

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI**



Internship Report

on

"E-Health Care Management"

A report submitted in partial fulfillment of the requirements for the award a
degree of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by

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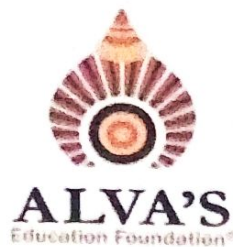
4AL20CS034

Under Supervision of

Dr. Bramha Prakash H P

Associate Professor

Computer Science and Engineering



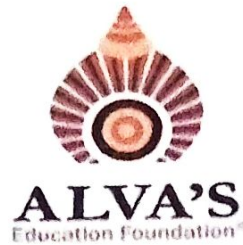
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA 2023 – 2024

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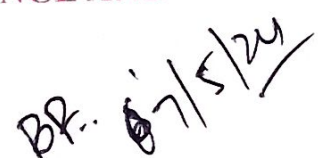


DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the Internship report on **"E-HEALTH CARE MANAGEMENT"** submitted by **DEEKSHITHA S R (4AL20CS034)** is work done by him and submitted during the academic year 2023–24, in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF ENGINEERING in COMPUTER SCIENCE AND ENGINEERING**


Internship Mentor
Department of CSE


Internship Coordinator
Department of CSE


Head of the Department Department of CSE

Examiners

Name

Signature

1)

2)

Acknowledgement

First I would like to thank QSpiders for giving me the opportunity to do an internship within the organization.

I also would like all the people that worked along with me in QSpiders with their patience and openness they created an enjoyable working environment.

It is indeed with a great sense of pleasure and immense sense of gratitude that I acknowledge the help of these individuals.

I am highly indebted to Managing Trustee **Mr. Vivek Alva** and Principal **Dr. Peter Fernandes, Alva' Institute of Engineering and Technology, Mijar** for the facilities provided to accomplish this internship.

I would like to thank my Head of the Department **Dr. Manjunath Kotari, Professor, Department of Computer Science and Engineering** for his constructive criticism throughout my internship.

I would like to thank my internship Coordinator **Dr. Bramha Prakash H P, Associate Professor, Department of Computer Science and Engineering** for his guidance throughout my internship.

I am extremely grateful to my department staff members and friends who helped me in successful completion of this internship.

DEEKSHITHA S R
4AL20CS034

CERTIFICATE

OF INTERNSHIP



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10 SECONDS



HireNee


AERODYNAMICS




PROUDLY PRESENTED TO:

DEEKSHITHA S R

For the successful completion of **45 days of Internship Program** on the topic **"Java/Python Full Stack Development, Data Structures & Algorithms, Artificial Intelligence & Machine Learning, Aptitude and Soft Skill Training"** conducted by Training & Assessment Partners and IIIT Allahabad during March/April and August 2023.



Head - Training and
Placements



Head of the
Department



Principal

ABSTRACT

Young job aspirants the perfect launch-pad to build a rewarding career in the growing IT sector. From its humble beginnings, QSpiders has exponentially grown to be the world's largest software testing training organization spread across countries. At QSpiders, It ensure training is imparted by specialists with proven subject matter expertise and who have spent over a decade in their area of specialization. Its faculty are highly competent, skilled and dedicated to giving their best towards the professional development of students. Besides training, It also provide placement assistance to our students and most of the big corporates in the corporate world hire our trained talent. It is indeed our pleasure to have placed over thousands of job-seekers in various IT firms across India over the years with an aim to place thousands more! Building competency into over 5000 students a month, QSpiders is where talent meets opportunity and we believe your search for the dream job or the dream professional ends here.

DAILY LOGS

DAY	DATE	TOPICS COVERED
Day 1-Day10	15/11/2022 – 25/11/2022	Core Java
Day 11-Day 16	01/09/2023 – 05/09/2023	HTML, CSS, JavaScript
Day 17-Day 20	06/09/2023 – 09/09/2023	Servlet, JDBC and Frameworks
Day 21-Day 25	10/09/2023 – 15/09/2023	Core Java
Day 26- Day 32	08/10/2023 – 14/10/2023	Hibernate, Spring Boot, Spring MVC
Day 33-Day 45	15/10/2023 – 28/10/2023	MySQL

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INTERNSHIP OBJECTIVES

The main objective of this internship is to learn both backend and frontend technologies so that workers can work in any field of software development. To maximize the quality of work in the field of software development, it has been provided to impart practical problem-solving skills which in turn will enhance prospects of career growth.

CHAPTER 1

INTRODUCTION

QSpiders is the world's ace software training organization with an aim to bridge the gap between the demands of the industry and the curriculum of educational institutions. With centers across the Globe, the institute is a platform where young minds are given the opportunity to build successful careers. The company vision is to build an employee fit for agile workspace and provides more software related course which will help us to enlightening our carrier. The company is mainly focusing on Software Development, Software Testing, Core Java and Selenium, API Testing, Java Full Stack Development etc. The company will provide the sufficient training which will be helpful to crack the interview offered by other companies. It also provides placement opportunities for both graduates as well as students in different MNC's. QSpiders, JSpiders and PySpiders hold the record of supplying the highest number of industry-ready technical resources. They can supply over 3500 technical resources at any time to meet the industry's demand.



Fig-1.1 Logo of QSpiders

CONTACT DETAILS:

Websites: <https://www.qspiders.com/>

Headquarters:

Bangalore

Year Founded:

2003

Company Type:

QSpiders is a private company based in Bangalore, India that provides training and placement services in software testing and other related fields. The company has several branches across India and offers courses in manual testing, automation testing, mobile testing, and more.

QSpiders has gained a reputation for providing quality training and has placed many of its students in top IT companies in India. The company has a team of experienced trainers who provide hands-on training to the students and help them build their skills in software testing.

While QSpiders has received positive reviews from many of its students and clients, it's important to note that individual experiences may vary. It's always a good idea to do your own research and read reviews before choosing a training provider.

Address:

01, Hayavadana Rao Rd, Basappa
Layout, Gavipuram Extention,
Kempegowda Nagar, Bengaluru,
Karnataka 560019

Email - enquiry@qspiders.com

Phone - 8951965854

CHAPTER 2

PROJECT DETAILS

2.1 PROJECT AREA/DOMAIN:

The goal of this internship is to develop a Online exam using javaScript, jsp, jdbc, and servlet.

Problem statement: Severe organ shortage: Demand for life-saving transplants vastly outstrips available organs, leaving many patients on waiting lists and facing mortality.

Public misconceptions: Lack of awareness about brain death definition and cultural barriers can hinder organ donation authorization.

Inefficient infrastructure: Limited organ retrieval networks and logistical challenges can restrict timely allocation of viable organs to recipients.

2.2 PROBLEM STATEMENT:

1. Public Awareness and Registration:

Campaigns: Educate the public about the importance of organ donation through targeted campaigns.

Registration System: Create a user-friendly platform for individuals to register as organ donors.

This could involve:

2. Donation Identification and Matching:

Hospital Coordination: Establish a strong network between hospitals and the donation registry.

Identification of Potential Donors: Hospitals would identify deceased patients with viable organs and check their registered donor status.

3. Organ Retrieval and Transportation:

Specialized Teams: Maintain dedicated teams trained in organ retrieval and preservation procedures.

Transportation System: Ensure a reliable and efficient transportation network to swiftly transfer organs to recipients.

4. Recipient Care and Post-Operative Support:

Recipient Selection: Meticulously evaluate potential recipients based on medical urgency and compatibility.

CHAPTER 3

METHODOLOGY

3.1 JavaScript

King of the Web: Invented for web interactivity, it's the only language natively understood by browsers, making websites dynamic.

Beyond the Browser: Not just for websites! Node.js lets JavaScript run on servers, enabling various applications.

Easy to Learn: Known for its relatively simple syntax, making it a popular first language for programmers.

Versatile Tool: Handles various tasks:

Adding animations and interactivity to webpages.

Creating complex web applications with frameworks like React or Angular.

Building mobile apps with frameworks like React Native.

Constantly Evolving: New features and improvements are added regularly, keeping it relevant and powerful.

MySQL Workbench:

MySQL Workbench is a unified visual tool for database architects, developers, and DBAs. MySQL Workbench provides data modelling, SQL development, and comprehensive administration tools for server configuration, user administration, backup, and much more. MySQL Workbench is available on Windows, Linux and Mac OS X. As a Programmer one can perform following using MySQL Workbench

- Create and configure the database.
- Store and retrieve the data from database.
- Execute the required query in accordance with user requirement.

3.2 JSP

JSP stands for Java Server Pages, and it is a technology used for building dynamic web pages with Java. JSP allows developers to embed Java code directly into HTML pages, which can be executed by a web server before being sent to the client. This allows for dynamic content to be generated based on user input or other variables

JSP includes a set of predefined tags that can be used to simplify the creation of dynamic content, including tags for accessing databases, handling user input, and generating conditional content. JSP also allows for the creation of custom tags that can be reused across multiple pages or projects.

3.3 JDBC

JDBC stands for Java Database Connectivity, and it is a Java API used for connecting Java applications to relational databases such as MySQL, Oracle, and PostgreSQL. JDBC provides a standard set of interfaces and classes that allow Java applications to interact with databases in a portable and database-independent way.

JDBC includes a driver manager that provides a way to load and manage database drivers,

which are used to connect to specific databases. Once a driver is loaded, a Java application can

use JDBC to perform operations such as executing SQL statements, retrieving and updating data, and managing transactions.

3.4 SERVLET

Servlets are Java-based server-side technologies used for building dynamic web applications.

Servlets run on a web server and respond to client requests, generating dynamic content based on user input or other variables.

Servlets use the Java Servlet API, which provides a standard set of interfaces and classes for building web applications. Servlets can be used to handle HTTP requests and responses, manage user sessions, and interact with databases and other server-side resources.

Servlets can be used in conjunction with other web technologies such as Java Server Pages (JSP), Java Server Faces (JSF), and Struts to build complex web applications. Servlets are widely used in enterprise environments for building scalable and secure web applications.

CHAPTER 4

IMPLEMENTATION

4.1 SOURCE CODE

Front end

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta name="viewport" content="width=device-width, initial-scale=1"> <link  
rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/4.7.0/css/font-awesome.min.css">
```

```
<style> body
```

```
{
```

```
font-family: Arial, Helvetica, sans-serif;
```

```
}
```

```
.navbar { overflow:
```

```
hidden; background-
```

```
color: #878; margin-left:
```

```
-1.2%; margin-top: -
```

```
0.6%;
```

```
margin-right: -1%;
```

```
}
```

```
.navbar a { float: left;
```

```
font-size: 16px; color:
```

```
white; text-align:
```

```
center; padding: 14px
```

```
16px; text-decoration:
```

```
none;
```

```
}
```

```
.dropdown { float:  
  left;  
  overflow: hidden;  
}
```

```
.dropdown .dropbtn {  
  font-size: 16px; border:  
  none; outline:  
  none; color: white;  
  padding:  
  14px 16px; background-  
  color: inherit; font-family:  
  inherit; margin: 0;  
}
```

```
.navbar a:hover, .dropdown:hover .dropbtn { background-color:  
  red;  
}
```

```
.dropdown-content { display: none; position:  
  absolute; background-color: #f9f9f9; min-  
  width: 160px; box-shadow: 0px 8px 16px 0px  
  rgba(0,0,0,0.2); z-index: 1;  
}
```

```
.dropdown-content a {
```

```
float: none; color:
black; padding:
12px 16px; text-
decoration: none;
display: block; text-
align: left;
}
```

```
.dropdown-content a:hover { background-color:
#ddd;
}
```

```
.dropdown:hover .dropdown-content { display:
block;
}
```

```
.log { float:
right;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="navbar">
```

```
<a href="action.php">Dashboard</a>
```

```
<div class="dropdown">
```

```
<a href="update.php">User Update</a>
```

```
</div>
```

```
<div class="dropdown">
```

```
<button class="dropdown">Receipient
```

```
<i class="fa fa-caret-down"></i>
```

```
</button>
```


class="dropdown-content">

<div

Register Recepient

View Recepients details

Recepient organ details

Received Recepient

</div>

</div>

<div class="dropdown">

<button class="dropbtn">Donor

<i class="fa fa-caret-down"></i>

</button>

<div class="dropdown-content">

Register Donor

View Donor details

Donor organ details

Donated Donor

</div>

</div>

<div class="log">

<div class="dropdown">

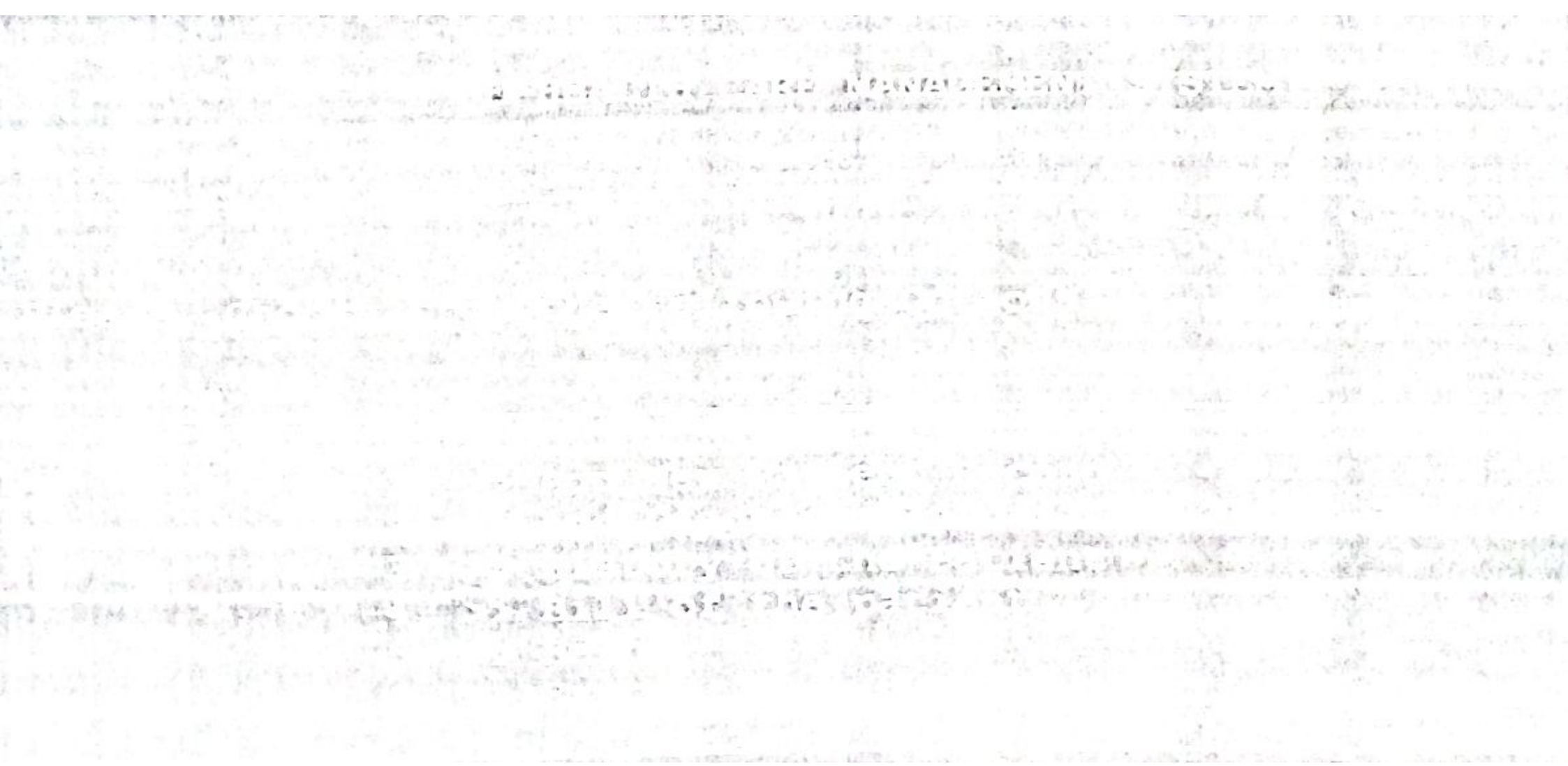
<button class="dropbtn">Welcome <?=\$_SESSION['username']?>

<i class="fa fa-caret-down"></i>

</button>

```
<div class="dropdown-content">  
  <a href="logout.php">LOGOUT</a>  
  
  </div>  
  
</div>  
  
</div>  
  
</div>  
  
</div>
```

```
</body>  
</html>
```



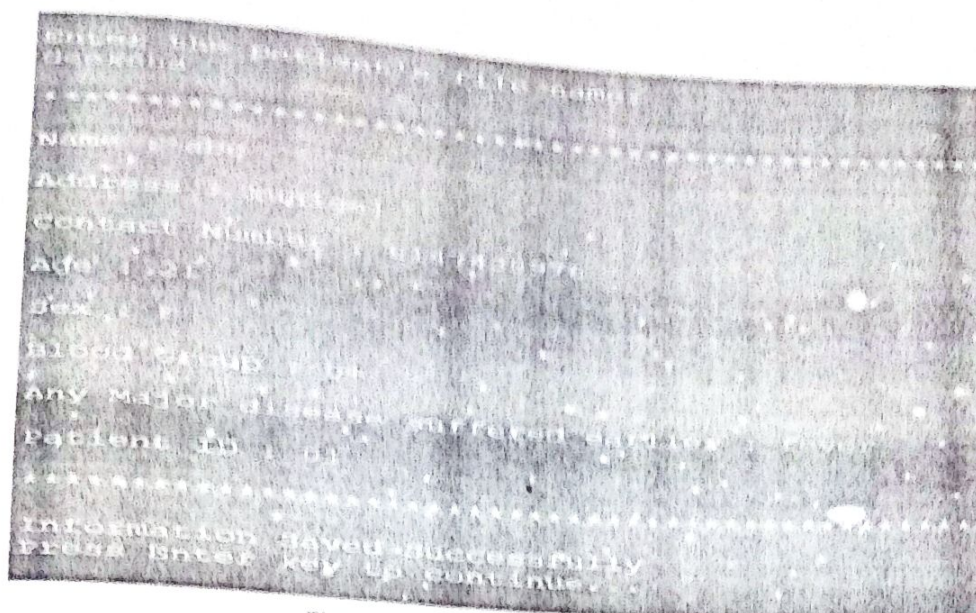


Fig 4.2.4 admin Dashboard

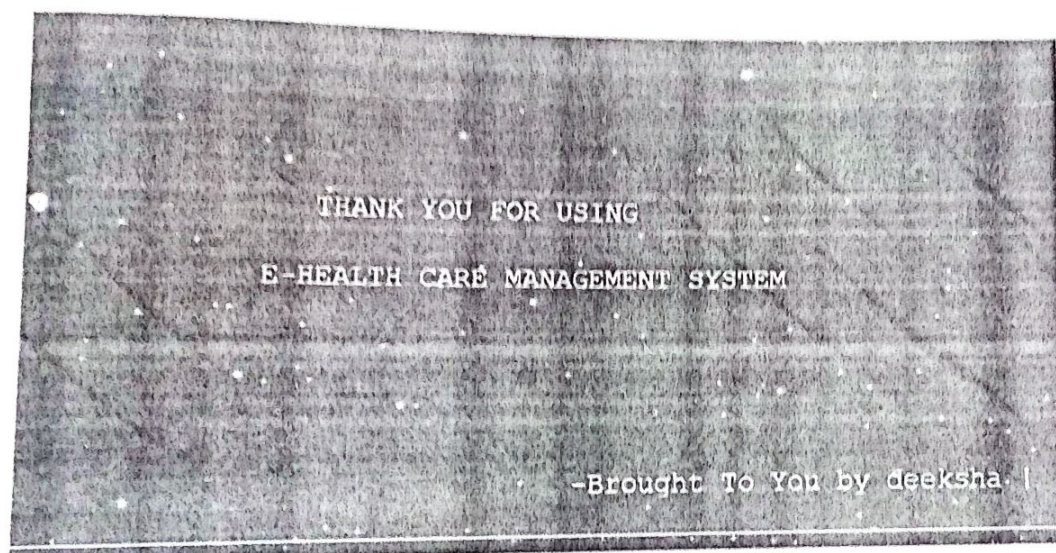


Fig 4.2.5 Exit

CHAPTER 5

INTERNSHIP BENEFITS

After Completing 90 days of internship in QSpiders Bangalore , I have got idea about different java frameworks, technologies in various IT field for real time application development. This internship help us to overcome the gap between the industrial needs. In these 30 days of internship I learnt lot of java technologies and frameworks like Maven Project, JDBC, Hibernate, Spring Boot, Spring MVC etc. It help me to learn basic knowledge of HTML, CSS, JavaScript and Database like MySQL and Oracle. Provides much knowledge about real time application development using software development practices. Learned to debugging the code to fix the error. Able to work with team and learned how to be a part of team during work. Learnt both frontend and backend technologies for efficient application development.

CHAPTER 6

CONCLUSION

This project is designed to meet the requirements of E-Health Care Management. It has been developed in PHP, MySQL keeping in mind the specifications of the system. For designing the system, we have used simple data flow diagrams.

Overall, the project teaches us the essential skills like:

This application software has been computed successfully and was also tested successfully by taking "test cases". It is user friendly, and has required options, which can be utilized by the user to perform the desired operations.

- Using system analysis and design techniques like data flow diagram in designing the system.
- Understanding the database handling and query processing.

CHAPTER 7

REFERENCES

1. Fundamentals of Database Systems, Ramez Elmasri and Shamkant B. Navathe, 7th Edition, 2017, Pearson.
2. Database management systems, Ramakrishnan, and Gehrke, 3rd Edition, 2014, McGraw Hill
3. MY SQL The Complete Reference George Koch
4. https://www.w3schools.com/css/css3_buttons.asp
5. <https://stackoverflow.com/questions/6384304/styling-buttons-with-css/51112564>