Easy builder

By SEMESTER-10th of Fifth Year M.Sc. (CA & IT)

(2021-2022)

GROUP ID - 22

Student Name	Roll No
Prajapati Jaypal P.	5052

PROJECT GUIDE: - Jeet Vyas

Name of Company :- KCS

SUBMITTED TO:-



K.S. School OF Business Management

M.Sc. In Computer Application and Information Technology

Certificate from Company



Date: 29th January, 2022

LETTER OF INTERNSHIP

Dear Jaypal Prajapati,

Congratulations!

We are pleased to offer you an employment as a **Trainee Software Engineer** with **Krish Compusoft Services Pvt. Ltd.**

based on the interview discussions you had with us. Details of terms and conditions for this offer are as under:

- You will be designated as a Trainee Software Engineer with a stipend of Rs. 12,000/- per month.
- Your date of commencement of joining will be on or before 7th February 2022.
- Your employment of two years and six months with KCS includes the trainee period of six months. Post competition of your trainee period, your evaluation will be completed on basis of your performance, you shall be placed in Junior Management Cadre with full-time employment, bounded with employment terms.
- Once you are in Junior Management Cadre, you are entitled for Salary Emoluments of Rs 3,00,000 P.A.
- Within your Trainee tenure, you are not eligible for any paid leaves.
- You shall be liable to pay Rs 2,00,000/ as liquidated damages (Expenses Incurs by the Company for your Training) for breaching this employment agreement of two years and six months.
- Please bring the listed documents/details given below on your day of joining.
 - 3 Passport sized Photos
 - 2 photocopies of photo ID Proof (Any 2 photo IDs are compulsory)
 - 2 photocopies of Pancard & Aadhar Card
 - 1 Photocopy of Electric Bill
 - 1 Photocopy of University Degree Certificate
 - 1 Photocopy of all semester Marksheet
 - 1 Photocopy of 10, 12 Board Marksheet

We hope that your association with the company will be successful and

rewarding. Kindly sign a copy of this letter as a token of your acceptance for

this offer.

Yours truly,

Krish Compusoft Services Pvt. Ltd.



Satyendu Naik

Assistant Vice President - Human Resources

Accepted Above

Acknowledgement

The primary experience of developing our first project was quite interesting and awesome as we are developing our project we would like pay our gratitude to all those who have contributed in our project. Initially starting we would like to be thankful to our internal faculties for their guidance and time contributed in our project development. Further, we would like be grateful to our course External Guide **Mr. Jeet Vyas** for her motivation given during project.

We would like to be grateful to Unity Info way for their support and co-operation for getting to know the requirements, to let us know that there is a need for developing this type of systems. At last we would like to thank our college K.S. School of Business Management for helping us in providing all the necessary equipment.

Your Sincerely

Jaypal Prajapati

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CHAPTER-1 INTRODUCTION

1.1 Organization profile



ESMSYS

KCS was founded in 2001, as an exclusive consultant firm

And an Enterprise Service Management company, and with many years of experience in the field of IT consultancy, Brand Development and Financial Services has now emerged as.

KCS has contributed to technology engagements with clients across a wide range of industry verticals and has helped unlock their business potential with innovation. The teams at KCS have the expertise and in-depth knowledge for various industry domains while contributing with several technology solutions like digital transformation, cloud migration to software modernization and more.

KCS is a complete web solution provider company in india having team of young, energetic and dynamic members, focused on providing high notch web Development, Software Solutions, Mobile Applications Development, Internet Marketing service and Project Training. With a team of such experience and knowledgeable members they always try and deliver high quality of project, exceeding client's expectations.

KCS is a company with a strong specialization in web-development and software development. It also provides project training to the students. Committed to innovate. KCS works hard to its clients to help them to leverage its business process productivity.

1.2 <u>Introduction</u>

1.2.1 Project Definition

Definition: "Employee Management System"

- ♣ The objective of "Employee Management System" is to design a scheduling system for a work center.
- The Easy Leave is an Internet based application that can be accessed throughout the organization. This system can be used to automate the workflow of leave applications and their approvals. The periodic crediting of leave is also automated.
- There are features like email notifications, cancellation of leave, automatic approval of leave, report generators etc. in this Tool.
- Employees are the backbone of any the company, management of employee performance plays a major role in deciding the success of the organization.

1.2.2 <u>Importance of System</u>

- It maintains the information about the personal details of their employees.
- Employee Management System is a distributed application, developed to maintain the Details of employees working in any department.
- The system also manages the company employee details like their personal details and leave details.
- The aim is to automate its existing manual system with the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulate of the same.

1.2.3 Background/Objective of System

- > To reduce workload of a manually work.
- > To reduce paperwork and reduce time for process.
- ➤ The system makes the overall project management much easier and Flexible.
- Easy to understand by leave are approved or not.
- ➤ All employee Leave details maintain in System.
- Easy to manage employee details.

1.3 **System Details**

1.3.1 Existing System

- The Problem definition for designing the system is to maintain data of employee, to make easy controlling employees, to divide jobs and access control of employees, to use technology for accurate and timely processing by fully privacy and full authorities' access.
- The objective of the project is to set up employee information system about status of employee Leave.
- To eliminate or reduce as much as possible the hardships of existing system and avoid errors while entering data. In existing method employee management are employee record are maintaining in records. It's a manual process. Complicated to search the employee leave.
- This increases the paperwork & maintaining the records becomes tedious.

1.3.2 Proposed System

- > The proposed system is internet-based system so employee can also participate in this system and show their information.
- ➤ The proposed system provides detail general information's about the employee.
- It enhances the managements in adding, viewing, and updating employee's details and generates various reports regarding employee's leave.
- The periodic crediting of leave is also automated. There are features like email notifications, cancellation of leave, automatic approval of leave, report generators etc. in this Tool.
- Provides the searching facilities based on Employee name.

1.4 Scope of System

- ➤ The Dashboard displays different data depending on the Role of Employee.
- ➤ Different reports regarding leave can be seen from section.
- > Employees can also edit personal details.
- Employees can apply for leaves, check their leave balance, approve team members' Leave applications, and see a few reports related to Leaves depending on their Roles.

Limitations: -

- ✓ Complex outcomes & demands cannot be satisfactorily fulfilled to the users.
- ✓ Limited up to process department of company group only.

Advantages of Leave Management System:

- ✓ Easy to maintain in Centralized Database Leave applications can be submitted via network.
- ✓ Leave application can be approved easily and notified to respective Admin.
- ✓ The leave applicant as well as the approver can view the balance leave and past leave applications.

CHAPTER-2 PROPOSED SYSTEM REQUIREMENT GATHERING

2.1 Stakeholder of System

We have analyzed the employee workflow and getting mostly requirement on company work environment.

1) Admin

- ➤ The dashboard displays different data depending on the role employee.
- > Information includes personal and leave.
- > See a few reports related to Leaves depending on employees.
- ➤ Information related to entire Company, viz. holidays, employees, department, etc. can be seen and edited depending on the Employee, in the employee's section.
- ➤ Can be managed Employees total leave, total pending leave, total canceled leave, and total approved leave.
- Manage Employees details, employee leave, manage all admin and profile.

2) <u>Employee</u>

- Employee information is added to EMS when a new employee joins the organization.
- > Information includes personal details.
- The dashboard displays different data depending on employee apply total leave, leave status and total approved leave.
- Employees can apply for leaves, check their leave balance.
- We show the all-employee leave tracked approve and rejected.
- The approve team members' leave applications, and see a few reports related to Leaves depending on their Roles.
- There is a reporting section that shows few reports

2.2 Consolidated List of Requirement

- ✓ System must be user friendly.
- ✓ System saves time and energy to the company.
- ✓ System should have security.
- ✓ Manage and update the information of the employees.
- ✓ System is create to employees leave apply.
- ✓ All information about Employees and Admin are fulfilled in System.

CHAPTER-3 SYSTEM MANAGEMENT & PLANNING

3.1 <u>Hardware – Software Requirement</u>

3.1.1 Software Requirement:

Platform	PHP
Operating System	Windows Version above 7
Front-End	Sublime/Visual studio code
Server	Xampp
Browser	Chrome, Internet explorer, opera, mozila-firefox
Database	MySQL

3.1.2 Hardware Requirement:

Processor	Core i3
Hard-Disk	25 GB
RAM	2 GB or more

3.2 System Planning

3.2.1 Work Breakdown Structure:



3.2.2 Gantt Chart:

Gantt charts are use full for planning and scheduling projects. They help you assess how long a project should take. Determine the resources needed, and plan the order in which you'll complete tasks. They are also helpful for managing the dependencies between tasks.

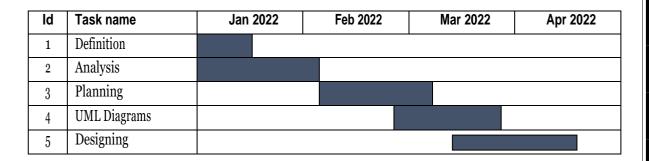


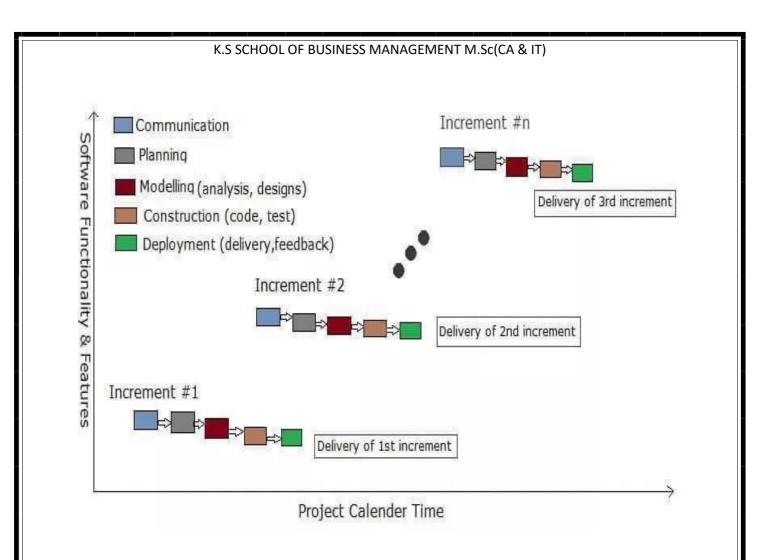
Figure 3.2.2 Gantt Chart

3.3 Process Model

As new requirements can arise in future incremental models are used. With the help of it we can fulfil maximum user requirements. In every increment the needs of the client are kept in mind and more features and functions are added. These increments form a base for customer evaluation. Many features can be added after the development of the system that serves the main purpose. If there are less number of employees to work on the project Incremental development model is very useful to complete the project before the deadline.

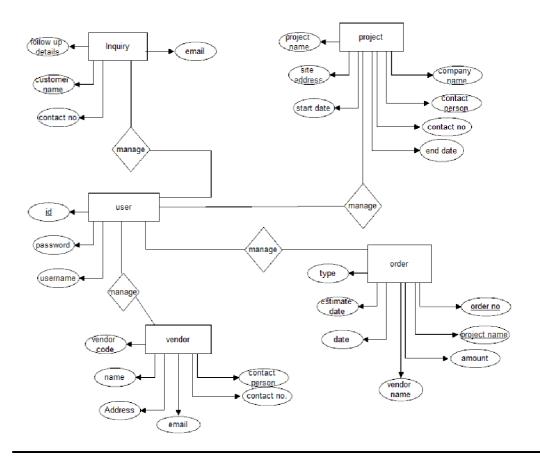
Incremental model:

- This model is more flexible less costly to change scope and requirements.
- It is easier to test and debug during a smaller Iteration.
- In this model customer can respond to each built.
- Lowers initial delivery cost.
- This process model helps to manage technical risks.
- Initial product delivery is faster.



CHAPTER-4 SYSTEM ANALYSIS AND DESIGN

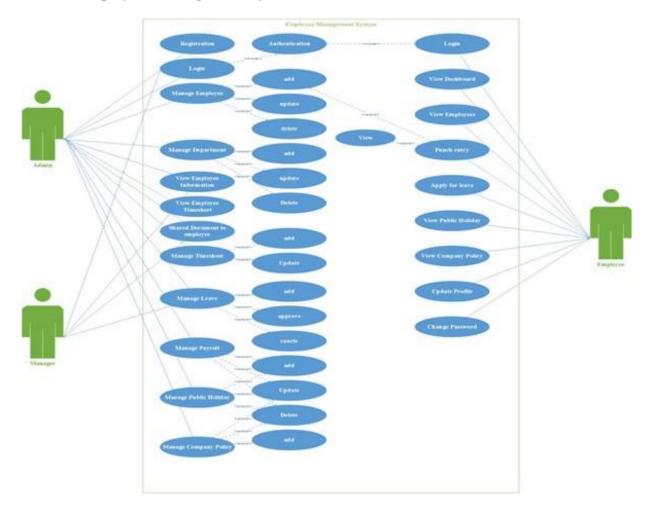
4.1 E- R Diagram:



4.2 <u>UML (UNIFIED MODELING LANGUAGE</u>

4.2.1 USECASE Diagram:

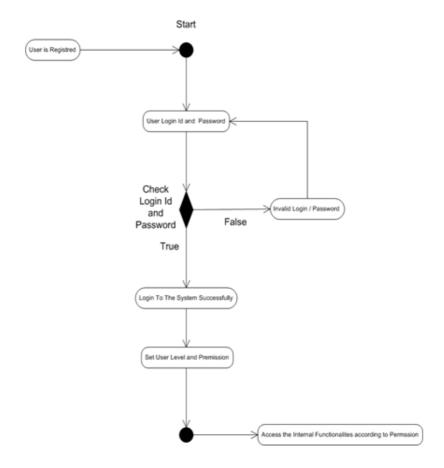
• Employees Management System



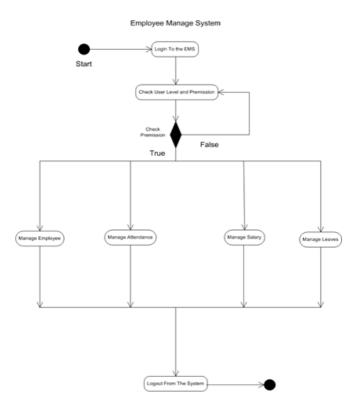
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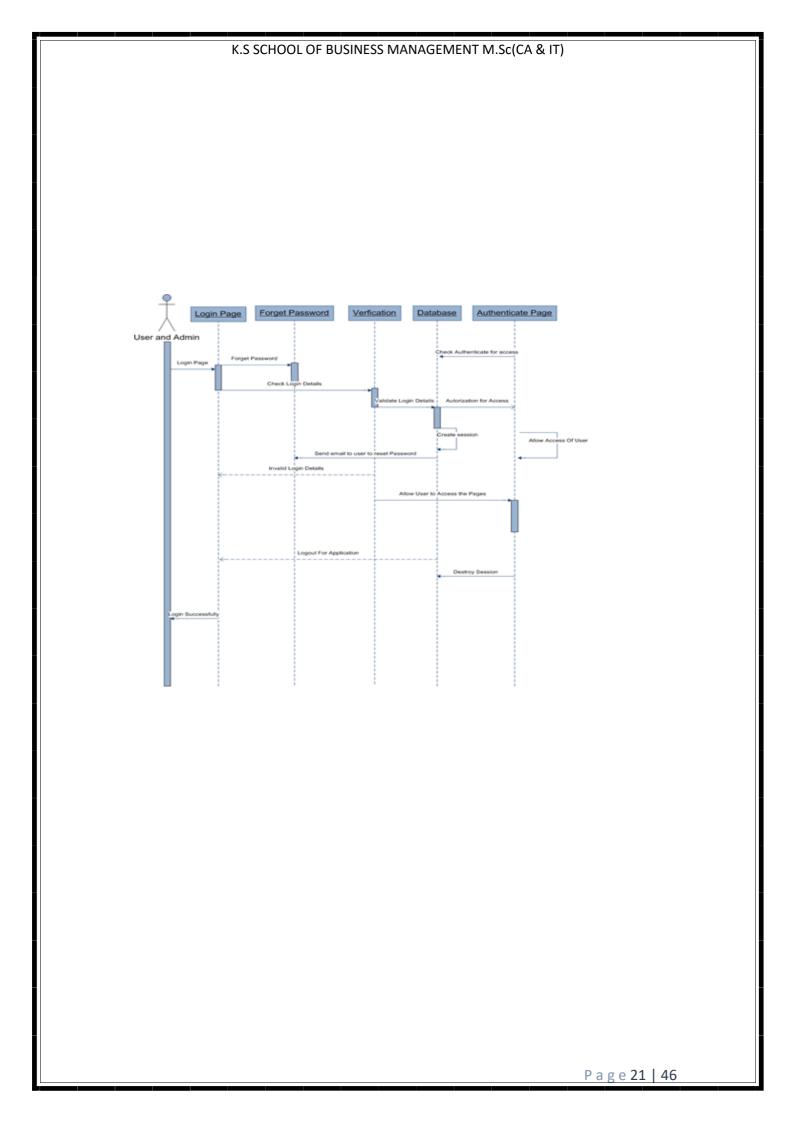
4.2.2 Activity Diagram:

• ADMIN

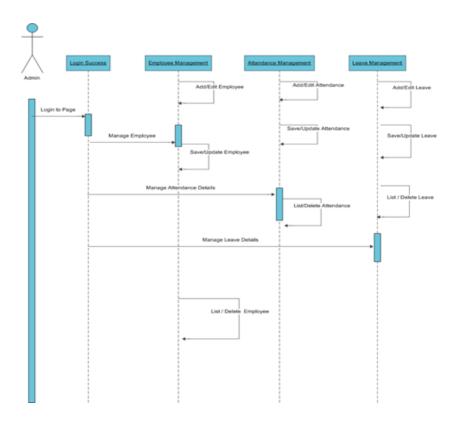


• Supervisor

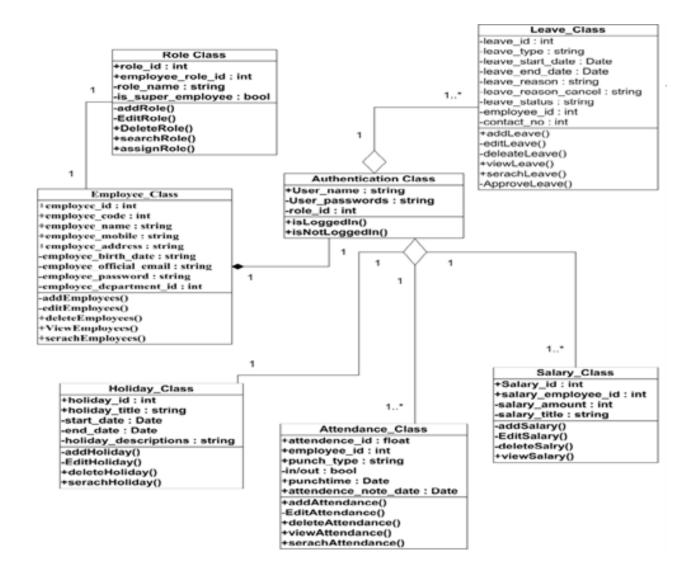




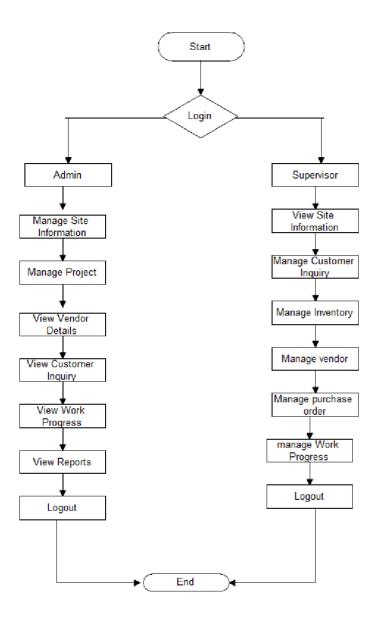
• Supervisor



4.2.4 Class Diagram:



4.3 System Flow Diagram



4.4 Data Dictionary

3.1 Data Dictionary

Sr. No	Table Name
1.	departments_master
2.	designation
3.	user_roles
4.	employee_details
5.	employee_officials_information
6.	document
7.	permanent_address
8.	add_timesheet
9	apply_for_leave
10.	update_salary_of_employee
11.	professional_tax
12.	teams
13.	teams_members
14.	company_policies
15.	public_holiday_details

1) Table Name: departments_master

Description:- to store different departments

Field Name	Data Type (with size)	Constraint	Description	Sample Data
Department_id	Int(11)	Primary Key	Id of Department	1
Department Name	Varchar(50)	Not Null	Add Department Name	Accounts

2) Table Name: designation

Description:- to store designation details

Field Name	Data Type (with size)	Constraint	Description	Sample Data
Designation_id	int(10)	Primary key	Id for designation	1
designation	varchar(100)	Not Null	Select the employee designation	Like Designer, Developer

User Table

Fields	Data-Type	Constrains	size
id	Auto_Number	Primary Key	11
firstname	varchar	Not null	50
lastname	varchar	Not null	50
username	varchar	Not null	50
password	varchar	Not null	50
usertype	Varchar	Not null	50
state_id	Int	Foreign key	3
city_id	Int	Foreign key	3
birthdate	Date	Not null	-
Mobile	Int	Not null	11
email	Varchar	Not null	50
Address	Varchar	Not null	255
Zipcode	Int	Not nul	11

Gender	Varchar	Not null	6
Isactive	Int	Not null	1
Doi	Datetime	Not null	-
Dou	Datetime	Not null	-

Site Profile Table

Fields	Data-Type	Constrains	size
Site_id	Int	Primary Key	11
Company_name	Varchar	Not null	50
Project_name	Varchar	Not null	100
Pan	Varchar	Not null	50
Tin	Varchar	Not null	50
St	Varchar	Not null	50
Gstnaumber	Varchar		50
Doi	Datetime	Not null	-
Dou	Datetime	Not null	10

Tower Table

Fields	Data-Type	Constrains	size
Tower_id	Int	Primary Key	11
Tower_name	Varchar	Not null	50
Total_floor	Int	Not null	11
No_of_flats_perfloor	Int	Not null	11
Totalflats_perfloor	Int	Not null	11
Isactive	Int	Not null	2
Doi	Datetime	Not null	-
Dou	Datetime	Not null	10

Property Table

Fields	Data-Type	Constrains	size
property_id	Int	Primary Key	11
property_name	Varchar	Not null	150
Municipal_charge	Double	Not null	(10,2)
Maintaince_charge	Double	Not null	(10,2)
Isactive	Int	Not null	2
Doi	Datetime	Not null	-
Dou	Datetime	Not null	10

Property type Details Table

Fields	Data-Type	Constrains	size
Property_type_id	Int	Primary Key	11
Property_id	Int	Foreign key	11
Area_type	Varchar	Not null	50
Area_unit	Varchar	Not null	50
Per_area_rate	Double	Not null	-
Area_size	Double	Not null	-
Area_rate	Double	Not null	-

Customer Inquiry Table

Fields	Data-Type	Constrains	size
Inquiry_id	Auto_Number	Primary Key	11
Name	varchar	Not null	150
Address	varchar	Not null	150
Proof	varchar	Not null	150
Occupation	varchar	Not null	200
Religion	Varchar	Not null	50
state_id	Int	Foreign key	3
city_id	Int	Foreign key	3
Birthdate	Date	Not null	-
Age	Int	Not null	3
Mobile	Int	Not null	11
Home_contact_no	Int	Not null	11
Email	Varchar	Not null	50
Property_id	Int	Foreign key	11
Followup	varchar	Not nul	150
Hear_about_us	Varchar	Not null	150
Status	ENUM('Inquiry', 'Possible Member', 'Member')	Not null	-
Inquiry_date	Date	Not null	-
Sale_date	Date	-	-
Is_active	Int	Not null	3

Vendor Details Table

Fields	Data-Type	Constrains	size
vendor_id	Auto_Number	Primary Key	11
Org_name	Varchar	Not null	150
Org_address	Varchar	-	150
Org_pincode	Int	-	10
Proof	varchar	Not null	150
Occupation	varchar	Not null	200
Religion	Varchar	Not null	50
state_id	Int	Foreign key	3
city_id	Int	Foreign key	3
Birthdate	Date	Not null	-
Age	Int	Not null	3
Mobile	Int	Not null	11
Home_contact_no	Int	Not null	11
Email	Varchar	Not null	50
Property_id	Int	Foreign key	11
Followup	varchar	Not nul	150
Hear_about_us	Varchar	Not null	150
Status	ENUM('Inquiry', 'Possible Member', 'Member')	Not null	-
Inquiry_date	Date	Not null	-
Sale_date	Date	-	-
Is_active	Int	Not null	3

Purchase order Table

Fields	Data-Type	Constrains	size
p_id	Int	Primary Key	11
Porder_id	Varchar	Not null	150
Order_date	Date	Not null	_
Vendor_id	Int	Not null	11
Total_Quantity	Int	Not null	2
Status	Enum(pending, received)	Not null	-
Payment_status	Enum(penuding, invoice_recorded)	Not null	_

Work Progress Category Table

Fields	Data-Type	Constrains	size
cat_id	Int	Primary Key	11
Category_name	Varchar	Not null	150
Is_active	Int	Not null	2

Work Progress Subcategory Table

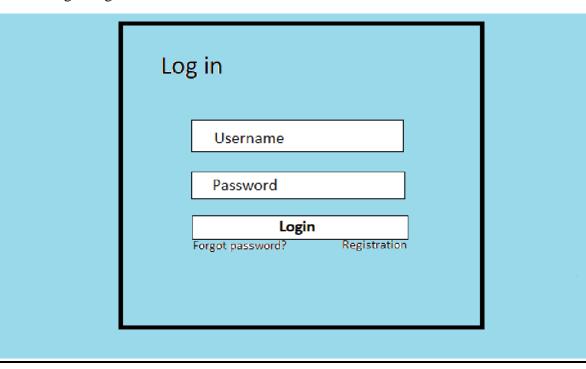
Fields	Data-Type	Constrains	size
Sub_cat_id	Int	Primary Key	11
c_id	Int	Foreign key	11
subcategory_name	Varchar	Not null	150
Is_active	Int	Not null	2

Work Progress Table

Fields	Data-Type	Constrains	size
wp_id	Int	Primary Key	11
Cat_id	Int	Foreign key	11
Sub_cat_id	Int	Foreign key	11
item_id	Int	Foreign key	11
Vendor_id	Int	Foreign Key	150
Used_qty	Int	Not null	11
Unit	Varchar	Not null	100
Doi	Datetime	-	-
Dou	Datetime	-	-

4.5 <u>User Interface (Wire Frames)</u>

1. Login Page:

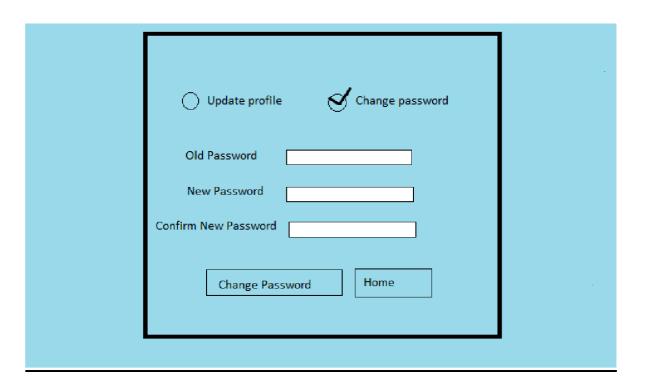


2. Forget Password Page:



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3. Reset Password



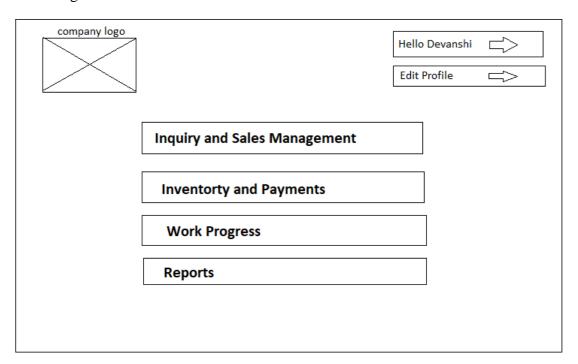
K.S SCHOOL OF BUSINESS MANAGEMENT M.Sc(CA & IT) Registration Page: Logo User Registration First Name: Last Name: User Name: Password: Confirm Password: Gender: O male O Female Mobile No: Email: Address: State: -----select-----City: ____select-----Zipcode:

Back

Register

Admin side

4. Home Page:



5. Company profile Page:

	logo	<u> </u>			Hello De	
Master	Site Profile	Tower	Property	Rate Master	Property Type	Main master
Site Information			Company	Profile		
Home		ny Name: t Name:				
Inquiry & sales management		umber: umber:]	
Inventory & payments		e Tax Nur	nber:			
Work Progress	Bank	Name	Acc	ount Number	Branch	$_{ m l}^{\oplus}$
Reports			Add F	Profile		

6. Add Tower Page:

	logo	<			Hello De	
Master	Site Profile	Tower	Property	Rate Master	Property Type	Main master
Site Information			Tower Co	nfiguration		
Home	Tower/Blo	ock/Bungl	ow Name :			
Inquiry & sales management	Total Floo	r				
Inventory & payments	Flats/shop	os Per Floo	or:			
Work Progress			Gen	erate		
Reports						

7. Main master Page: In this page add property type in different tower and also add how many floor of this tower also you can add.

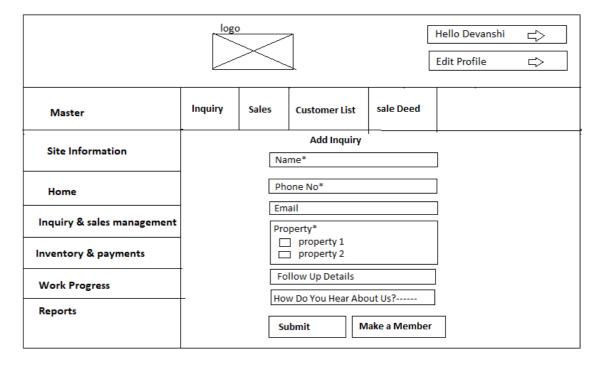
	logo	<			Hello De	
Master	Site Profile	Tower	Property	Rate Master	Property Type	Main master
Site Information		,	Main	Master		
Home	Select Pi	roperty Ty	/pe:	select		
Inquiry & sales management	Select To Select Fl			select]
Inventory & payments	. Selecti	10011				I
Work Progress	_		Allocate	Property		
Reports						

8. Report Page: In this page admin get all report for date wise and month wise also EMI report can get easily.

	logo			Hello De	vanshi	\Box
				Edit Prof	ile	\Box
Master	Daily work-sheet	Date Wise - Report	Month Wise - Report	Residual Stock Reports	EMI Report	Member - Wise EMI Report
Site Information		Date Wis	e Work Progress F	Report		
Home						
Inquiry & sales management	Catego	ry [Al	l Work			
Inventory & payments	Select	Date				
Work Progress		Genera	te Report			
Reports		Genera	te Report			
	,					

Supervisor Side

9. Inquiry Page : Below display add inquiry page. In this page supervisor add customer Inquiry and also mention property type .



10. Vendor page:

		ogo			ello Dev dit Profil		V V
	Vendor	Purchase	Vochar	other expenses	Plaster	Inventory	Item Master
Site Information			Add New Vend	lor Information		'	
Home	Organi	zation Name: []		
Inquiry & sales management	Phone	:					
Inventory & payments	Webs	ite:					
Work Progress	Vendor TIN Number:						
Reports			selec	t type			
	Cont	act Person Name	e:				
	Mobile:						
	Email Address:						
	Address: Pincode:						
	StateSelect City:Select						
			Save>>				

11. Purchase order page:

		logo			lello Dev		>
	Vendor	Purchase	Vochar	other expenses	Plaster	Inventory	Item Master
Site Information			Purchase Order		1		
Home Inquiry & sales management	Ore	der ID:					
Inventory & payments	Ord	der Date:					
Work Progress	Ver	ndor Name:	select				
Reports			Create Order				

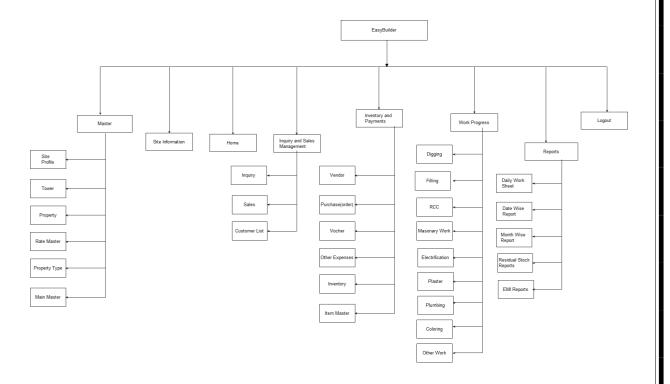
12. Item Page:

		ogo			ello Dev dit Profil		\$ \\
	Vendor	Purchase	Vochar	other expenses	Plaster	Inventory	Item Master
Site Information			Item Master			'	
Home	Iter	n Name:					
Inquiry & sales management	ite:	irivanie.					
Inventory & payments	Uni	t of Measurmen	t:				
Work Progress	Stat	us:	select				
Reports		_					
		Α	dd Item				

13. Add Work Page: In this page supervisor add work on site and construction related. And also add how many laborer work for particular work and how many charges pay to them.

		logo				lello Dev		⇒
Master	Digging	Filling	RCC	Masonary Work	Electrification	Plaster	Plumbing	Other Work
Site Information		Work Progress - Masonary Work						
Home	Blo Flo	ck Name: or:	L	select				
Inquiry & sales management	Fla	t:		select	-			
Inventory & payments		rt Date: d Date:						
Work Progress	Item Consumed Vendor Name Qty Used Unit							
Reports				vendor				
	ļ	of Labou						
	Cha	rges(Per	Labou	rer)]		
	We	ork In Cha	arge					
	Wo	rk Descri	ption:					
X								
				Submit				

4.6 **System Navigation:**



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