Pending
11	Test3	Test3	No Due Date	Working
12	Test4	Test4	No Due Date	Working

Below the table, project details for 'Test2 : Test2' are shown, including Client ID (6), Client Name (Test2), Project Name (Test2), Mobile (0987654321), Email (Test2@gmail.com), Address, Assigned Date (2022-03-27), Deadline (2022-04-05), Description (Test2 Test2 Test2), and Status (Working). To the right is a 'Employees Status' table:

#	Empid	Employee Name	Status
1	1	CWIT computer	Free
2	2	DCP TY	Working
3	194032	Umer Shaikh	Working
4	194009	Sarvesh Mankar	Working
5	194028	Gourav Suram	Working

Buttons for 'Assign', 'Add Employee', and 'Delete Last Employee' are present.

Fig 27: Project Status

The screenshot shows the 'Submit Project' section of the application. The sidebar and layout are identical to Fig 27. The main area has a search bar and a 'Next' button. A table lists projects with columns: Project ID, Client Name, Project Name, Due Date, and Status. The table data is as follows:

Project ID	Client Name	Project Name	Due Date	Status
6	Test2	Test2	2022-04-05	Working
11	Test3	Test3	No Due Date	Working
12	Test4	Test4	No Due Date	Working

Fig 28: Update Project Status

The screenshot shows the 'Submit Project' page. On the left is a sidebar with 'Rich Tech' logo and navigation links: Dashboard, MCQ Test, Attendance, Finance, Salary, Client, Projects, and Employees. The main area has a header 'Submit Project' with a 'Search' bar and a user icon for 'Admin'. Below is a form titled 'Submit Project Work' with a 'Project ID' field and a 'Next' button. To the right is a table titled 'Projects we are Working on!' with columns: Project ID, Client Name, Project Name, Due Date, and Status. It lists three projects: Test2, Test3, and Test4, all in 'Working' status. Below this is a section titled 'Test2 : Test2' with project details: Client ID (6), Client Name (Test2), Project Name (Test2), Mobile (0987654321), Email (Test2@gmail.com), Address, Assigned Date (2022-03-27), Deadline (2022-04-05), Description (Test2 Test2 Test2), and Status (Working). To the right is a table titled 'Employees Working on This Project' with columns: #, Empid, Employee Name, and Mobile Number. It shows one entry: 1, DCP TY, 9373594879. At the bottom are fields for 'Completed date' (yyyy-mm-dd format) and 'Charges in Number', and a 'Submit' button.

Fig 29: Check Employee Project Section

The screenshot shows the 'Add Employee' form. The sidebar is identical to Fig 29. The main area has a header 'Employee' with a 'Search' bar and a user icon for 'Admin'. Below is a form titled 'Add Employee Details' with fields: Employee ID (input field), Employee Role (input field), Join Date (dd/mm/yyyy input field), Department (HR dropdown), Username (@ input field), Password (input field), Re-type Password (input field), Base Salary (INR) (input field), Bank Name (input field), and Bank Account number (input field). A 'Submit' button is at the bottom right, and a blue upload icon is in the bottom right corner of the form area.

Fig 30: Add Employee Form

The screenshot shows the 'Employees' section of the application. On the left is a sidebar with a dark blue background and white text, containing links for Dashboard, MCQ Test, Attendance, Finance, Salary, Client, Projects, and Employees. The main area has a light blue header with a search bar and a user profile for 'Admin'. Below the header, the title 'Employees' is displayed above a table titled 'Employee Details'. The table has columns for #, Empid, Employee Name, Email, Mobile Number, Birth Date, Address, Bio, and Status. It lists five employees with the following data:

#	Empid	Employee Name	Email	Mobile Number	Birth Date	Address	Bio	Status
1	1	CWIT computer	cwitcomputer@gmail.com	8208419540	2003-04-25	Bund Garden, Pune	Engineering	Free
2	2	DCP TY	dcpy@gmail.com	9373594879	1975-11-06	Bund Garden, Pune	Class	Working
3	194032	Umer Shaikh	umer.194032@gmail.com	9359825442	2003-10-18	Swarget, Pune	Web Developer	Working
4	194009	Sarvesh Mankar	sarvesh.194009@gmail.com	8208419540	2003-04-25	Moshi, Pune	Software Developer	Working
5	194028	Gourav Suram	gourav.194028@gmail.com	9175315683	2003-03-04	Pimpri, Pune	Security Engineer	Working

Fig 31: View Employee

The screenshot shows the 'Employees' section with a search interface. The sidebar and header are identical to Fig 31. The main area contains three input fields with placeholder text: 'Fetch Employee Details by Employee ID:', 'Fetch Employee Details by Employee Name:', and 'Fetch Employee Details by Employee Email ID:'. Each input field has a green 'Fetch' button to its right.

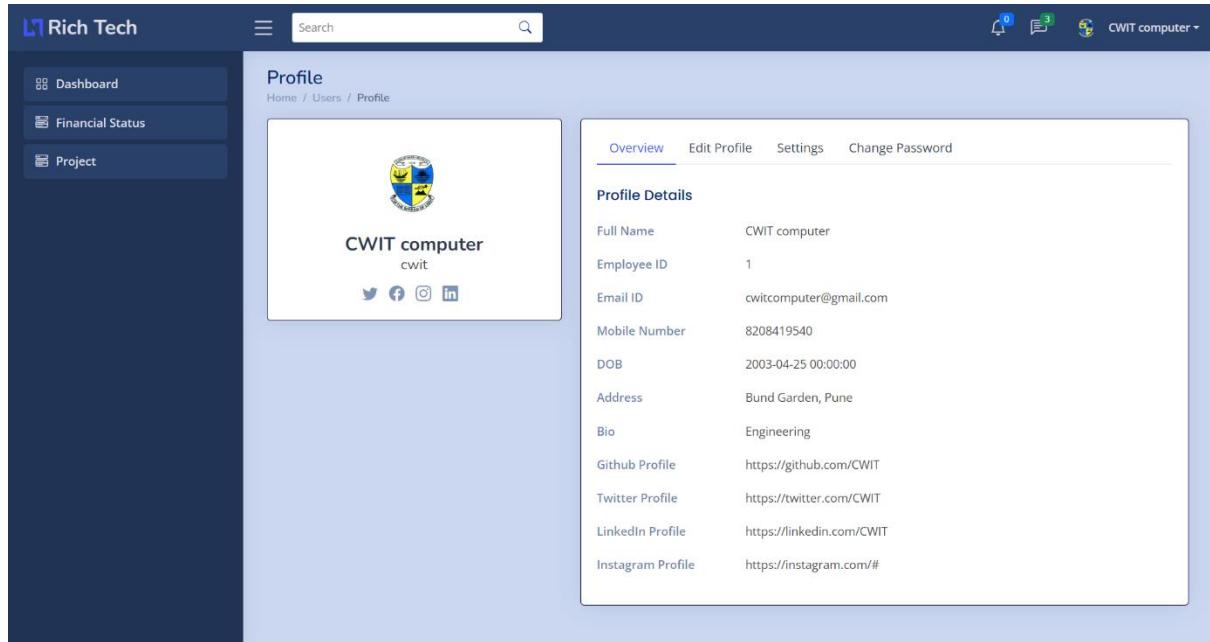
Fig 32: Search Employee By ID, Name, Email ID

The screenshot shows the 'Employees' page of the 'Rich Tech' application. The left sidebar has a dark blue background with white icons and text for 'Dashboard', 'MCQ Test', 'Attendance', 'Finance', 'Salary', 'Client', 'Projects', and 'Employees'. The main content area has a light blue header with a search bar and a user profile for 'Admin'. Below the header, the title 'Employees' is displayed above a breadcrumb trail 'Home / Employees'. A large card titled 'CWIT computer' shows employee details: Employee Id: 1, Email Id: cwitcomputer@gmail.com, Mobile No: 8208419540, DOB: 2003-04-25, Address: Bund Garden, Pune, Bio: Engineering, and Status: Free. Below this are two tables: 'Projects Completed!' and 'Projects Working On!'. The 'Projects Completed!' table lists three projects: CWIT Technologies (Portfolio, 2022-02-19, 5000), DCP Software Provider (MCQ Platform, 2022-02-19, 4500), and test1 (test1-Proj, 2022-07-11, 7000). The 'Projects Working On!' table is currently empty.

Fig 33: Employee Status

The screenshot shows the 'Dashboard' page of the 'Rich Tech' application. The left sidebar is identical to Fig 33. The main content area features a 'Sales | Today' card with a shopping cart icon and '145' sales, a 'Revenue | This Month' card with a dollar sign icon and '₹3,264' revenue, and a 'Customer' card with a people icon. Below these is a 'Reports | Today' section with a line graph showing data over time from 00:00 to 06:00. To the right of the dashboard is a sidebar with a notification bell icon showing 4 notifications. A modal window titled 'You have 4 new Recent Activities' is open, listing four employee additions: 'Employee New Employee of Username q with Pentester Role has been Added! 13 Jul, 2022', 'Employee New Employee of Username ig with emp Role has been Added! 10 Jul, 2022', 'Employee New Employee of Username yeah with emp Role has been Added! 09 Jul, 2022', and 'Employee New Employee of Username emp1 with emp Role has been Added! 10 Jul, 2022'. There is also a link 'Show all notifications' and a 'Budget Report | This Month' section at the bottom.

Fig 34: Notification Bar



The screenshot shows the 'Profile' section of the Company System - Workflow Mapping application. The left sidebar has 'Rich Tech' logo and navigation links for 'Dashboard', 'Financial Status', and 'Project'. The main header includes a search bar and notifications (0) and tasks (3). The profile page for 'CWIT computer' shows a user icon, name, and social media links. The right panel displays profile details:

Profile Details	
Field	Value
Full Name	CWIT computer
Employee ID	1
Email ID	cwitcomputer@gmail.com
Mobile Number	8208419540
DOB	2003-04-25 00:00:00
Address	Bund Garden, Pune
Bio	Engineering
Github Profile	https://github.com/CWIT
Twitter Profile	https://twitter.com/CWIT
LinkedIn Profile	https://linkedin.com/CWIT
Instagram Profile	https://instagram.com/#

Fig 35: Employee Dashboard

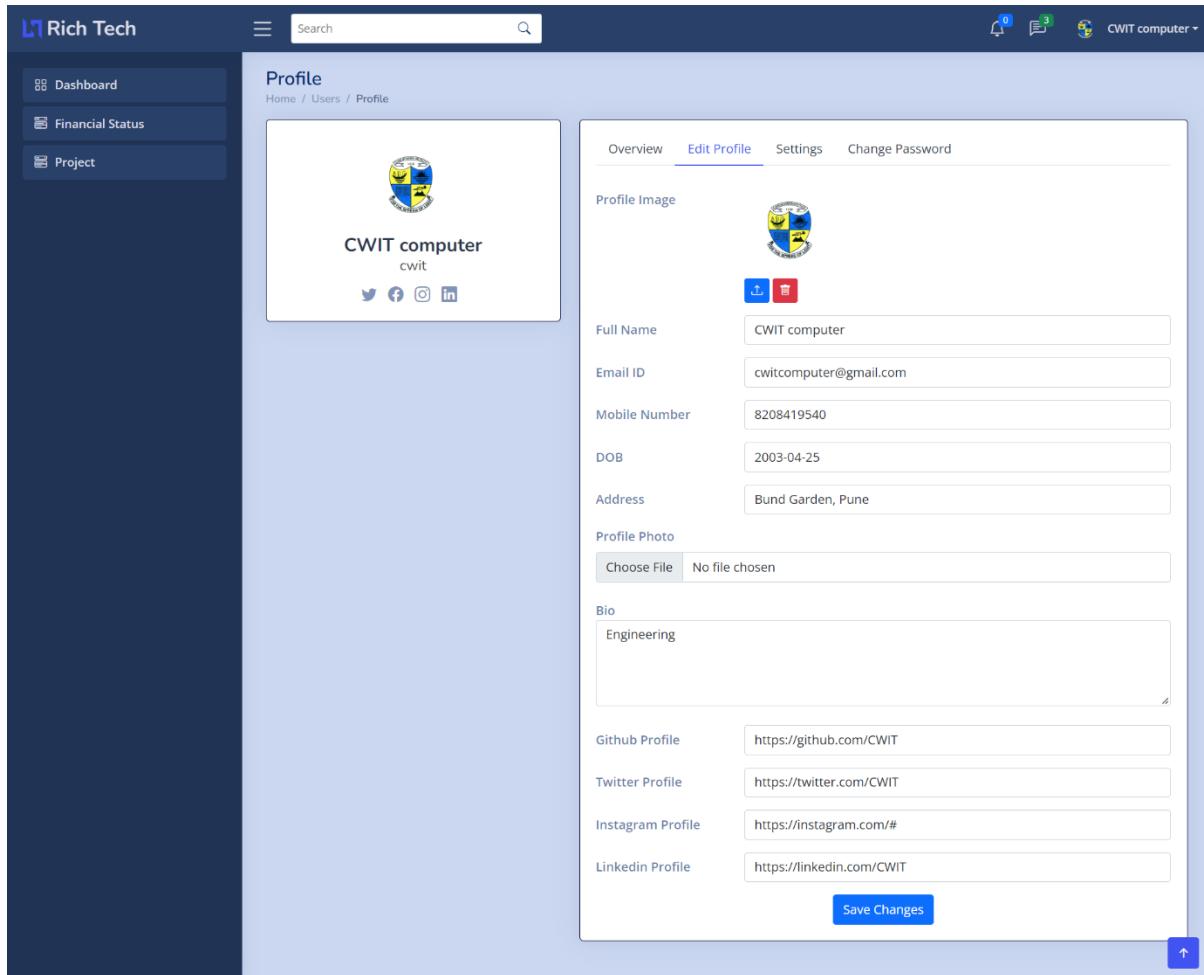


Fig 36: Edit Employee Data

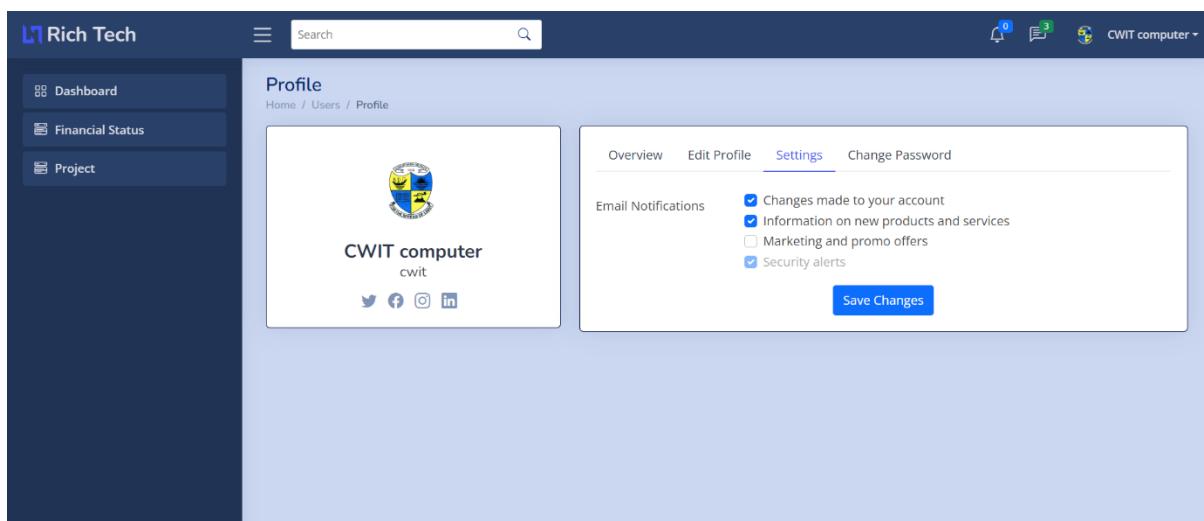


Fig 37: Settings Page

The screenshot shows the 'Profile' section of the Rich Tech Company System. On the left, there's a sidebar with 'Rich Tech' logo and navigation links for 'Dashboard', 'Financial Status', and 'Project'. The main area has a search bar at the top. Below it, the 'Profile' section displays a user's profile picture, name ('CWIT computer'), and social media links. To the right, there's a 'Change Password' tab selected among 'Overview', 'Edit Profile', 'Settings', and 'Change Password'. The 'Change Password' section contains fields for 'Current Password', 'New Password', and 'Re-enter New Password', along with a 'Change Password' button.

Fig 38: Change Password Form

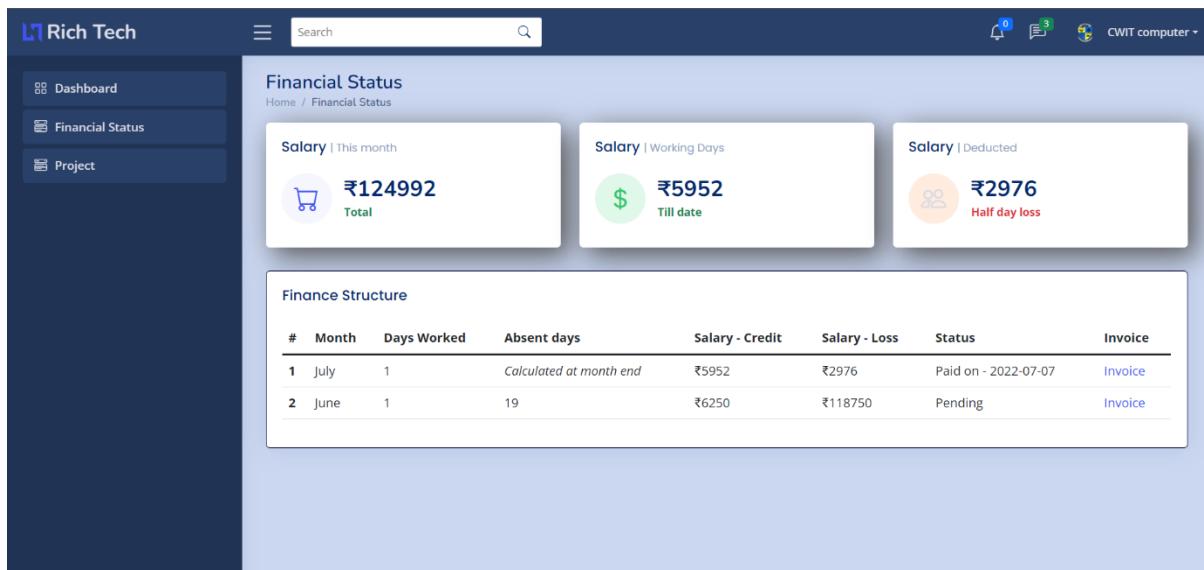


Fig 39: Finance Status – Employee

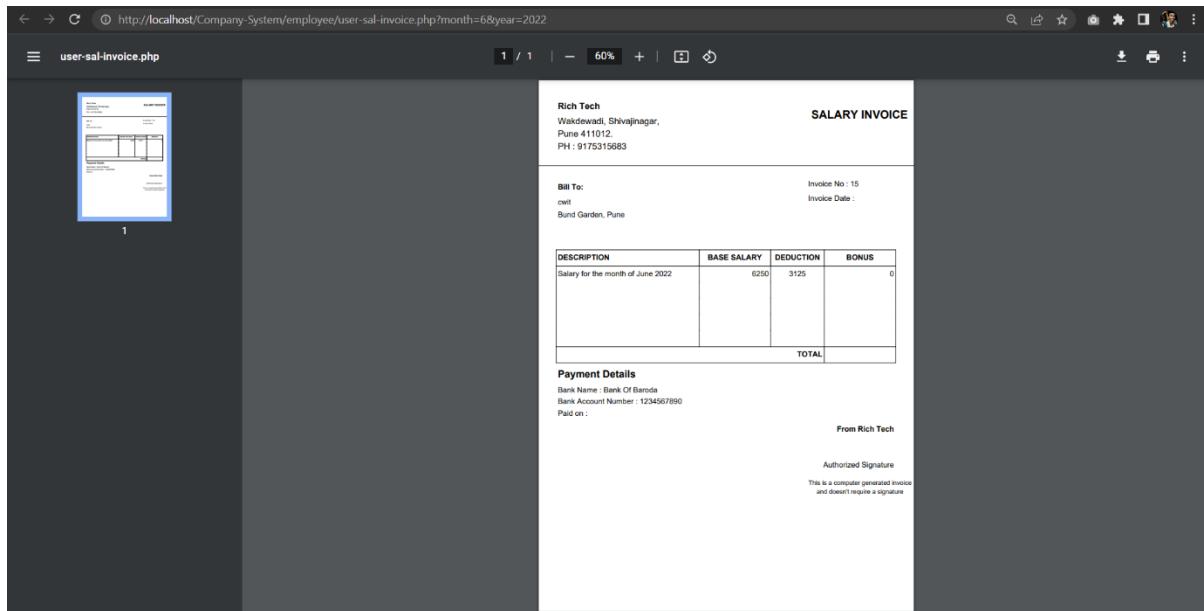


Fig 40: Salary Invoice

The dashboard has a sidebar with 'Dashboard', 'Financial Status', and 'Project' selected. The main area shows two tables: 'Completed Projects' and 'Working Projects'. The 'Completed Projects' table lists three entries:

#	Company Name	Project Name	Description	Due Date
1	CWIT Technologies	Portfolio	Redesign cwitpune.com	2022-02-25
2	DCP Software Provider	MCQ Platform	Examination Platform	2022-03-01
3	test1	test1-Proj	Test1 main project	Not Assigned

The 'Working Projects' table is currently empty.

Fig 41: Project Dashboard

11. Salient Features

1. Effective Management:

A high-quality software which manages each aspect of the company in a single workspace. It helps the High-Level Management to assign and keep track of the activities which are performed by the employees. Additionally, the application provides the feature to manage all kinds of reports like Invoice, Receipts, Project Details, etc. into a single workspace. This makes them easy to manage and store.

2. Work evaluation:

The application provides the feature to assign the project task to multiple employees and keep track of their work. Their work can be evaluated and train the employees in order to improvise the project quality.

3. Leadership:

One of the keys to a successful working and development Organization, and possibly the most important, is leadership buy-in from the top down.

Having leadership support helps to drive the importance of a program, assist with accountability and establish appropriate expectations. Leaders are provided with a better view towards the whole working order and helps to provide a better communication medium between different departments.

4. Accessibility:

Allows you to access the parts of the system that you need regardless of time or place and, at the same time, prevents those with no access rights from entering; it simply matches access to responsibilities and ensures that the information stays secure.

5. Avoiding errors:

With business management software, you only introduce the information once and the system will take care of the rest; this automation leaves no room for any error whatsoever.

6. Collaboration:

Whether on-premise or remote, this application brings the team together with active collaboration features. We can also connect with different departments quickly. The Project reports are stored effectively which provides a vital learning resource for freshers.

7. Security:

The Company System works in a secured environment. The security is maintained by encrypting the password, specifying roles in hierarchical manner. The user input is sanitized which would not lead to any issues. The queries are programmed using prepared statement to pass exact data needed to avoid any kind of vulnerability in the software.

12. Future Prospect

Organizations have used management systems for a long time to help them create value and reach their objectives by actively managing risks and continually improving their performance. Such systems help companies manage a range of issues to do with quality, occupational health and safety, and the environment, as well as social and ethical concerns. But for management systems to continue to be a driving force for change, they must adapt.

In the Digital Transformation use of big data will become a key basis of competition and growth for individual firms. Organizations will leverage data-driven strategies to innovate, compete and capture value from deep, real-time information. However, there is also the issue of rising security and privacy threats. As analytics and social media reach every aspect of an organization, safeguarding data will continue to be a major concern for individuals and organizations.

The key feature of Company System is to manage and process the data in an effective manner which results the outcome to be the best.

The Software is built with the use of Open-Source languages and utilities such as PHP, JS, jQuery, which have the potential to adapt themselves with the changing technologies. Flexibility, Scalability, Robustness are some of the key features of Company Management System.

13. References

<https://github.com/features/copilot>

<https://archdesk.com/blog/benefits-of-a-business-management-system/>

<https://www.proofhub.com/articles/best-business-management-software>

<https://www.getanp.com/blog/59/top-12-features-for-work-management-software-that-matter-most.php>

<https://www.scoro.com/blog/best-business-management-software/>

<https://managementhelp.org/training/>

<https://www.ej4.com/blog/guide-to-creating-employee-training-and-development-program>

<https://www.qualitymag.com/articles/94207-the-future-of-management-systems>