TATA STEEL

SNTI

TRAINEE MANAGEMENT PORTAL USING PHP &HTML

:- WEB DEVELOPMENT



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B.TECH IN COMPUTER SCIENCE AND ENGINEERING FROM INSTITUTE OF TECHNICALK EDUCATION AND RESEARCH (ITER)

(S.O.A UNIVERSITY)

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ACKNOWLEDGEMENT

I, AYUSH KUMAR, VT20222781, would like to express my gratitude to my guide, Mrs.Suman Kumari, and my sponsor, for allowing me to work on this project on "Web development" using MYSQL DBMS ASP.NET C# FRAMEWORK" and for all of their assistance and guidance that enabled me to complete this project successfully. Finally, I'd like to express my gratitude to Tata Steel, SNTI, for providing this interesting internship opportunity for students like me to get industrial experience systematically.

Name :- **AYUSH KUMAR**

Reference Number: VT20222781

INTRODUCTION

This project is made using Asp.Net Framework for both, frontend and backend, and MySql Workbench for Database. The project titled "Mtech Trainee Internship and Trainee Website" is based on two modules, "Admin" and "Students". The admin module is made by project guides and mentors, who can enter the trainee details for the new trainee, while the student module is made for students, who can access, view, and edit the student details.

The additional pages include the home page (landing page), the feedback page in the student module, project information page to view the information about the project.

The project has been built using the .Net framework Web Application, version: _.Net Framework 4.8. _.

NET is a free, cross-platform, open-source developer platform for building many different types of applications. With .NET, you can use multiple languages, editors, and libraries to build for web, mobile, desktop, games, IoT, and mor

TECH STACK DETAILS

TATA STEEL

MICROSOFT VISUAL STUDIO IDE:

A software program known as an integrated development environment (IDE) offers complete tools for software development to computer programmers. A source code editor, build automation tools, and a debugger are typically included in an IDE. The necessary compiler, interpreter, or both are included in some IDEs like NetBeans and Eclipse, but not in others like SharpDevelop and Lazarus.

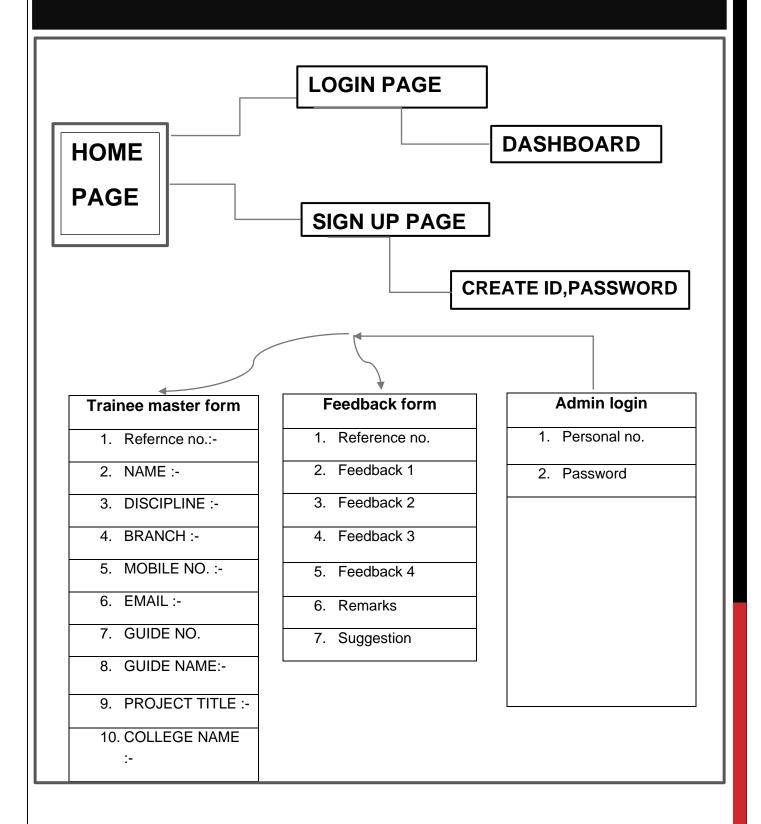
ASP.NET FRAMEWORK:

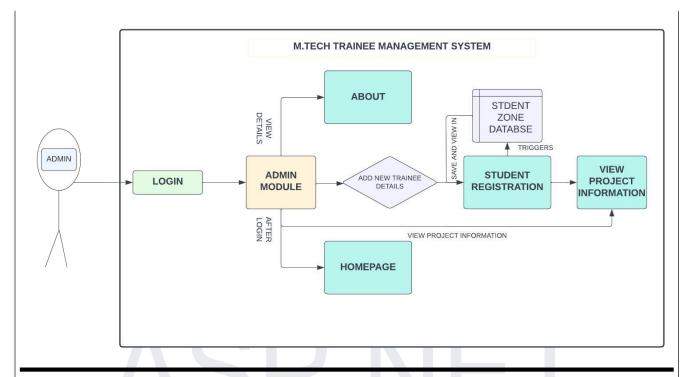
Using HTML, CSS, and JavaScript, ASP.NET is a free online framework for creating outstanding websites and web apps. You can employ real-time technologies like Web Sockets and develop Web APIs. A component of Microsoft's. The net platform is ASP.NET. The extensible and reusable components or objects found in the .Net framework are used to create the compiled codes that make up ASP.NET applications. These scripts are capable of utilizing the whole class hierarchy in the.Net framework. There are numerous languages that can be used to create ASP.NET apps, including c#, Visual Basic.Net, JScript, and j#

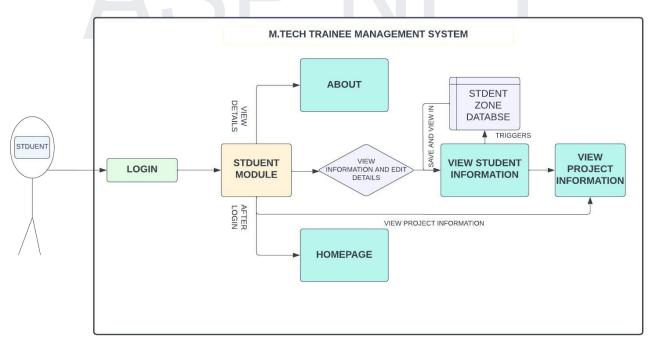
ASP.NET FRAMEWORK

The asp.net framework and MySql for database connectivity were used in the development of this project utilizing the Microsoft Visual Studio IDE. The database tables were generated using MySql Database and Workbench, and the forms were created using web forms offered by the asp.net Framework

LEVEL-1 UML DIAGRAMS FOR HOME PAGE.







DATA BASE AND TABLES

1. Data base for admin login and verifying user info

nysql> desc admin_	login;					
Field	Туре	Null	Кеу	Default	Extra	
personal_number Password name gender	varchar(30) varchar(10) varchar(30) varchar(30)	YES YES YES YES		NULL NULL NULL NULL		
tt						

Table for admin login and verifying user info

mysql> select*from admin_login;						
personal_number	Password	name	gender			
id ayush ayush ayush ayush ayush ayush xyz@gmail.com xyz@gmail.com xyz@gmail.com a@gmail.com a@gmail.com	password password @123 @123 @123 @pass @pass @1234 @1234 @12343	NULL NULL NULL NULL NULL NULL NULL NULL	NULL NULL NULL NULL NULL NULL NULL NULL			
ayushkumar.rv10@gmail.com ayushbhagat@gmail.com	pass bhagat	Ayush ayush bhagat	male male			

2. data base for trainee master form

ysql> desc trainee_master;						
Field	Туре	Null	Кеу	Default	Extra	
Reference_number name Discipline branch mobile_no email guide_pno guide_name project_title college_name	varchar(20) varchar(100) varchar(50) varchar(50) bigint varchar(100) bigint varchar(50) varchar(50) varchar(250)	NO YES	PRI	NULL NULL NULL NULL NULL NULL NULL NULL		

Table for trainee master form

3. database for feedback form.

nysql> desc feedback;						
Field	Туре	Null	Кеу	Default	Extra	
Reference_Number varchar(20) feed1 varchar(10) feed2 varchar(10) feed3 varchar(10) feed4 varchar(10) Remarks_suggestion varchar(250)		YES YES YES YES YES YES	MUL	NULL NULL NULL NULL NULL NULL		
rows in set (0.01 sec)						

mysql> select*from 1	eedback;	;		l	
Reference_Number	feed1	feed2	feed3	feed4	Remarks_suggestion
2022 2022 2022 2022 2022 2022	a good good good good good	b b good good good good	c c good good good good	d d good good good good	good good first feedback. first feedback. first feedback. ok.

4. database for orders

mysql> de	esc orders;	.	L	l	l	
Field	Туре	Null	Кеу	Default	Extra	
id item date	int varchar(20) varchar(20)	YES YES YES		NULL NULL NULL		
B rows in	3 rows in set (0.01 sec)					

5. database for user info

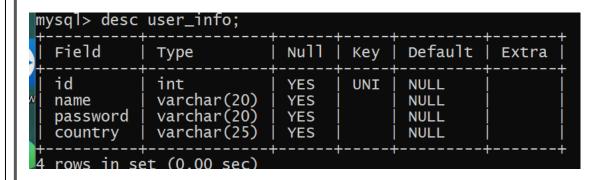


Table for user info.

mysql> :	mysql> select*from user_info;						
id	name	password	country				
101 103 104 102 105	ayush anar anar alka aman	@111 @156 NULL @123 @345	NULL NULL NULL NULL XYZ				

IMPLEMENTATION

This application is a web application based on a registration and feedback system consisting of 8 web forms which can be described as follows:

• Trainee and Admin Login page:

A login form through which user (either admin or student) can enter their username and password. If the user enters the wrong password or clicks on the wrong drop-down list, then the web form remains static.

About Page

This page consists of some information that users ad about the internship and SNTI in general.

Student Registration form (Admin Module):

This page is the registration page for admin, where new information for students can be filled in. The new information is Student ID, Full Name, Name of College, Branch, and CV number. After Filling in the information the admin will be able to, the admin would be able to see the student information in the DataGridtable.

Student Information Page (Student Module)

After entering the student information page, the students will be able to search for their information by entering their student ID in the search box. Students can also edit their data in case of any mistake in the

database, by clicking on the edit button, their button will be updated in the database.

Project Information (Same Both Modules):

This web form consists of two tables; 1. Which consists of the list of departments or branches and a view button; 2. Pressing on the view button, the information of the project, consisting of the Project title, department, guide name, contact number and email id, and the associated branch will be shown.

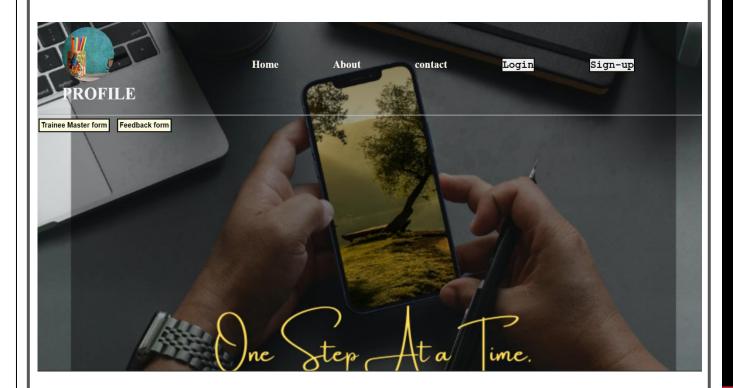
There is a total of 6 departments given, each consisting of sprojects with their guide details.

Feedback Page (Student Module)

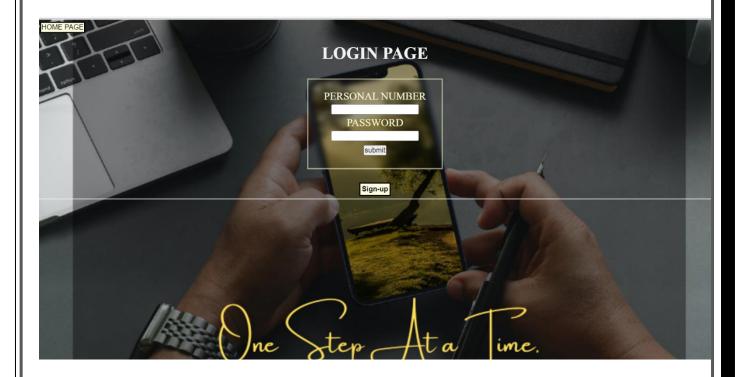
After reviewing their information, the students have been provide with a facility to fill in feedback or any sort of query related to the internship program on this particular web page.

SITE MAP

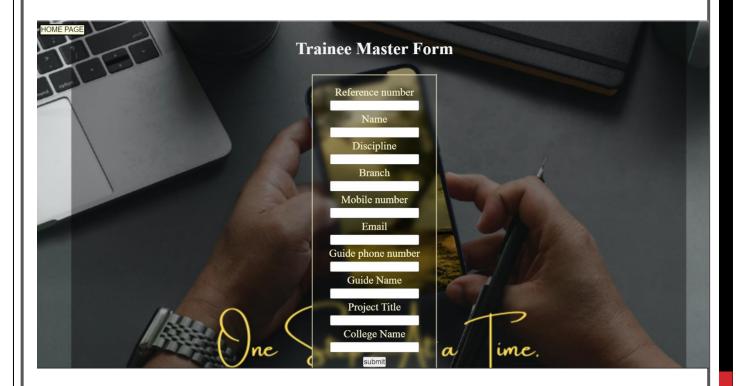
1. HOME PAGE WITH A NAVIGATION MENU TO ALL OTHER PAGES. EX LOGIN ,SIGN-UP TRAINEE MASTER FORM AND FEED BACK FORM.



2. WHEN YOU CLICK ON LOGIN BUTTON ON HOME PAGE THIS LOGIN FORM APPEARS.
YOU CAN WITE YOUR ID AND PASSWORD AND ALSO SIGN UP IF YOU ARE NEW TO THE SITE.



3. AFTER LOGIN IN YOU HAVE TO FILL YOUR TRAINEE MASTER FORM WITH ALL THE PROJECT DETAILS, PERSONAL DETAILS AND GUIDE DETAILS.



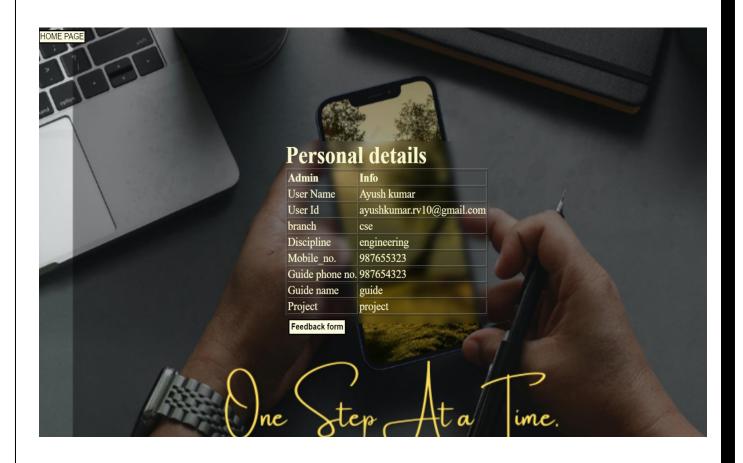
4. AFTER COMPLETING THE TRAINEE MASTER FORM YOU WILL BE GIVEN A FEEDBACK FORM. YOU CAN FILL IT AND CLICK SUBMIT USING YOUR REFERENCE NO. IT WILL SHOW RECORD INSERTED SUCCEFULLY AFTER THAT.



record inserted successfully

5. YOU CAN CLICK ON SIGN UP BUTTON TO SEE SIGN UP FORM .





6.AFTER ALL THE PROCESS IS SDUCCESFULL YOU CAN SEE YOUR PERAONAL DETAILS DISDPLAYED AS ABOVE.

CODE SNIPPETS

: PROFILE .HTML

```
(!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <link rel="stylesheet" href="http://localhost/project/TS/web/style.css">
   <script src="A:\TS\web\jquery\jquery-3.6.0.min.js"></script>
   <title>ayush kumar</title>
   <div class="full-page">
       <hr size="5" color="grey" shades>
div class="navbar">
   <div class="top">
       <img id="i1" src="http://localhost/project/TS/web/img/a1.jpg" alt="logo" width="100" height="100">
       <h1>PROFILE</h1>
          <h4><a href="#">Home</a></h4>
          <h4><a href="#">About</a></h4>
           <h4><a href="#">contact</a></h4>
           <a href="http://localhost/project/TS/web/login.HTML"><button id="b1" class="btn" style="width:auto;"><b><span>login</span> </b></button></a>
           <a href="http://localhost/project/TS/web/sign.HTML"><button id="b2" class="btn" style="width:auto;"><b><span></span> Sign-up</span> </b></button></a>
<hr size="5" shades>
<a href="http://localhost/project/TS/web/login.HTML"><button id="b3" class="btn" style="width:auto;"><b>Trainee Master form</b></button></a>
<a href="http://localhost/project/TS/web/Feedback.HTML"><button id="b3" class="btn" style="width:auto;"><b>Feedback form</b></button></a>
```

:LOGIN.HTML

```
<!DOCTYPE html>
<html lang="en">
            <meta charset="UTF-8">
           <meta name="viewport" content="width=device-width, initial-scale=1.0">
           <link rel="stylesheet" href="http://localhost/project/TS/web/style.css">
           <title>Login</title>
            <div class="full-page">
                           \label{local-host-project/TS/web/PROFILE.HTML"} $$ \operatorname{href}=\operatorname{http://local-host/project/TS/web/PROFILE.HTML"} $$ \operatorname{http://local-host/project/TS/web/PROFILE.HTML"} $$ \operatorname{http://local-host/proj
                           <H2>LOGIN PAGE</H2>
                           \label{login.php} $$ \form action="http://localhost/login.php" method="post"> $$
                                          <label for="pno">PERSONAL NUMBER</label><br>
                                          <input type="text" name="pno"><br>
                                          <label for="pass">PASSWORD</label><br>
                                          <input type="text" name="pass"><br>
                                          <input type="submit" value="submit"><br>
```

:LOGIN.PHP

```
session_start();
     $user = 'root';
     $password = 'A252119h#';
     $database = 'web';
     $servername='localhost:3306';
10
     $mysqli = new mysqli($servername, $user,
11
       $password, $database);
12
13
14
     $id=$_POST["pno"];
15
      $pwd=$_POST["pass"];
$_SESSION['id']=$id;
16
     $result = mysqli_query($mysqli,"select*from admin_login where personal_number='$id' and password='$pwd'" );
18
19
     if($result->num_rows>0)
20
21
     {echo "welcome";
       $result1 = mysqli_query($mysqli,"select*from trainee_master where email='$id'" );
22
       if($result1->num rows>0)
         // echo"informat Follow link (ctrl + click) y";
24
25
        header("location:http://localhost/dashboard.php");
26
27
28
29
         header("location:http://localhost/project/TS/web/f1.html");
32
33
34
35
         echo "envalid id or password";
37
```

:SIGN-UP.HTML

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <link rel="stylesheet" href="http://localhost/project/TS/web/style.css">
   <title>Document</title>
   <div class="full-page">
       <a href="http://localhost/project/TS/web/PROFILE.HTML"><button class="btn" id="b4" >HOME PAGE</button></a>
       <div class="signup" >
            <H2>Sign-up PAGE</H2>
           <form action="http://localhost/signup.php" method="post">
               <label for="fname">FULL NAME</label><br>
               <input type="text" name="fname" placeholder="your name"><br>
               <label for="mail">EMAIL ID</label><br>
               <input type="email" name="mail" value="@gmail.com"><br>
              <label for="password">PASSWORD</label><br>
               <input type="password" name="pass" placeholder="password"><br>
              <label for="male" style="font-size: 15px; ">MALE</label><br>
              <input type="radio" name="option" value="male" ><br>
               <label for="female"style="font-size: 15px; ">FEMALE</label><br>
               <input type="radio" name="option" value="female" ><br>
                <label for="other"style="font-size: 15px; ">OTHER</label><br>
               <input type="radio" name="option" value="other" ><br>
<input type="submit" value="submit">
           </form>
```

:SIGN-UP.PHP

```
$user = 'root';
$password = 'A252119h#';
// Database name is geeksforgeeks
$database = 'web';
// port number 3306
$servername='localhost:3306';
$mysqli = new mysqli($servername, $user,
       $password, $database);
// Checking for connections
// if ($mysqli){
$id=$_POST["mail"];
$pwd=$_POST["pass"];
$nm=$_POST["fname"];
 if (!empty($_POST["option"]))
   $gd=$_POST["option"];
$result = mysqli_query($mysqli,"insert into admin_login values('$id','$pwd','$nm','$gd')");
echo "record inserted successfully";
```

:F1.HTML (TRAINEE MASDTWER FORM)

```
<!DOCTYPE html>
<html lang="en">
    <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <link rel="stylesheet" href="http://localhost/project/TS/web/style.css">
   <title>FORM 1</title>
   <div class="full-page">
    <div class="form1">
        <a href="http://localhost/project/TS/web/PROFILE.HTML"><button class="btn" id="b4" >HOME PAGE</button></a>
            <h1 style="margin-top: 32px;">Trainee Master Form</h1>
            <form action="http://localhost/traineemaster.php" method="post">
       <label for="refno">Reference number</label><br>>
       <input type="text" name="refno" ><br>
       <label for="fname">Name</label><br>
       <input type="text" name="fname" ><br>
       <label for="discipline">Discipline</label><br>
       <input type="text" name="discipline" ><br>
       <label for="branch">Branch</label><br>
       <input type="text" name="branch" ><br>
       <label for="pno">Mobile number</label><br>
       <input type="number" name="mobileno" ><br>
       <label for="mail">Email</label><br>
       <input type="email" name="mail" ><br>
       <label for="gno">Guide phone number</label><br>
       <input type="number" name="gno" ><br>
       <label for="gname">Guide Name</label><br>
       <input type="text" name="gname" ><br>
       <label for="title">Project Title</label><br>
       <input type="text" name="title" ><br>
       <label for="college">College Name</label><br>
       <input type="text" name="college" ><br>
       <input type="submit" value="submit">
    </form>
```

:TRAINEEMASTER.PHP

```
session_start();
$user = 'root';
$password = 'A252119h#';
// Database name is geeksforgeeks
$database = 'web';
// Server is localhost with
$servername='localhost:3306';
$mysqli = new mysqli($servername, $user,
                $password, $database);
$rn=$_POST["refno"];
$nm=$_POST["fname"];
$d=$_POST["discipline"];
$b=$_POST["branch"];
 $mn=$_POST["mobileno"];
 $id=$_POST["mail"];
$gno=$_POST["gno"];
$gna=$_POST["gname"];
$t=$_POST["title"];
$cn=$_POST["college"];
$result = mysqli_query($mysqli,"insert into trainee_master values('$id','$nm','$d','$b','$mn','$id','$gno','$gna','$t','$cn')");
echo "record inserted successfully";
```

: FEEDBACK.HTML

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <link rel="stylesheet" href="http://localhost/project/TS/web/style.css">
   <title>feedback</title>
   <div class="full-page">
       <a href="http://localhost/project/TS/web/PROFILE.HTML"><button class="btn" id="b4" >HOME PAGE</button></a>
       <div class="feedback" id="form">
            <H2>Feedback Form</H2>
           <form action="http://localhost/feedback.php" method="post">
               <label for="refno">Reference Number</label><br>>
               <input type="text" name="refno" placeholder="Reference Number"><br>
               <label for="feed1">1) Question 1</label><br>
                  <label for="good" style="font-size: 15px; ">GOOD</label>
                      <input type="radio" name="opt1" value="good"><br>
                  <label for="average"style="font-size: 15px; ">AVERAGE</label>
                      <input type="radio" name="opt1" value="average"><br>
                  <label for="not good"style="font-size: 15px; ">NOT GOOD</label>
                      <input type="radio" name="opt1" value="not good" ><br>>
               <label for="feed1">1) Question 2</label><br>
                  <label for="good" style="font-size: 15px; ">GOOD</label>
                      <input type="radio" name="opt2" value="good" ><br>
                  <label for="average"style="font-size: 15px; ">AVERAGE</label>
```

```
<label for="average"style="font-size: 15px; ">AVERAGE</label>
33
                             <input type="radio" name="opt2" value="average" ><br>
34
                         <label for="not good"style="font-size: 15px; ">NOT GOOD</label>
35
                             <input type="radio" name="opt2" value="not good" ><br>
36
37
38
                     <label for="feed1">1) Question 3</label><br>
39
                         <label for="good" style="font-size: 15px; ">GOOD</label>
40
41
                             <input type="radio" name="opt3" value="good" ><br>
42
                         <label for="average"style="font-size: 15px; ">AVERAGE</label>
43
                             <input type="radio" name="opt3" value="average" ><br>
44
                         <label for="not good"style="font-size: 15px; ">NOT GOOD</label>
45
                            <input type="radio" name="opt3" value="not good" ><br>
46
47
48
                     <label for="feed1">1) Question 4</label><br>
49
50
                         <label for="good" style="font-size: 15px; ">GOOD</label>
51
                             <input type="radio" name="opt4" value="good" ><br>
52
                         <label for="average"style="font-size: 15px; ">AVERAGE</label>
53
                             <input type="radio" name="opt4" value="average" ><br>
54
                        <label for="not good"style="font-size: 15px; ">NOT GOOD</label>
55
                             <input type="radio" name="opt4" value="not good" ><br>
56
57
58
                     <br><br><br>></pr>
59
                     <label for="remarks">REMARKS OR ANY SUGGESTION</label><br/>br>
                        <label for="remarks">REMARKS OR ANY SUGGESTION</label><br</pre>
                        <textarea placeholder="write here" rows="5" cols="20" name="re"> </textarea> <br>
                        <input type="submit" value="submit">
```

```
:FEEDBACK.PHP
```

```
<h1>
<?php
session_start();
$user = 'root';
$password = 'A252119h#';
// Database name is geeksforgeeks
$database = 'web';
// port number 3306
$servername='localhost:3306';
$mysqli = new mysqli($servername, $user,
      $password, $database);
// Checking for connections
// if ($mysqli){
$ref=$_POST["refno"];
  $t =$_SESSION['id']
  if(!empty($_POST["opt1"]))
   $o1=$_POST["opt1"];
  if(!empty($_POST["opt2"]))
   $o2=$_POST["opt2"];
  if(!empty($_POST["opt3"]))
```

:DASHBOARD.PHP

```
<!DOCTYPE html>
    <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="http://localhost/project/TS/web/style.css">
</head>
<?php
session_start();
$user = 'root';
$password = 'A252119h#';
// Database name is geeksforgeeks
$database = 'web';
// port number 3306
$servername='localhost:3306';
$mysqli = new mysqli($servername, $user,
                $password, $database);
// Checking for connections
// if ($mysqli){
$ei=$_SESSION['id'];
<?php
// sql query to fetch all the data
```

```
$result = mysqli_query($mysqli,"SELECT * FROM trainee_master where email='$ei'" );

$i=0;

while($DB_ROW = mysqli_fetch_array($result)) {

?>

$cbody>

div class="full-page">

div class="full-page">

div class="full-page">

div class="full-page">

div class="display">

div class="display">

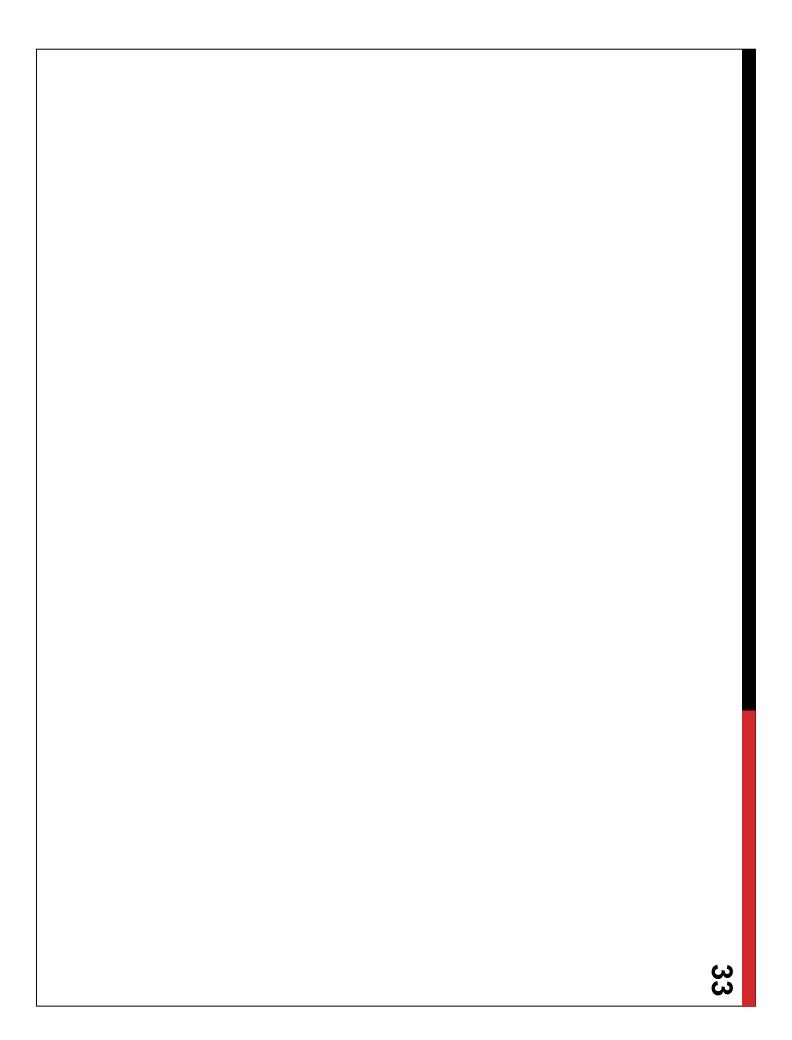
div class="display">

chi dead class="display">

chead class="thead-dark">

chead class="thead-dark">
```

```
  <a href="http://localhost/project/TS/web/Feedback.HTML"> <button id="b3" class="btn" style="text-align:center;"> <b>Feedback for </div>
  </div>
  </body>
  <?php
$i++;
}
?>
</html>
```



SUMMARY

This project has provided me with an excellent opportunity to study because it his taught me a lot about database management, application architecture, database concepts, and web development framework. Throughout the course of this project, I have encountered challenges and found a variety of solutions, which have given me new perspectives on the subjects described above.

This training helped me to improve various aspects of a students and a professionals life which are:

- Time management: how much of a wrok done everyday nts as progres
- Improve Self-learning: Through practical implementation anything, an individual can learn anything faster and more efficiently.
- Improve my debugging skills
- Understand a practical approach to database designing and implementation of SQL statements in a real world problem.

My theoretical understanding of database management was put into practise, and I was able to apply it in the actual world. This project taught me the value of selflearning, problem-solving, debugging, and identifying the best practises to reduce the amount of server-side coding required. Additionally, working on this project gave me invaluable experience and understanding of the industry's operations, both of which were very helpful. It, in my opinion, played a crucial role in the advancement of my profession as a software engineer.

REFERENCES:

Below are the links of the websites and resources that were used to complete this project:

- <u>C# Corner Community of Software and Data</u>

 <u>Developers (csharpcorner.com)</u>
 - https://stackoverflow.com/
 - https://docs.microsoft.com/en-us/dotnet/
- https://dev.mysql.com/doc/connector-net/en/
- Various youtube resources and videos depending need.

THANKYOU