



G.M.D. ARTS, B.W. COMMERCE & SCIENCE
COLLEGE, SINNAR.

DEPARTMENT OF COMPUTER SCIENCE

A PROJECT REPORT ON

“ELECTRICAL SHOP MANAGEMENT”

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Savitribai Phule Pune University
2022-2023



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This is to certify that,

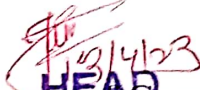
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Student of B.Sc. Computer Science has satisfactory completed
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fulfillment of degree course affiliated to Savitribai Phule Pune
University for the Academic Year 2022-2023 at G.M.D. ARTS, B.W.
COMMERCE & SCIENCE COLLEGE, SINNAR.


Project Guide
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1. Abstract

Electrical Shop Management : This report is conducted in order to set the foundations upon which the Second project of our SE Students in Information Technology will be built. The title of the project is: "Website Development Project: SS Electrical Shopee e-Business Website". The main target of this report is to conduct a thorough and in-depth analysis of the vast field of e-Business and at the same time explore the opportunities and the conditions that could lead into building a successful e-Business website on Information Technology employment.

2. Introduction

1. Web programming, also known as web development, is the creation of Static web applications.
2. Examples of web applications are social networking sites like Facebook or E-Business sites like Advert add.
3. The good news is that learning web development is not that hard!

2.1 Motivation

We observe that in college it's a tedious task to keep up with the Shop data and doing manual data backup is also not easy. You can't easily duplicate data or modify it. So we come up with this Electrical Shop Management to ease the collection and maintenance of Electrical shop data.

Motivation:

Day to day processes with these systems can be managed in a much efficient way. These systems give a unified view that helps the user to perform activities. It also helps remind which activities an individual needs to perform and which of them are already done

It's quite easy to review the performances of teachers with the help of automated reports and analytics. These systems help teachers keep a record of their own performance but also work on the areas or subjects they are at.

Motivation:

The electrical shop management system has constantly been evolving, hence to keep up with new channels of education we need to evolve our system to store information by automating the traditional ways and bringing more structure to the curriculum because today the world is on the verge of continuous evolution and so are we. The education systems all over the world are getting better along with getting complex. These systems are growing in size as well as scope, therefore it needs to be defined management for smooth functioning to keep up with new modes of information and new channels of education.

2.1 Problem Statement

Develop an application which facilitates creation of web pages having a need to show Services and Product and also which can be used by any user, Who need a Electrical Services and Product. Services Should get more cleared for users.

Visited User Should feel more user friendly ui and can send feedback or make inquiry or query about Services.

2.2 Purpose / Objective & Goals

- ❖ The Basic Building Blocks of a Web Development Proposal Every website proposal (similar to web design proposals) should include:
 - Executive Summary - A one-page summarization of the whole project, including all necessary specifics such as important timeline points and budget.
- ❖ Marketing– drive traffic, engage prospects, generate leads and re-engage existing customers.
- ❖ Sales– help close sales by validating and supporting sales team communications.
- ❖ Customer Support – improve customer satisfaction through better service.
- ❖ Webmasters– simplify and optimize content updates and website management.

2.4 Literature survey

This is one of the most widely accepted statements and applies for every aspect of human activity. Internet is an unlimited pool of information and benefits anyone who uses it properly.

According to Porter and Millar (1985) information gives competitive advantage to a company in three different ways:

- a) By changing industry structure and changing the rules of competition.
- b) By providing companies with new ways to outperform their competitors.
- c) By creating new businesses, even from within a company's existing operations.

2.5 Project Scope and limitation

- **Scope:**

A future website is not only beautiful but is highly functional, and has longevity built-in. I use only the latest web technologies design methodologies such as responsive web design, HTML5, and progressive enhancement through CSS3 to craft your business's online presence.

- **Limitation:**

Runs on any OS: It's programmed to run on any OS .

Runs using easy URL: These apps run on the device's own browser through an easy URL.

Need not be downloaded: They don't got to be downloaded and installed from app stores like Google Play or Apple's App Store.

Cost Efficient: The most important benefit you'll draw faraway from it's its price. Web development is that the cheaper quite Web development.

3. System Analysis

3.1 Existing System

Currently our college has manual system of putting notices on notice board. Its outdated now. As nobody has a time to stand in rush in order to read the notices on noticeboard.

Limitations of Existing System:

1. Order of Data: Notice can get out of order in traditional notice board system. If someone accidentally puts some data in the wrong place, it can lead to lost data. Automated notice management systems allow users to quickly check whether information already exists somewhere in the system, which helps avoid problems like redundant data.
2. Complexity: Automated system is less complex than manual system of handling notices, which can make it easier for untrained people to access and manipulate data. Anyone having the basic knowledge of mobiles can work on the automated system.
3. Inconsistency of data: There will be an unavailability for future use, since notice might get mis-placed during manual notices management. So notice won't be preserved properly for future use.
4. Damage: Manual notices stack are vulnerable to damage, destruction and theft in ways that digital databases are not. A company may back up its digital data both on site and at offsite locations, ensuring its security if the office building suffered a fire or similar disaster. A manual database, however, may only exist in one place without any copies. As a result, a manual database would be very vulnerable to a fire or other natural disaster. In addition, while access time in a manual database system, information must be found by hand rather than electronically. While a digital database will typically allow users to search the entire database for specific information in seconds, someone looking for information in a manual system may have to spend hours searching for a particular piece of data.
5. Editing and Communication: Manual notices do not allow users to easily edit data or information. Manual notices often cannot be edited directly, forcing users to

make new copies. To circulate notice on paper, users must require peons and other staff. e-Notice app allows users to edit information fields directly, and because data is stored digitally, it is already in a form that can be easily transmitted.

3.2 Scope and limitation of existing systems

This product has great future scope. Online shopping Internet software developed on and for the Windows and later versions environments and Linux OS. This project also provides security with the use of Login-id and Password, so that any unauthorized users cannot use your account. The only Authorized that will have proper access authority can access the software.

3.2 Project perspective

To overcome the drawbacks of the existing system, the proposed system has been evolved. This project aims to reduce the paper work and saving time to generate accurate results. The system provides with the best user interface. The efficient reports can be generated by using this proposed system.

Features

The future scope of the project is that it can be used as any news giving application or it can be used to advertise your products, telling the customers about new schemes and products coming to your shop. This application of e-Notice can be further extended to include the following features

3.3 Stakeholder

- Admin
- Client / Customer

3.4 Requirement analysis

1. Functional requirements

User registration:

Given that a user has downloaded the mobile application, then the user should be able to register through the mobile application. The user must provide user-name, password, and e-mail address. The user can choose to provide a regularly used phone number.

2. Security Requirements

Communication Security:

There should be security of the communication between the system and server. The messages should be encrypted for log-in communications, so others cannot get user-name and password from those messages. Every exchanged of information between client and server should be encrypted so that no one can track it.

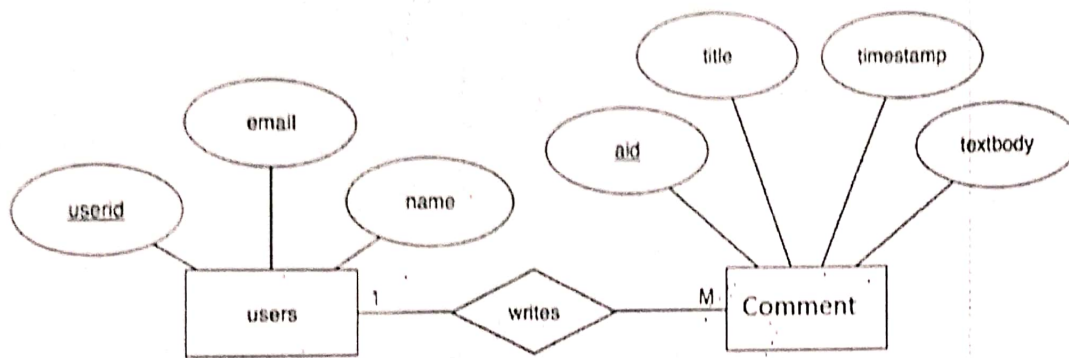
4. System Design

4.1 Design Constraints

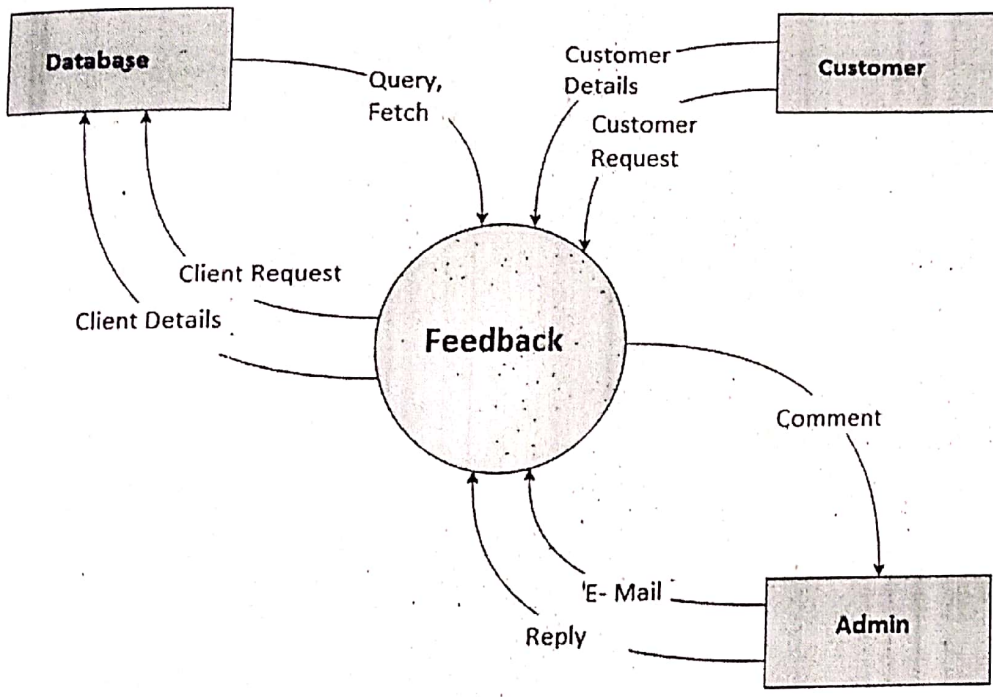
Common Diagram Containing Following - The Symbols used in ER diagram are as follow: ER Diagram describes data at rest, data being stored. Data relationship is the relation between the entities. Entity is an object that exist and it's distinguishable from other objects. ER diagram shows data at rest. This means ER diagram does not show data flow.

4.2 System Model

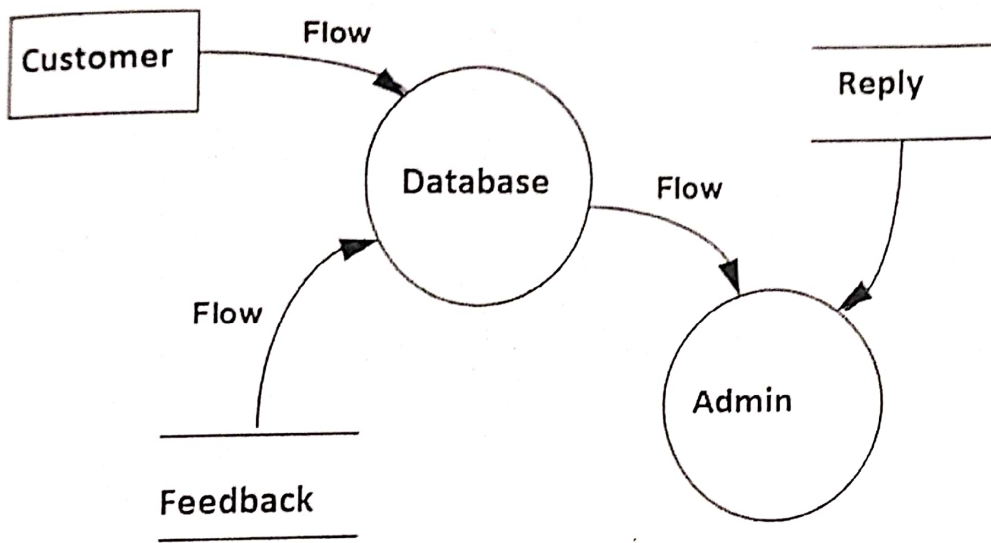
ER Diagram



Context Level Diagram



Data Flow Diagram



4.3 User Interface:

There are following User Interface:

- Client User Interface:

A User Interface, which is also called as “UI” or simply an “interface”. Is the means in which a person controls a software application or hardware device. A good User Interface provides a “User friendly” experience, allowing the user to interact with the software or hardware in a natural and intuitive way.

Output Screen:

• Admin – Login Page



Shiv Shakti Electricals Ltd. | Commercial Electrician, Vancouver Electrical Company.

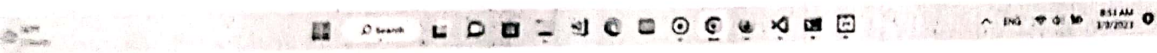


User name

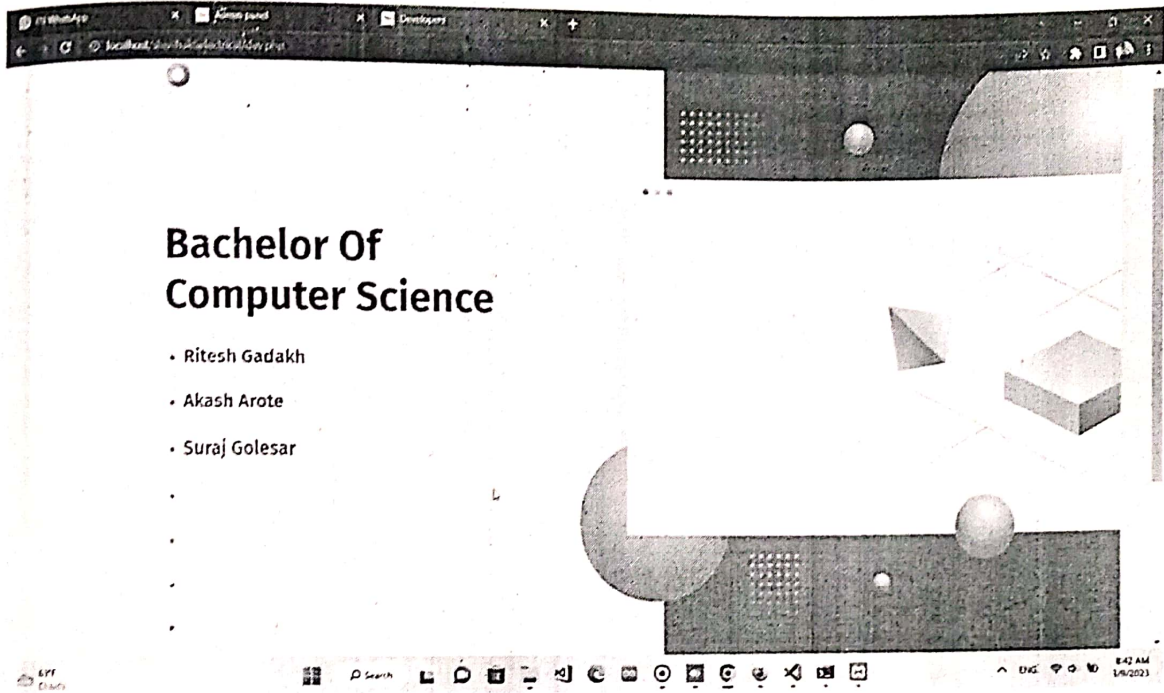
Pass

Remember

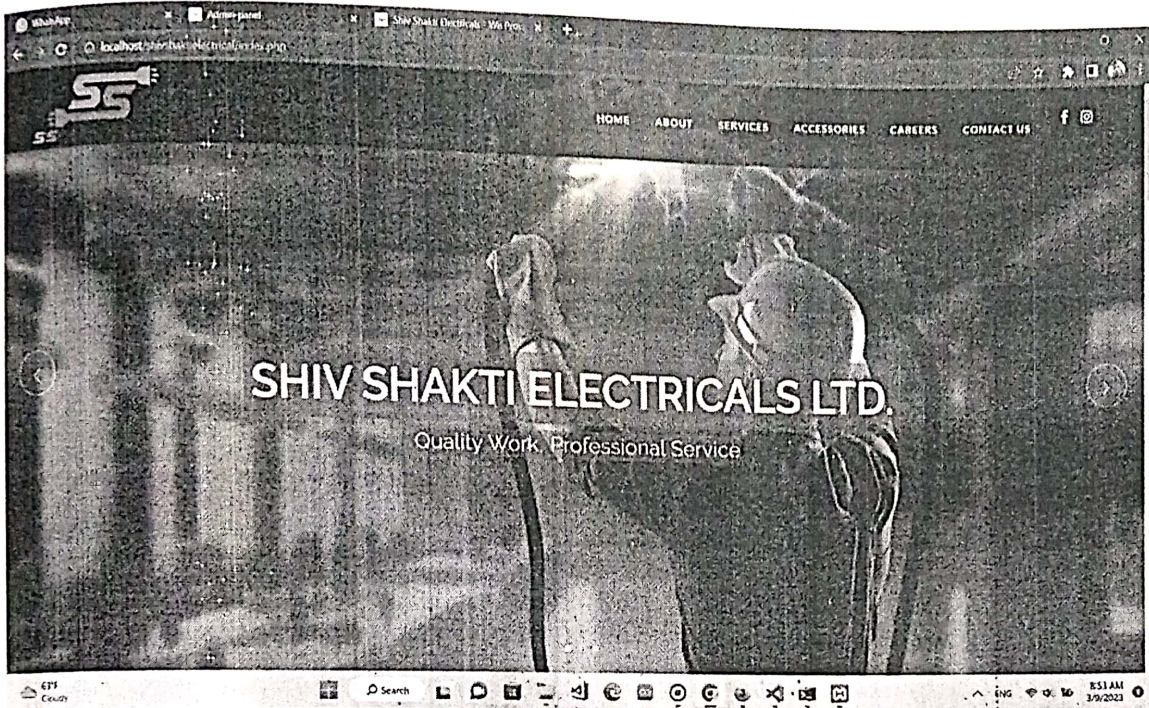
Login



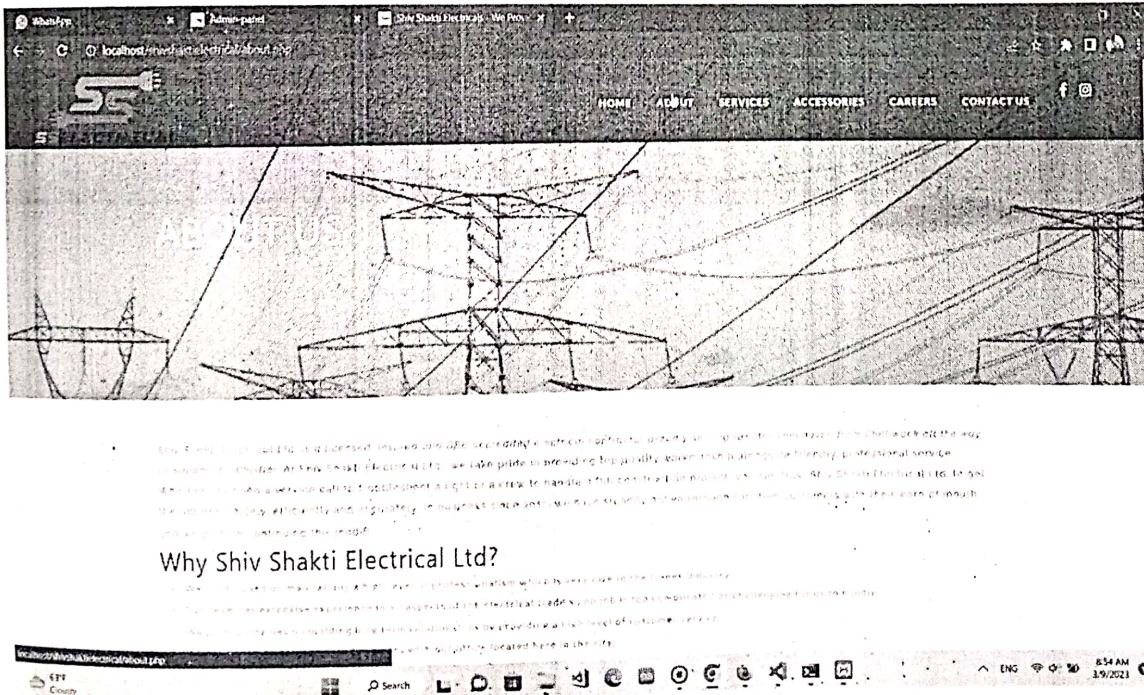
↓ Admin – Developer Name



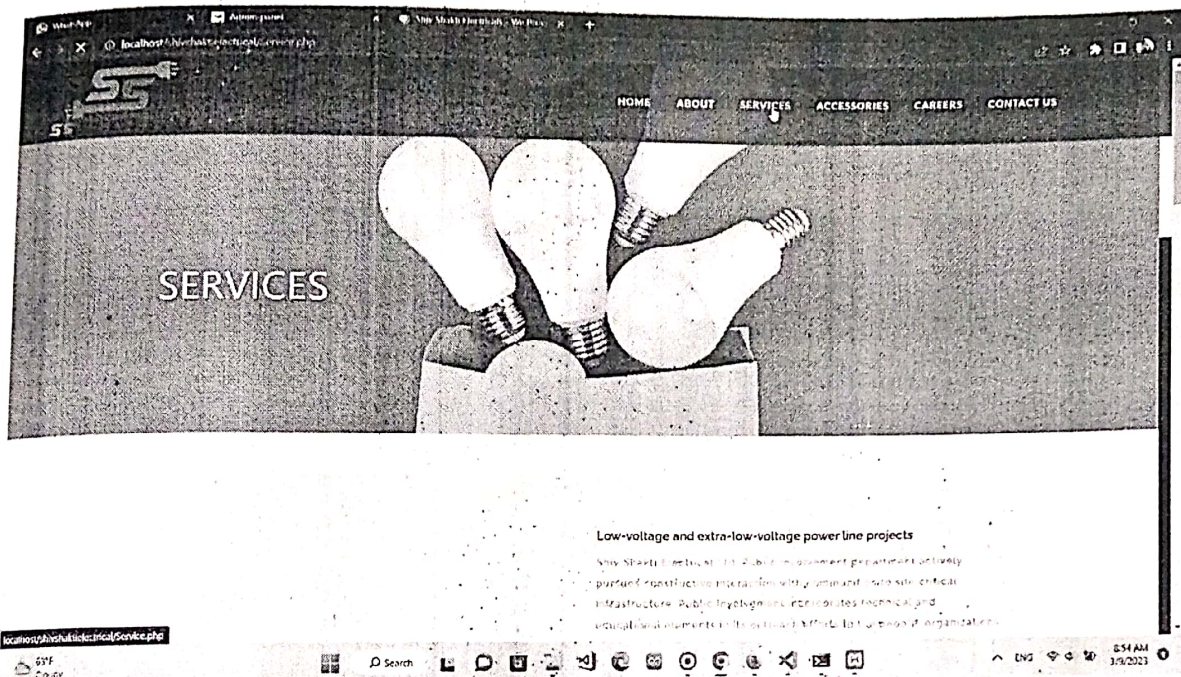
↓ Admin – DashBoard



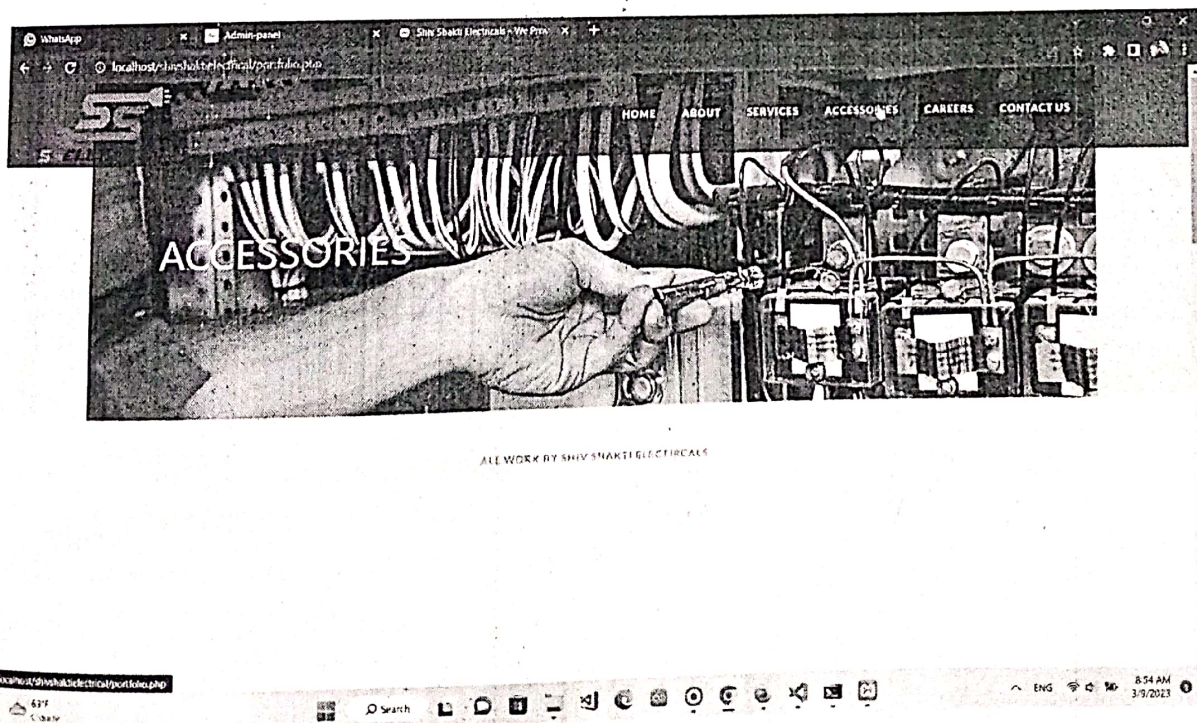
↓ Admin – About Us



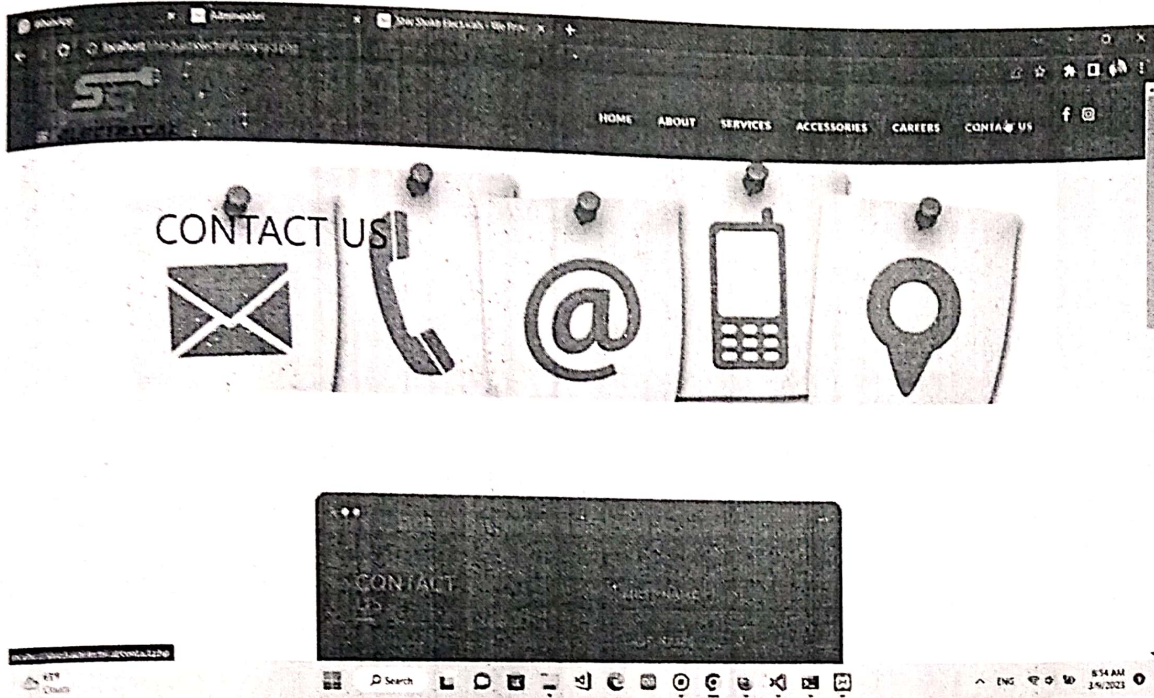
↓ Admin – Services



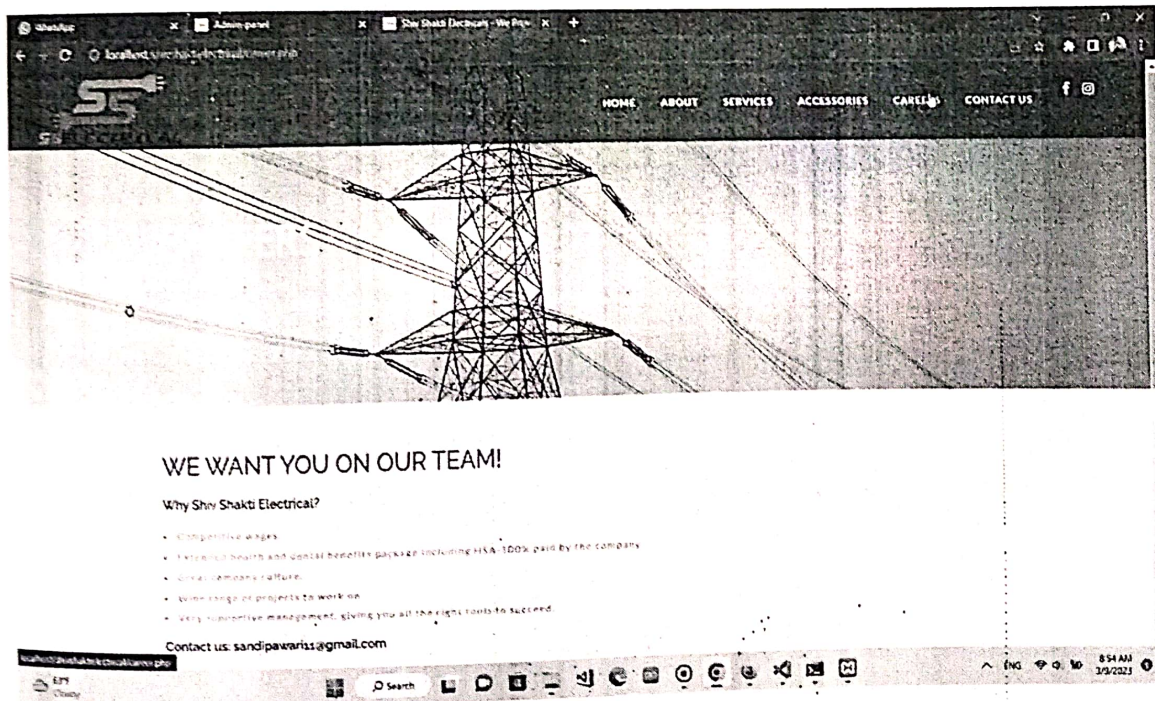
↓ Admin - Accessories



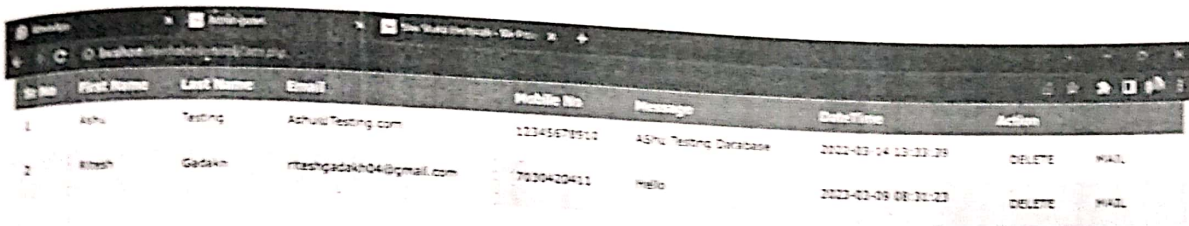
Admin - Contact Us



↓ Admin - Careers

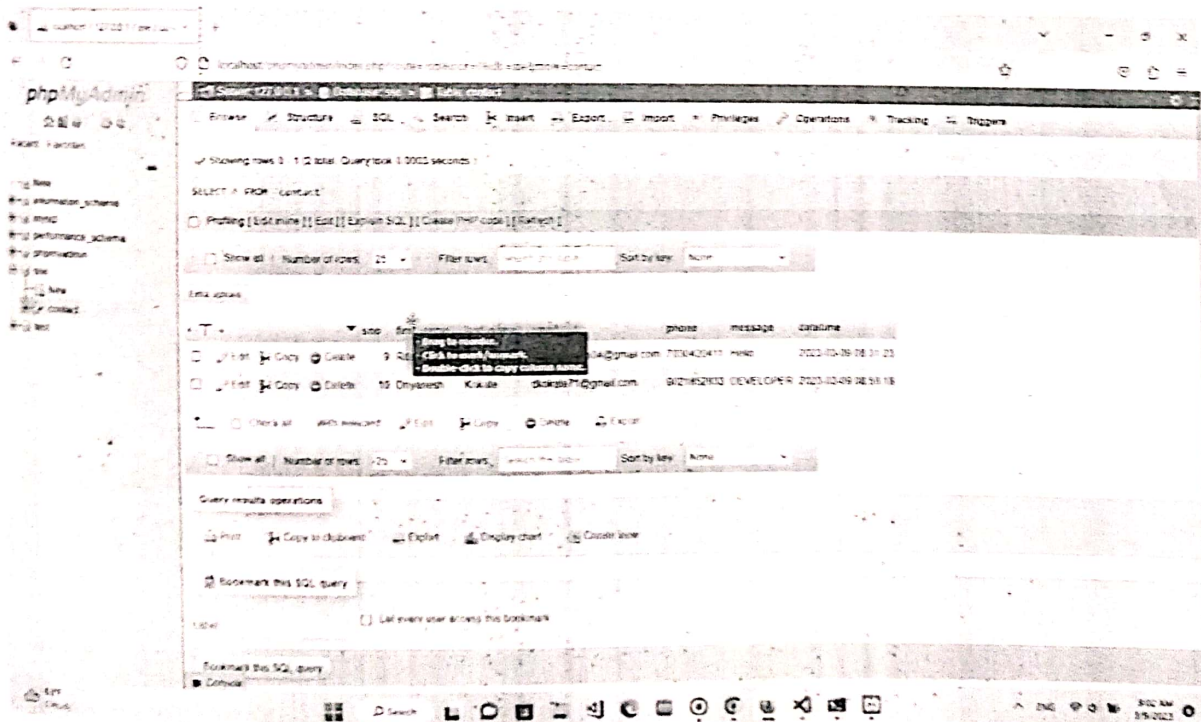


Admin – Background database



S.No	First Name	Last Name	Email	Mobile No	Message	DateTime	Action
1	Ashu	Testing	Ashu@Testing.com	9224567890	Ashu Testing Database	2022-02-14 13:02:39	DELETE MAIL
2	Ritesh	Gadakh	riteshgadakh04@gmail.com	7930420411	Hello	2022-02-09 08:20:23	DELETE MAIL

Admin – Server Database



phpMyAdmin

SELECT * FROM `contact`

s.no	first	phone	message	datetime
1	Ashu	9224567890	Ashu Testing Database	2022-02-14 13:02:39
2	Ritesh	7930420411	Hello	2022-02-09 08:20:23

Query results operations: Print, Copy to clipboard, Export, Display chart, Cluster view

Bookmark this SQL query

5. Implementation details

- PHP programming language
- MySQL database server
- HTML
- BOOTSTRAP

5.1 Software and hardware specification

Software:

Operating System :- Windows , Linux , Unix, etc.
Front End :- Javascript , JQuery ,Bootstrap HTML
CSS (Cascading Style sheet)
Back End :- MySQL , PHP
Browser :- Chrome and others browser

Hardware:

Client side	Server Side
Browser Any Browser	Processor Pentium 2.0 and above
Processor Pentium 2.0 and above	RAM 1 GB
RAM 256 MB	Hard Disk Space 4 GB

6. Outputs and Report Testing

Test plan:

The project test plan is a document that outlines for project stakeholders the product functions to be tested, what specific tests will be performed, the approach to be taken for those tests, what to test and what not to test, how the tests will be performed, who will be responsible for performing each test, what results are expected. Testing is vital to the success of the system. Testing is the process of executing a program with the explicit intention of finding errors that is making the program fail. The tester maybe an analyst, programmer or a specialist trained for software testing.

Black box testing:

The black box is a powerful technique to check the application under test from the user's perspective. Black box testing is used to test the system against external factors responsible for software failures. This testing approach focuses on the input that goes into the software, and the output that is produced. The testing team does not cover the inside details such as code, server logic, and development method. Black box testing is based on the requirements and checks the system to validate against predefined requirements.

White box testing:

White box testing refers to a scenario where (as opposed to black box testing), the tester deeply understands the inner workings of the system or system component being tested. White box testing is a type of testing where the tester can see the

code. The main purposes of this type of testing are to test the inner workings of the software, as well as strengthen its security, and improve its usability and design. This is also known as structural testing as the tester chooses which inputs to test and follows their paths through the software to reach their expected outputs. White box testing is used in the unit, integration and systems phases of software testing.

7. Conclusion and Recommendation

In today's Web development, a good page design is essential. A bad design will lead to the loss of visitors and that can lead to a loss of business. In general, a good page layout has to satisfy the basic elements of a good page design

8. Future Scope

A future website is not only beautiful but is highly functional, and has longevity built-in. I use only the latest web technologies design methodologies such as responsive web design, HTML5, and progressive enhancement through CSS3 to craft your business's online presence.

9. Bibliography and References

Design and implementation of an online self-training system for the Computer System Platform course

- ❖ W3School.com
- ❖ sourcecode.in.
- ❖ bootstrap.com
- ❖ www.tutorialspoint.com
- ❖ www.google.com
- ❖ www.youtube.com

THANK-YOU

