VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", BELAGAVI – 590018

A MINI PROJECT REPORT

ON

"RURAL CHILD MANAGEMENT SYSTEM"

Submitted in partial fulfillment of requirements for the *course* **DBMS Laboratory with Mini Project [18CSL58]** *of Fifth Semester of Bachelor of Engineering in Computer Science & Engineering during the academic year 2021-22.*

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CERTIFICATE

This is to certify that the mini project work entitled **"RURAL CHILD MANAGEMENT SYSTEM"** is a bonafide work carried out by **Deeksha S [4MH19CS024]** and **Parvathi B C [4MH19CS068]** in partial fulfillment for the **DBMS Laboratory with Mini Project (18CSL58)** prescribed by the Visvesvaraya Technological University, Belagavi during the year 2021-2022 for the fifth semester B.E in Computer Science and Engineering. The mini project report has been approved as it satisfies the academic requirements.

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MIT Mysore	MIT Mysore

Name of the Examiners	Signature with date
1.....	….....
2.....	….....

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ABSTRACT

The overall aim of Rural Child Management System is to automate the existing manual system by the help of computerized equipment and fully-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

The required software and hardware are easily available and easy to work with. Rural Child Management System, as described above, can lead to error free, secure, reliable & fast management system. Thus it will help organization in better utilization of resources.

The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

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Chapter 01

INTRODUCTION

1.1 Aim of the Project

The main aim of project is to improve the nutritional and health status of children in the age group 0-6 years and to lay the foundation for proper psychological, physical and social development of the child.

1.2 Overview of the Project

The main scheme is targeted at children upto the age of 6 years, pregnant and lactating mothers and women 16- 44 years of age to improve the health, nutrition, education, proper physiological, physical and social development of the child.

1.3 Outcome of the Project

This program is mainly concentrated about the children and pregnant women to care about their and also this program has give the priority placed on food supplementation, targeting mostly children after the age of three when malnutrition has already set in.

1.4 Software Requirements

- Operating System – Windows 7/8/10/11
- Front End – HTML, CSS, PHP
- Back End – mySQL
- Tools – Xampp Server

Chapter 02

DESIGN

2.1 Schema Diagram

Users

id	user_name	password	name

Contact

name	email

Attendance

st_id	name	age	status

n_reg

name	age	f_name	m_name	address

p_reg

aadhar	phone	lmp	edd	m_card	reg_date

reviews

prons	cons	review	rating

Fig 2.1 Schema Diagram

2.2 E-R Diagram

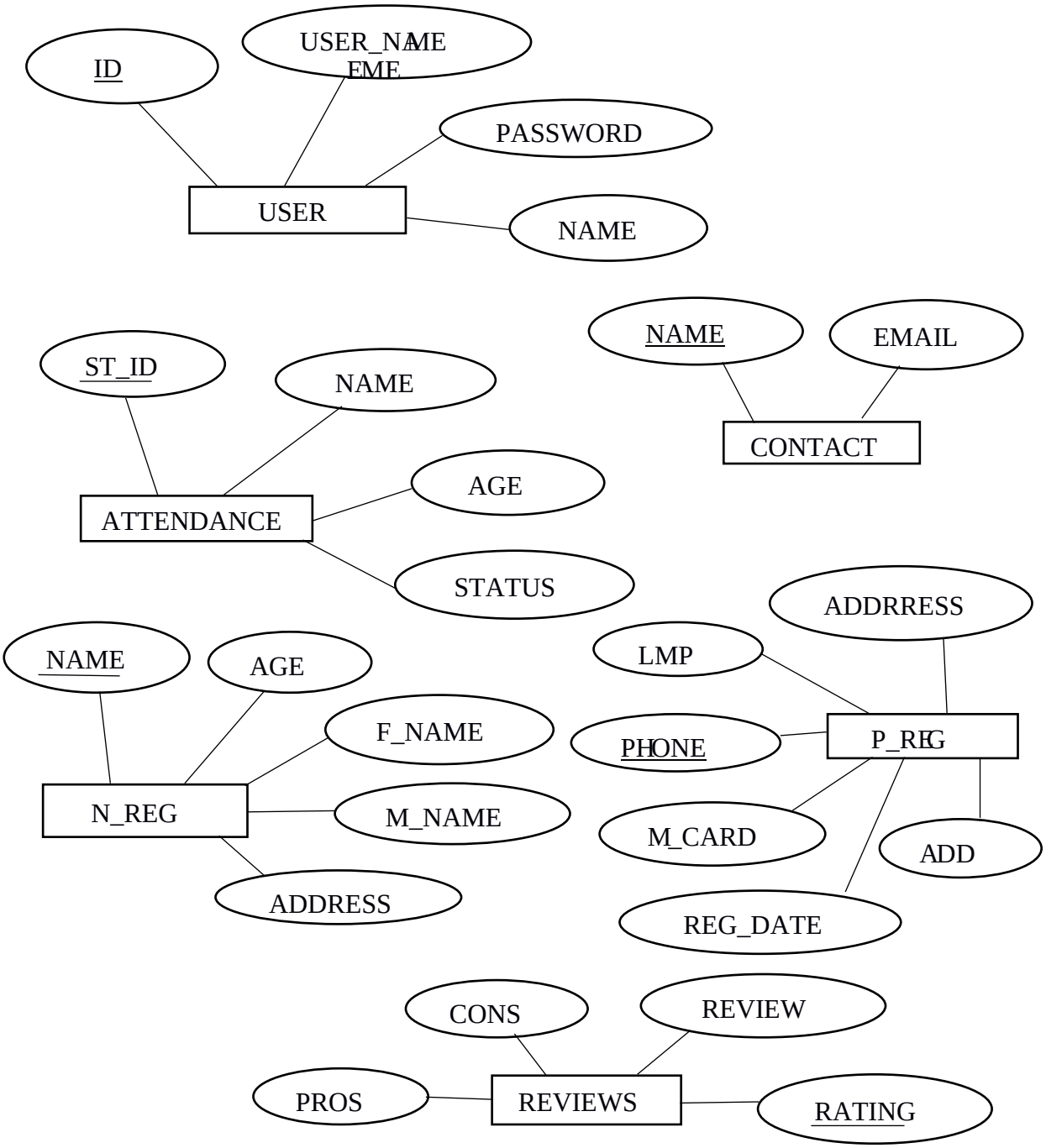

Fig 2.2 ER Diagram

2.3 Use Case Diagram

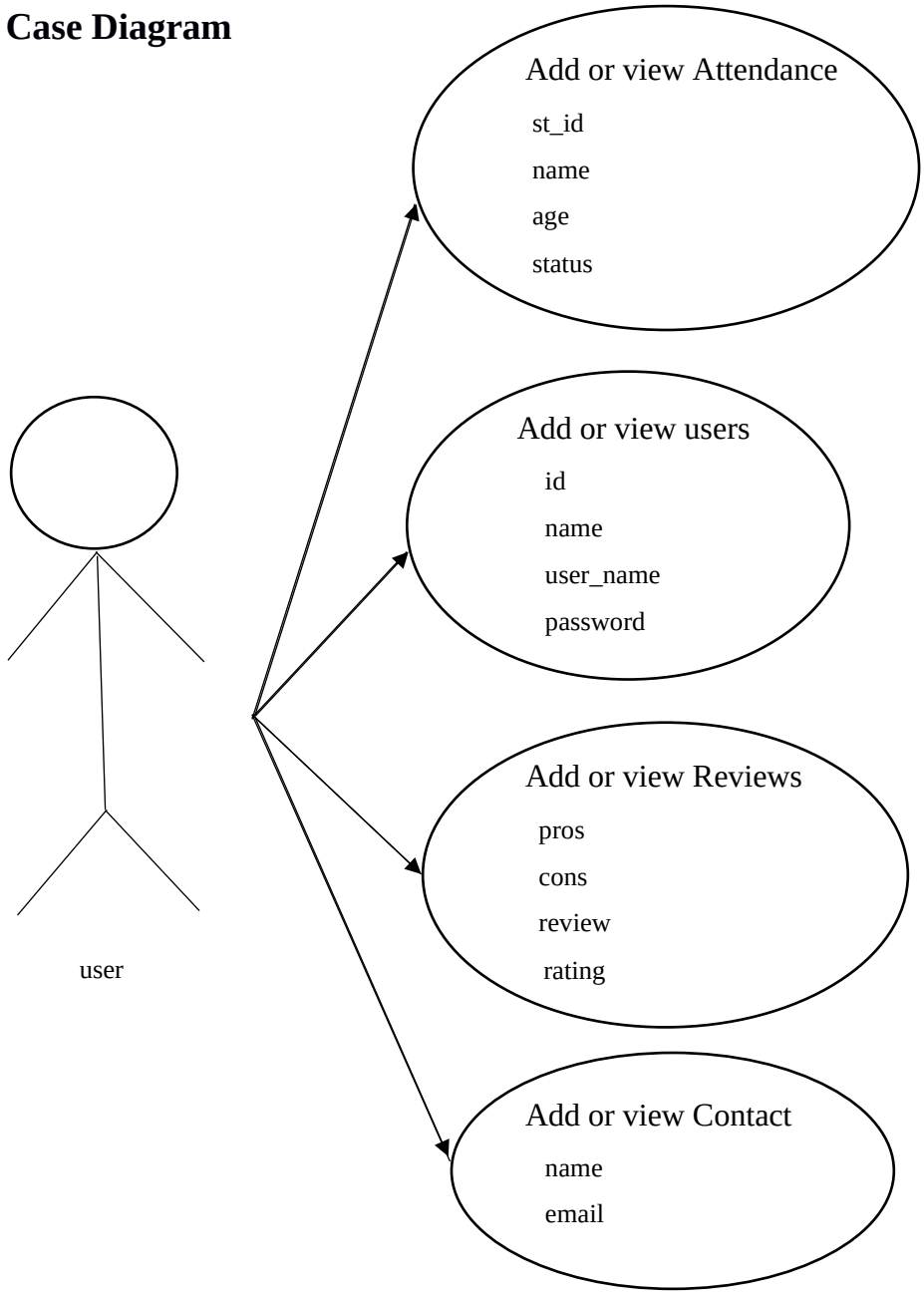

Fig 2.3 Use Case Diagram

2.4 Data Flow Diagram

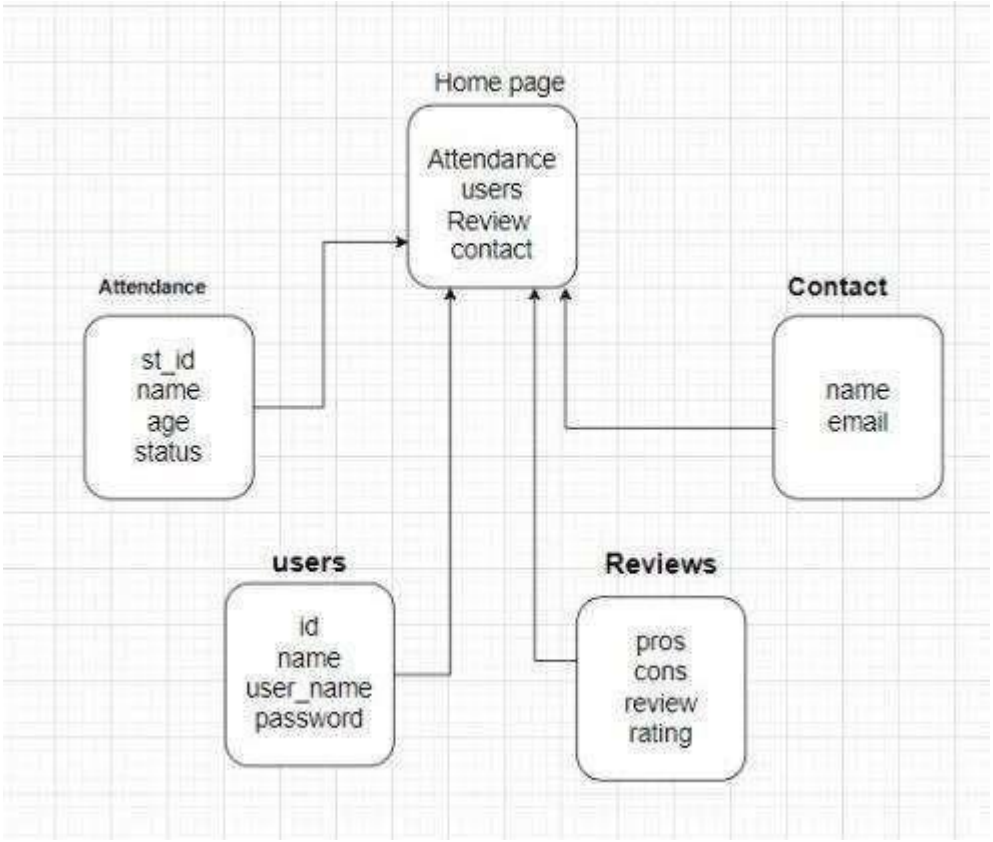

Fig 2.4 Data Flow Diagram

2.5 Sequence Diagram

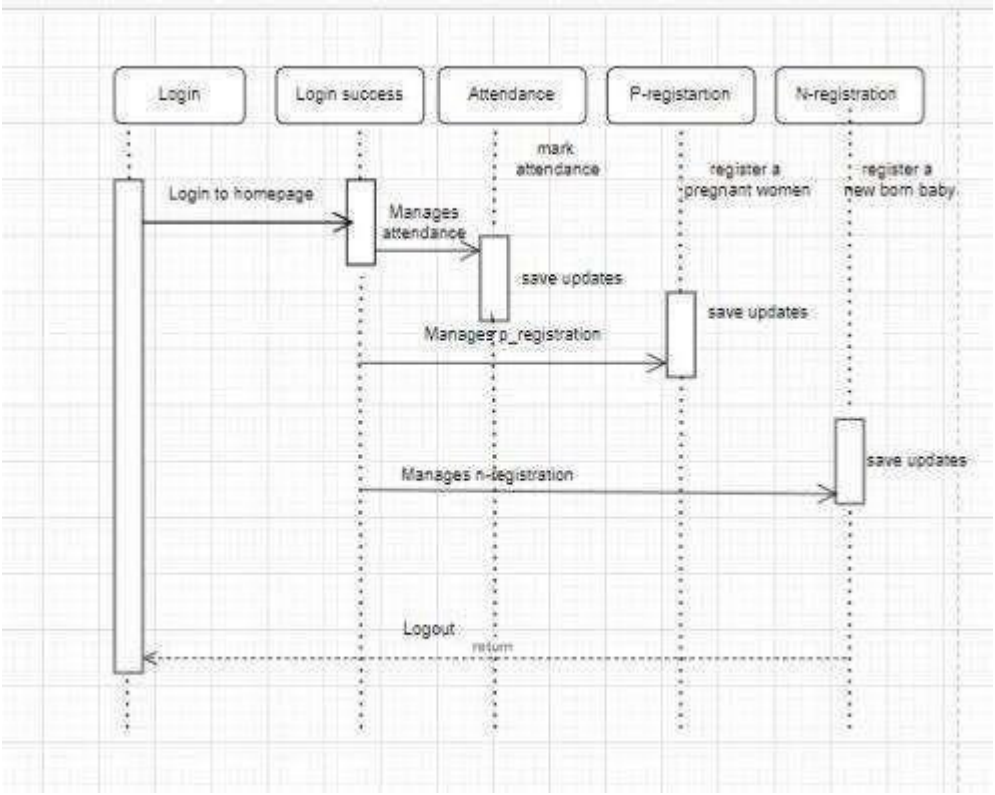

Fig 2.5 Sequence Diagram

Chapter 3

IMPLEMENTATION

5.1 Description of Tables

3.1.1 users

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
user_name	varchar(255)	NO		NULL	
password	varchar(255)	NO		NULL	
name	varchar(255)	NO		NULL	

Fig 3.1 users

3.1.2 contact

Field	Type	Null	Key	Default	Extra
name	varchar(255)	NO		NULL	
email	varchar(255)	NO		NULL	

Fig 3.2 contact

3.1.3 reviews

Field	Type	Null	Key	Default	Extra
pros	varchar(255)	NO		NULL	
cons	varchar(255)	NO		NULL	
review	varchar(255)	NO		NULL	
rating	int(5)	NO		NULL	

Fig 3.3 reviews

3.1.4 p_reg

Field	Type	Null	Key	Default	Extra
aadhar	bigint(20)	NO		NULL	
phone	bigint(20)	NO		NULL	
lmp	date	NO		NULL	
edd	date	NO		NULL	
m_card	bigint(20)	NO		NULL	
reg_date	date	NO		NULL	

Fig 3.4 p_reg

3.1.5 n_reg

Field	Type	Null	Key	Default	Extra
name	varchar(255)	NO		NULL	
age	int(20)	NO		NULL	
f_name	varchar(255)	NO		NULL	
m_name	varchar(255)	NO		NULL	
address	varchar(255)	NO		NULL	

Fig 3.5 n_reg

3.1.6 attendance

Field	Type	Null	Key	Default	Extra
st_id	int(5)	NO	PRI	NULL	
name	varchar(255)	NO		NULL	
age	int(5)	NO		NULL	
status	varchar(10)	NO		NULL	

Fig 3.6 attendance

5.2 Constraints on Tables

- In table users , id is a primary key.
- In table contact , name is a primary key. • In table review , rating is a primary key.
- In table p_reg , pno is a primary key.
- In table n_reg , name is a primary key.
- In table attendance , st_id is a primary key.

5.3 Back End Implementations

```
CREATE TABLE `users` (
  `id` int(11) NOT NULL,
  `user_name` varchar(255) NOT NULL,
  `password` varchar(255) NOT NULL,
`name` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `users`
--
INSERT INTO `users` (`id`, `user_name`, `password`, `name`)
VALUES (1, 'elias', '202cb962ac59075b964b07152d234b70',
'elias');

--
ALTER TABLE `users`
  ADD PRIMARY KEY (`id`);
--
ALTER TABLE `users`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=1;
COMMIT;

-- Table structure for table `contact`

CREATE TABLE `contact` (
  `name` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL
)ENGINE=InnoDB DEFAULT CHARSET=latin1;

INSERT INTO `contact` ( `name`, `email`) VALUES
('ela', 'something@gmail.com');

ALTER TABLE `contact`
```

```
  ADD PRIMARY KEY (`name`);

-- Table structure for table `reviews`

  CREATE TABLE `reviews` (
  `pros` varchar(255) NOT NULL,
  `cons` varchar(255) NOT NULL,
  `review` varchar(255) NOT NULL,
  `rating` int(5) NOT NULL
)ENGINE=InnoDB DEFAULT CHARSET=latin1;

INSERT INTO `review` ( `pros`, `cons`, `review`, `rating`)
VALUES ('effecient', 'responsless','good product', 5);
ALTER TABLE `review`
ADD PRIMARY KEY (`rating`);

-- Table structure for table `p_reg`

  CREATE TABLE `p_reg` (
  `aadhar` bigint(20) NOT NULL,
  `phone` bigint(20) NOT NULL,
  `lmp` date  NOT NULL,
  `edd` date  NOT NULL,
  `m_card` bigint(20) NOT NULL,
  `reg_date` date NOT NULL
)ENGINE=InnoDB DEFAULT CHARSET=latin1;

INSERT INTO `p_reg` ( `aadhar`, `phone`, `lmp`, `edd`, `m_card`, `reg_date`)
VALUES ('$aadhar','$phone','$lmp','$edd','$m_card','$reg_date');

ALTER TABLE `p_reg`
ADD PRIMARY KEY (`phone`);

-- Table structure for table `n_reg`

  CREATE TABLE `n_reg` (
  `name` varchar(255) NOT NULL,
  `age` int(20) NOT NULL,
  `f_name` varchar(255) NOT NULL,
  `m_name` varchar(255 NOT NULL,
  `address` varchar(255 NOT NULL
)ENGINE=InnoDB DEFAULT CHARSET=latin1;

INSERT INTO `n_reg` ( `name`, `age`, `f_name`, `m_name`,`address`)
```

```
VALUES
('abhi','2','prakash','lella','hunsur');

ALTER TABLE `n_reg`
ADD PRIMARY KEY (`name`);
--
-- Table structure for table `attendance`

  CREATE TABLE `attendance` (
  `st_id` int(5) NOT NULL,
  `name` varchar(255) NOT NULL,
  `age` int(5) NOT NULL,
  `status` VARCHAR(10) NOT NULL
)ENGINE=InnoDB DEFAULT CHARSET=latin1;
INSERT INTO `attendance` ( `st_id`, `name`, `age`, `status`) VALUES
('1', 'ali',' 2', A);

ALTER TABLE `attendance`
ADD PRIMARY KEY (`st_id`);
```

5.4 Front End Implementations

3.4.1 Index page

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Rural Child Management System</title>
    <link rel="icon" href="../Assets/LOGO_ICDS.png"> <link
    rel="stylesheet" href="../CSS/index.css">

</head>
<body>
    <h1>Ministry of Women and Child Development</h1>
    <h2>Government of India</h2>
    <div class="socials">
        <a href="#" target="_blank"
          ><img
            src="../Assets/Twitter.png"
            alt="Twitter"
            loading="lazy"
            class="socicon"
            style="height: 40px; padding:1px;"
```

```
/></a>
<a href="#" target="_blank"
  ><img
    src="../Assets/Instagram.png"
    alt="Instagram"
    loading="lazy"
    class="socicon"
    style="height: 40px;padding:1px"
/></a>
<a href="#" target="_blank"
  ><img
    src="../Assets/linkedin.png"
    alt="Linkedin"
    loading="lazy"
    class="socicon"
    style="height: 40px; padding:1px"
/></a>
<a href="#" target="_blank"
  ><img src="../Assets/GitHub1.png" alt="Github" class="socicon"
  style="height: 40px; padding:1px"
/></a>
</div>

<br>
<div >
   <span >
    <video src="../Assets/project_vedio.mp4" muted loop autoplay id="video"
style="opacity: 0.8">
    <span id="span"> </span>
    </video>
    <h1 id="v_h1">Welcome</h1>
    <h2 id="v_h2">Your Journey Begins</h2>
    <a href="../Login-Signup/signup.php">
       <button id="button_1">
      Sign Up
      </button>
    </a>
   <a href="../Login-Signup/login.php"> <button
       id="button_2">
        Login
     </button>
    </a>

    </span>
```

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

3.4.2 Users

```
<?phpsession_start(); include
"../Database/db_conn.php";

if (isset($_POST['uname']) &&isset($_POST['password']) && isset($_POST['name'])
&&isset($_POST['re_password'])) {

        function validate($data){
      $data = trim($data);
          $data =
stripslashes($data);
$data =
htmlspecialchars($data);
          return $data;
        }
        $uname = validate($_POST['uname']);
        $pass = validate($_POST['password']);

        $re_pass = validate($_POST['re_password']);
        $name = validate($_POST['name']);

        $user_data = 'uname='. $uname. '&name='. $name;


 if (empty($uname)) { header("Location: signup.php?error=User  Name is
required&$user_data"); exit(); }else if(empty($pass)){ header("Location:
signup.php?error=Password is required&$user_data"); exit(); } else
if(empty($re_pass)){
      header("Location: signup.php?error=Re Password is
required&$user_data");      exit();
        }

        else if(empty($name)){        header("Location:
signup.php?error=Name is required&$user_data");
exit();
        }

        else if($pass !== $re_pass){        header("Location:
signup.php?error=The confirmation password does not
match&$user_data");        exit();
        }
```

```
        else{

                // hashing the password
      $pass = md5($pass);

           $sql = "SELECT * FROM users WHERE user_name='$uname' ";
                $result = mysqli_query($conn, $sql);

                if (mysqli_num_rows($result) > 0) {
  header("Location: signup.php?error=The username is taken try
another&$user_data");            exit();
                }else {
        $sql2 = "INSERT INTO users(user_name, password, name)
VALUES('$uname', '$pass', '$name')";
        $result2 = mysqli_query($conn,
$sql2);  if ($result2) { header("Location: ../Home/home.php?success=Your
          account has been
created
successfully");
               exit();
        }else {
                        header("Location: ../Home/home.php?error=unknown
error occurred&$user_data");                        exit();
        }
                }
        }


}else{
        header("Location: index.php");
        exit();
}
```

3.4.3 Contact

```
<?php
$conn = mysqli_connect("localhost","root","","test_db");

if($conn ===false)
{ die("ERROR: could not connect.".mysqli_connect_error());
```

```
}
$name = $_REQUEST['name'];
$email = $_REQUEST['email'];

$sql = "INSERT INTO contact(name,email) VALUES ('$name', '$email')";

if(mysqli_query($conn,$sql))
{ header("Location:../Home/home.php");
  exit();
}
else


 { echo "ERROR: SORRY
$sql".mysqli_error($conn);
}

mysqli_close($conn);
?>
```

3.4.4 Review

```
<?php
$conn = mysqli_connect("localhost","root","","test_db");

if($conn ===false)
 { die("ERROR: could not
connect.".mysqli_connect_error()); }

$pros = $_REQUEST['pros'];
$cons = $_REQUEST['cons'];
$review = $_REQUEST['review'];
$rating = $_REQUEST['rating'];


$sql = "INSERT INTO reviews(`pros`,`cons`,`review`,`rating`) VALUES
('$pros', '$cons', '$review', '$rating')";

if(mysqli_query($conn, $sql))
{ header("Location:
../Home/home.php");        exit();

}

else


{ echo "ERROR: SORRY $sql".mysqli_error($conn);
```

```
}

mysqli_close($conn);

?>
```

3.4.5 p_reg

```
<?php
$conn = mysqli_connect("localhost","root","","test_db");

if($conn ===false)
 { die("ERROR: could not
connect.".mysqli_connect_error()); }
$aadhar = $_REQUEST['aadhar'];
$phone = $_REQUEST['phone'];
$lmp = $_REQUEST['lmp'];
$edd = $_REQUEST['edd'];
$m_card = $_REQUEST['m_card'];
$reg_date = $_REQUEST['reg_date'];

$sql = " INSERT INTO `p_reg` ( `aadhar`, `phone`, `lmp`, `edd`, `m_card`,
`reg_date`) VALUES ('$aadhar','$phone','$lmp','$edd','$m_card','$reg_date')";


if( mysqli_query($conn, $sql))
{ header("Location:
../Home/home.php");        exit();

}

else


{ echo "ERROR: SORRY $sql".mysqli_error($conn);
}


mysqli_close($conn);

?>
```

3.4.6 n_reg

```
<?php
$conn = mysqli_connect("localhost","root","","test_db");

if($conn ===false)
{ die("ERROR: could not connect.".mysqli_connect_error());
}
$name = $_REQUEST['name'];
$age = $_REQUEST['age'];
$f_name = $_REQUEST['f_name'];
$m_name = $_REQUEST['m_name'];
$address = $_REQUEST['address'];
$sql = " INSERT INTO `n_reg` ( `name`, `age`, `f_name`, `m_name`,
`address`) VALUES ('$name','$age','$f_name','$m_name','$address')";

if( mysqli_query($conn, $sql))
{ header("Location:
../Home/home.php");        exit();

}

else


{ echo "ERROR: SORRY $sql".mysqli_error($conn);
}


mysqli_close($conn);

?>
```

3.4.7 Attendance

```
<?php
$conn = mysqli_connect("localhost","root","","test_db");

if($conn ===false)
 { die("ERROR: could not
connect.".mysqli_connect_error());
}
$st_id = $_REQUEST['st_id'];
 $name = $_REQUEST['name'];
$age = $_REQUEST['age'];
$status = $_REQUEST['status'];
```

```
 $sql = " INSERT INTO `attendance` ( `st_id`, `name`, `age`, `status`)
VALUES ('$st_id','$name','$age','$status')";


if( mysqli_query($conn, $sql))
{ header("Location:
../Home/home.php");         exit();

}
else


{ echo "ERROR: SORRY $sql".mysqli_error($conn);
}


mysqli_close($conn);

?>
```

Chapter 04

RESULT ANALYSIS

4.1 Snapshots

Fig 4.1 Index Page

Fig 4.2 Sign up Page

Fig 4.3 Login Page

Fig 4.4 Home Page

Fig 4.5 About Page

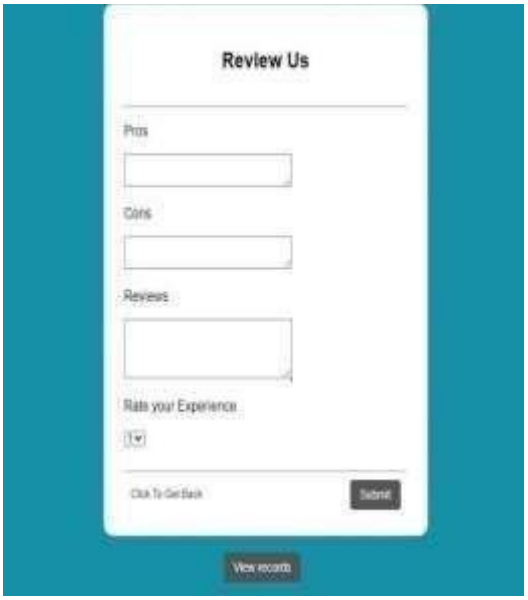

Fig 4.6 Review Page

Fig 4.7 Pregnant Women Registration Page

Fig 4.8 New born baby Reistration Page

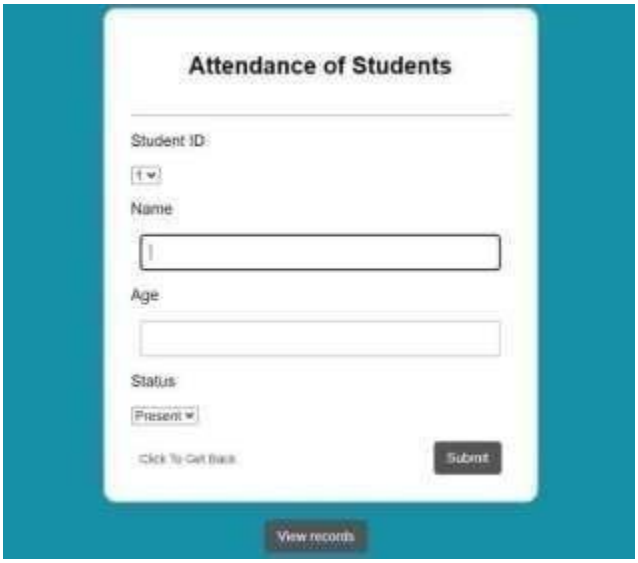

Fig 4.9 Attendance Page

4.2 Discussion

- Index Page

Here users can either Sign up if the user is new to the Website or Login if the user already exist.

Can also check our community on social medias like Twitter, Linked in, Github and also on Instagram.

Fig 4.1 Index Page

- Home Page

Here users can access many domains, like Attendance, Registrations, Contact us, Reviews, About us etc

Fig 4.4 Home Page

- Attendance Page

Here attendance of students can be marked by a teacher and can also view records.

Fig 4.9 Attendance Page

- Registration Page

Here user's registration can be done. One is for Pregnant Women and other is for New born baby within 6 months to 3 years.

Fig 4.2 Sign up Page

- Contact Page

Here users can contact the owner by entering their name and email addresses.

- Review Page

Here users can review the website , and also share their opinions and tell us the pros and cons of the webpage

Fig 4.6 Review Page

 About Page

Here users can check about the Website for any queries.

Fig 4.5 About Page

4.3 Test Case

Test Case ID	Action	Expected Output	Actual Output	Status
TC1	Login with wrong User name and wrong password	Invalid username or password	As expected	Pass
TC2	Sign up with correct password and wromg conformation password	The confirmation password does not match	As expected	Pass
TC3	If the user enters the username and password in Sign up form which is already exists	User name And password already exists	As expected	Pass
TC4	If the user enters the new username and password crendentials in login form	Invalid username or password	As expected	Pass
TC5	If the wants to see the records and if there exists some data	List of records will be displayed	As expected	Pass

TC6	If the user wants to see the records and if it is empty	0 records	As expected	Pass
TC7	If the users gives the coreect input in any module ,which directs to next page and redirects back to same page	It directs and redirects to the respective pages with respect to the user inputs	As expected	Pass

Table 4.1 Test Cases

Chapter 05

CONCLUSION AND FUTURE WORK

5.1 Conclusion

The main target of this management system is to success and easy way to run a Anganavadi in rural areas. The pros of the system we can consider here, can maintain the databases of the Rural children's
We can insert details to the databases, view records inserted.

5.2 Future Enhancement

For the future enhancement, this system will increase the efficiency of their business as well. There will be a scope for Anganavadi teachers, also to maintain their database from home and which will make the work easy and reliable.

Chapter 06

REFERENCES

HTML reference - https://www.w3schools.com/html/
CSS Reference - https://www.w3schools.com/css/
PHP Reference - https://www.w3schools.com/php/