BUNDELKHAND INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Information Technology

SESSION 2015‑2016

report

On

ALUMNI ‑HALL

Submitted by: **Under Supervision of:**

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BUNDELKHAND INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Information Technology

Certificate

Certified That This Is A Bonafide Record Of The Project Entitled **"ALUMNI-HALL"** Completed Successfully By **ABHAY AGARWAL (1404313003) , ADESH KUMAR SINGH (1404313006) AND KAMLESH KUMAR (1404313019)** Of 4th Semester, Information Technology, Under The Guidance Respected Faculties In The Partial Fulfilment Of The Requirements To The Award Of Degree Of Bachelor Of Technology In Information Technology From BUNDELKHAND INSTITUTE OF ENGINEERING AND TECHNOLOGY during the acedemic year 2015-2016.

Verified byGuide   **Verified byCo-Guide**

………………………..   ………………………….

Er. Umakant Sir   **Er. Roshan Sir**

(Department of Information Technology)   **(Department of Information Technology)**

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ACKNOWLEDGEMENT

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1. <u>INTRODUCTION</u>

1.1 Purpose

1. The TECHZION'16 is a web based application that allows students to do the back-stage works like information distribution, registration, etc.

2. It is a website that is developed for both participants and coordinators/administrators/organisors. Participants can register whereas administrators can manage the fest.

3. Not in college. You can access it anywhere anytime. Students do not need to present in the college campus to access the site. They can even access it from their home.

4. This site cuts off the headache of documentation. Since, every registration will be done online which will minimize the paperwork.

5. This site makes information easily available to all. Each and every information from small to large will be available online and students can know everything about a particular event to be conducted. Also, it minimize the misconception and rumours regarding any event or any other information.

1.2 Scope

Today everybody wants more and more benefits from every source that is beneficial to them. Our website is indirectly beneficial to college. It provide the platform to increase the standard fo a college and it shows the technical advancement of a college. The techfest site of a college increase the prestige of a college. Since, it is designed by the students itself, so it shows that how much qualified, technical, innovative the students of the college are. Indirectly, it shows the level of the college.

This project includes features like login portal, updates block, registration option, links to various social media pages of Techzion. The students will be much benefitted from this site. Also, it will reduce the huge headache from the organizers about how to distribute infomation and how to handle a number of registration applications.

1.3 Definition, Acronyms & Abbreviations:

- **HTML (Hyper Text Mark-up Language):** It is used to create static web pages.
- **PHP (Hypertext Preprocessor):** It is used to create dynamic web content.

- **Xampp Server:** It is an application server that runs and supports the PHP and the web service applications.

- **HTTP (Hyper Text Transfer Protocol)** It is a transaction oriented client/server protocol between a web browser and a web server.

- **Login ID** – A user identification number to enter the system.
- **Password** – A word that enables one to gain admission into the system.
- **Web-based application** An application that runs on the Internet.
- **SQL** - A query language to interrogate the system.
- **GUI** - Graphical User Interface.

1.4 Technology Used:

XAMPP Server	**:** Web Server for localhostin
MySQL	**:** Database Management System
HTML (Hyper Text Markup Language)	**:** To create static web pages.
CSS (Cascade Style Sheet)	**:** Formatting Web Page
JAVASCRIPT	**:** Field Validation
LOCALIZATION	**:** Language – English
APTANA	**:** Ide (text editor,has FTP build in)
DREAMWEAVER	**:** Ide(setting workspace,has FTP build in Text Editor)

1.5 Requirement Specification:

1.5.1 Software Requirements :

Developer Side

Operating System : Windows8

Application System : XAMPP Server

Data Base : phpMyAdmin

Programming Language   PHP, HTML, CSS,

JAVASCRIPT, AJAX

Client Side

Operating System   : Windows7 or above

Web Browser   : IE7 or equivalent, chrome

Server Side

Operating System   : Windows7 or above

Web Server   : XAMPP Server

1.5.2 Hardware Requirements :

Developer Side

Intel Dual Core or above   : 2 GB or above

Client Side

Intel Dual Core or above   : 2 GB or above

Server Side

The Size of the Server Environment   : as per database

2. OVERALL DISCRIPTION-

2.1 Project Perspective

Many institutions, colleges and universities maintain the information manually about events. This does not allow efficient data management and retrieval process. A student willing to get information about anything regarding the fest has to approach the college and obtain the details. Often the information may not be available and misleading.

Today, we are living in the era where every student has access to laptop, mobiles, tablets and the internet. The computer has made the human work very easy. The information can be accessed using internet even at home. This is a step that will provide the students the way to access everything they need to know as well as they need to do with the techfest. The main advantage of this site is that it completely removes time boundation and also place boundation. Students can register, access the site anywhere anytime.

2.2 User of the System

The users of the system commonly divided into two main categories the first is participant and the other one is administrator.

Administrators are the person who have access to database and they can edit the webpage. Admins are basically event organisors who are the member of techzion and have the task to maintain the database, edit the website or post anything on the website. They have the permission to know about a student's particular profile, see how many students are registered for a particular event, etc.

On the other hand, there are students who are interested in parrticipation. The participants can sign up to the website by providing some basic information such as name, branch, roll no., year, contact no., etc. After logging in, he can edit or view his profile, and register for any event.

Also, since the website is free and open to all, any other person outside the institute can also access the content of the website. However, the other person cannot login/signup for the website and cannot register for any event.
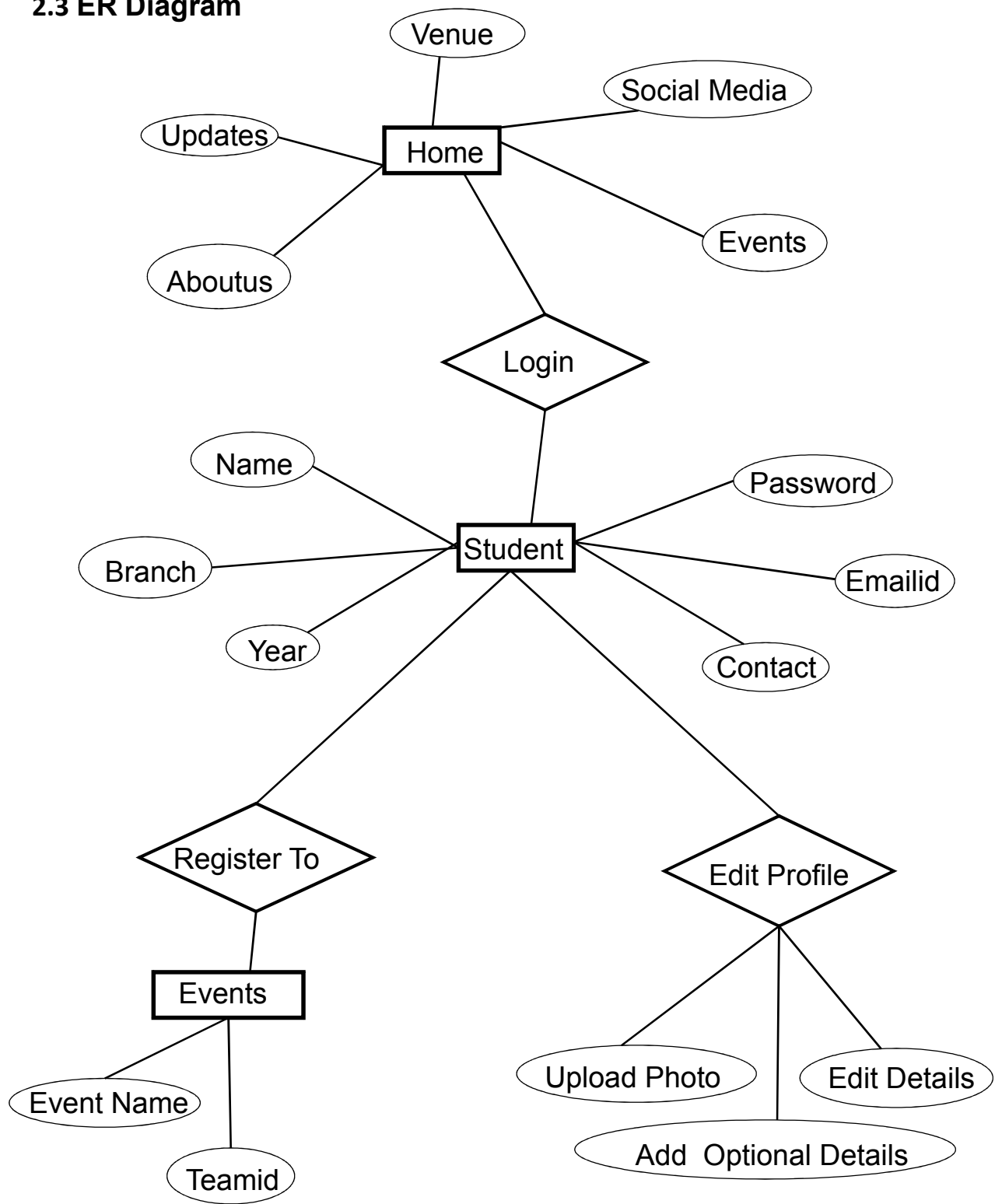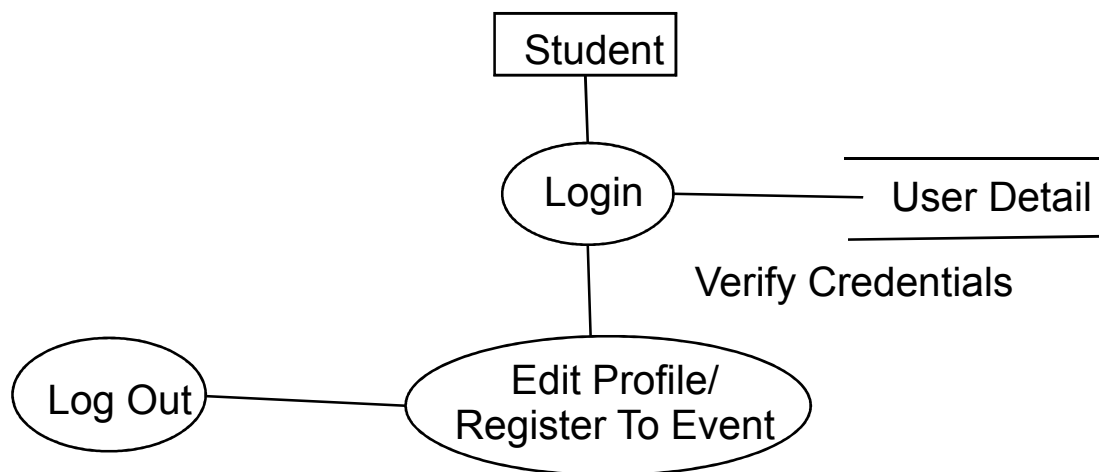
2.3 ER Diagram

Fig. 2.3.1

2.4 DatAFlow Diagram

```
                    ┌─────────┐
                    │ Student │
                    └─────────┘
                         │
                      ╭───────╮              ──────────────
                      │ Login │──────────────  User Detail
                      ╰───────╯              ──────────────
                         │         Verify Credentials
             ╭─────────╮    ╭──────────────────╮
             │ Log Out │────│  Edit Profile/    │
             ╰─────────╯    │ Register To Event │
                            ╰──────────────────╯
```

Fig. 2.4.1

```
                        ╭─────────╮
                        │ Student │
                        ╰─────────╯
                       ╱          │
              ╭─────────╮     ╭───────╮          ────────────────
              │ Sign Up │     │ Login │──────────  User Profile
              ╰─────────╯     ╰───────╯          ────────────────
                    ╲     Verified  │
                     ╲             │
                   ╭──────────────────╮        ──────────
                   │  Show Home Page   │────────  Message
                   │   Profile Page    │        ──────────
                   ╰──────────────────╯
                     │              │
          ╭──────────────────╮   ╭──────────────╮
          │ Register To Event │   │ Edit Profile │
          ╰──────────────────╯   ╰──────────────╯
                     ╲              ╱
                      ╭──────────╮
                      │  Logout  │
                      ╰──────────╯
```
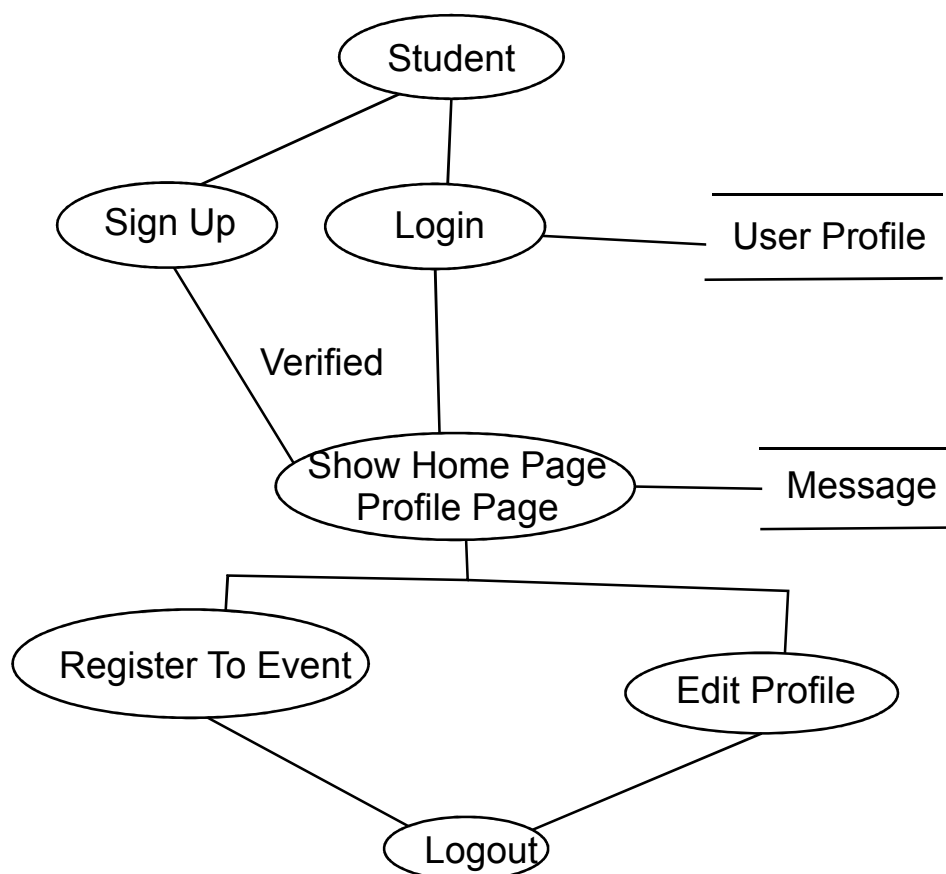
Fig. 2.4.2

2.5 MODEL

The model used is the Spiral Model. It is a iterative model. The spiral model is similar to the incremental model, with more emphasis placed on risk analysis. The spiral model has four phases: Planning, Risk Analysis, Engineering and Evaluation. A software project repeatedly passes through these phases in iterations (called Spirals in this model). The baseline spiral, starting in the planning phase, requirements are gathered and risk is assessed. Each subsequent spirals builds on the baseline spiral.
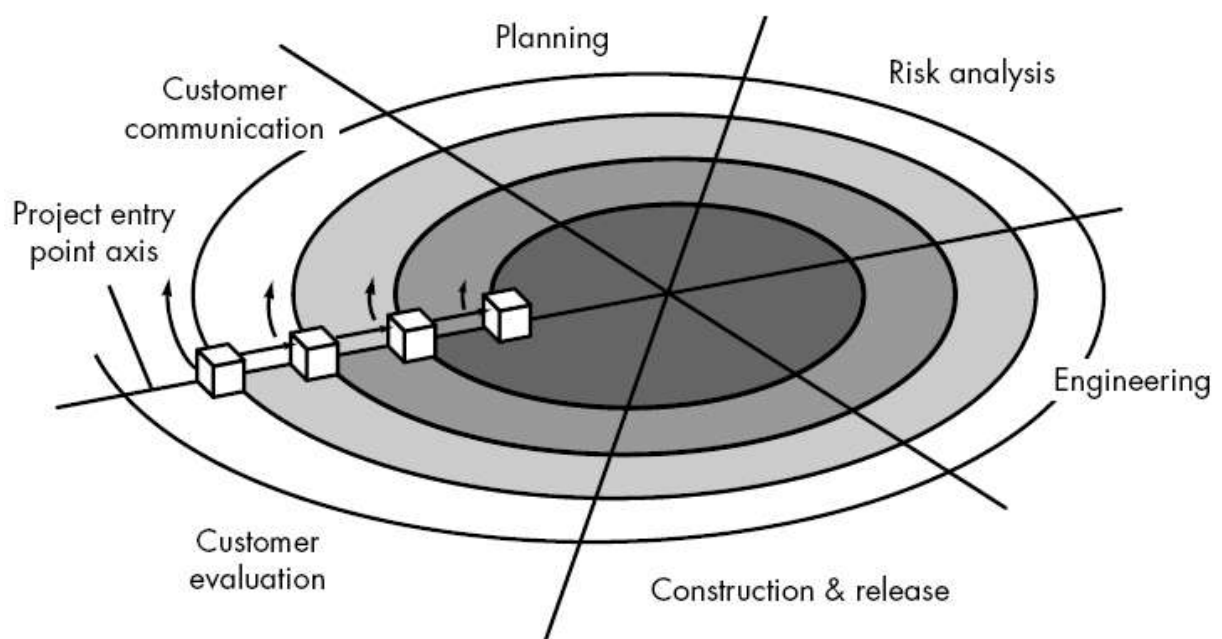

Fig. 2.5.1 Spiral Model

Advantages of Spiral model:

1. High amount of risk analysis hence, avoidance of Risk is enhanced.
2. Good for large and missiencritical projects.
3. Strong approval and documentation control.
4. Additional Functionality can be added at a later date.
5. Software is produced early in the software life cycle

Disadvantages of Spiral model

- Can be a costly model to use.
- Risk analysis requires highly specific expertise.
- Project's success is highly dependent on the risk analysis phase.
- Doesn't work well for smaller projects.

3. CODING

Home Page

```
<!DOCTYPE>
<html>
<head>
<title>TECHZION</title>
<link rel="icon" href="1.jpg">
<link rel="stylesheet" href="first.css">
<link rel="stylesheet" href="menu.css">
<link rel="stylesheet" href="login.css">
<script>
var a;
function openAny(a)
{
document.getElementById(a).style.width = "100%";
document.getElementById(a).style.height = "100%";
document.getElementById(a).style.display = "block";
}
function closeAny(a)
{
    document.getElementById(a).style.width = "0%";
    document.getElementById(a).style.height = "0%";
}
function openNav()
{
    document.getElementById("login").style.width = "250px";
    document.getElementById("home").style.marginRight =
"250px";
    document.body.style.backgroundColor = "rgba(0,0,0,0.4)";
}

function closeNav()
{
    document.getElementById("login").style.width = "0";
    document.getElementById("home").style.marginRight= "0";
    document.body.style.backgroundColor = "white";
}
```

```
<!DOCTYPE>
<html>
<head>
<title>TECHZION</title>
<link rel="icon" href="1.jpg">
<link rel="stylesheet" href="first.css">
<link rel="stylesheet" href="menu.css">
<link rel="stylesheet" href="login.css">
<script>
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{
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document.getElementById(a).style.height = "100%";
document.getElementById(a).style.display = "block";
}
function closeAny(a)
{
   document.getElementById(a).style.width = "0%";
   document.getElementById(a).style.height = "0%";
}
function openNav()
{
   document.getElementById("login").style.width = "250px";
   document.getElementById("home").style.marginRight =
"250px";
   document.body.style.backgroundColor = "rgba(0,0,0,0.4)";
}

function closeNav()
{
   document.getElementById("login").style.width = "0";
   document.getElementById("home").style.marginRight= "0";
   document.body.style.backgroundColor = "white";
}
</script>
```

```html
</head>
<body>
<div id="home">
<div align="center" style="position: relative; top:10% ">
<img src="9.png" width="50%" height="">
</div>
<span id="loginoption" style=""
onclick="openNav()">Login</span>
<button onclick='openAny("myMenu")' class="menu-icon"><span
id="menu-icon-logo">&#9776</span> Menu</button>
<!--<p id="techzion">TECHZION'16</p>-->
<div id="myMenu" class="menu">
  <a href="javascript:void(0)" class="closebtn"
onclick="closeAny('myMenu')">&#9747</a>
  <div class="menu-content">
    <p><a href="#" onclick="closeAny('myMenu')">Home</a></p>
    <p><a href="Events/events.html">Events</a></p>
    <p><a href="venue.html">Venue</a></p>
    <!--<p><a href="#">Glimpse</a></p>-->
    <p><a href="http://www.bietjhs.ac.in">About Us</a></p>
    <!--<p><a href="#">Contact Us</a></p>
    <p><a href="#">Feedback</a></p>-->
  </div>
</div>
<div id="socialmedia">
<a href="#"><img src="google.jpg" width="50px" height="50px"
class="socialicon"></a>
<a href="https://www.facebook.com/Techzion/?fref=ts"
target="_blank"><img src="facebook.png" width="50px"
class="socialicon"></a>
<a href="#"><img src="youtube.png" width="50px"
class="socialicon"></a>
</div>

<div id="updates">
<h3 align="center">Updates</h2>
<marquee>Techzion has ended</marquee>
</div>
```

```html
<div id="login" class="login">
<a href="javascript:void(0)" class="closebtn"
onclick="closeNav()">x</a>
<form method="post" action="checkvalidity.php">
<label for="userid">User Id</label>
<input type="text" id="userid" name="userid" required>
<label for="password">Password</label>
<input type="password" id="password" name="password"
required>
<!--<a href="http://www.google.com">Forgot Password</a>-->
<span style="margin-left:15px;">Remember Me</span><input
type="checkbox" name="remember" value="remember" checked>
<input type="submit" name="submit" value="Login">
<button type="button" onclick="" id="signup"><a
href="register.html" target="_blank">Signup</a></button>
</form>
</div>




</body>
</html>
```

PROJECT.CSS PAGE

```css
body {
   transition: background-color .5s;
}
#home
{
   background-image: url(2.gif);
   background-size: 50% 100%;
   background-repeat: repeat-x;
   transition: margin-right .5s;
   padding: 5px;
   margin: 0px;
   padding-right: 5%;
   height: 100%;
}

.login {
   height: 100%;
   width: 0;
   position: fixed;
   z-index: 1;
   top: 0;
   right: 0;
   background-color: #111;
   overflow-x: hidden;
   transition: 0.5s;
   padding-top: 60px;
}

.login > a {
   padding: 8px 8px 8px 32px;
   text-decoration: none;
   font-size: 25px;
   color: gray;
   display: block;
   transition: 0.3s
}

.login > a:hover, .offcanvas > a:focus{
   color: white;
}
```

```css
.closebtn {
    position: absolute;
    top: 0;
    right: 25px;
    font-size: 36px !important;
    margin-left: 50px;
}


.login label
{
    padding-left: 15px;
}

input[type=text] ,input[type=password] ,select
{
    width: 90%;
    padding: 5px 5px;
    margin: 5% 5%;
    display: inline-block;
    border: 1px solid #ccc;
    border-radius: 4px;
    box-sizing: border-box;
}

input[type=submit]
{
    width: 40%;
    background-color: #4caf50;
    color: white;
    padding: 5px 5px;
    margin: 5% 5%;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

input[type=submit]:hover
{
    background-color: #45a049;
}
```

```css
#signup
{
    width: 40%;
    background-color: #4caf50;
    color: white;
    padding: 5px 5px;
    margin: 5% 5% 5% 0%;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}
#signup a
{
    text-decoration: none;
    font-size: 1em;
    color: white;
    display: block;
}


#loginoption
{
    border-radius: 10px;
    border: 1px solid gray;
    background-color: #45a049;
    opacity: 0.5;
    padding: 3px 5px;
    text-align: center;
    display: block;
    width: 5%;
    font-size: ;
    cursor: pointer;
    position: absolute;
    margin-left: 90%;
    top: 10%;
}
```

Event.HTML Page

```html
<html>
<head>
<title>Events|Techzion</title>
<link rel="stylesheet" href="events.css">
</head>
<body>
<div id="all">
<div class="each"><div style="background-image:
url(robotics.jpg);"><a href="robotics.html">Robitics</a></div></div>
<div class="each"><div style="background-image:
url(technovoltz.jpg); background-size: 200px 200px;"><a
href="technovolts.html">Technovolts</a></div></div>
<div class="each"><div style="background-image:
url(programming.jpg); background-size: 200px 210px;"><a
href="programming.html">Programming</a></div></div>
<div class="each"><div style="background-image: url(fun-
events.jpg); background-size: 200px 200px;"><a href="fun-
events.html">Fun Events</a></div></div>
<div class="each"><div style="background-image:
url(presentation.jpg); background-size: 200px 220px;"><a
href="presentation.html">Presentation</a></div></div>
<div class="each"><div style="background-image: url(circuit-
events.jpg); background-size: 200px 200px;"><a href="circuit-
events.html">Circuit Events</a></div></div>
</div>
</body>
</html>
```

Event CSS Page

```css
body
{
background-image: url(a/1.jpg);
background-size: 100% 100%;
font-size: 200%;
overflow: hidden;
}
a
{
color: white;
text-decoration: none;
}
#all
{
padding-left: 10%;
}
.each
{
overflow: hidden;
float: left;
width: 200px;
height: 200px;
margin-top: 4%;
margin-left: 10%;
border-top: 10px solid yellow;
border-left: 10px solid yellow;
border-right: 10px solid blue;
border-bottom: 10px solid blue;
text-align: center;
border-radius: 50%;
}
.each a
{
display: block;
text-align: center;
position: relative;
padding-top: 40%;
width: 100%;
height: 100%;
}
```

```css
each:hover
{
animation-name: first;
animation-duration: 5s;
animation-iteration-count: infinite;
animation-timing-function: linear;
animation-direction: ;
}
/*.each:hover a
{
animation-name: first;
animation-duration: 1s;
animation-iteration-count: infinite;
animation-timing-function: linear;
animation-direction: reverse;
}*/
@keyframes first
{
from {/*border-top-color: yellow;
border-left-color: yellow;
border-right-color: blue;
border-bottom-color: blue;*/
transform: rotateZ(0deg);}
to   {/*border-top-color: blue;
border-left-color: blue;
border-right-color: yellow;
border-bottom-color: yellow;*/
transform: rotateZ(360deg);}
}
@keyframes second
{
from {/*border-top-color: yellow;
border-left-color: yellow;
border-right-color: blue;
border-bottom-color: blue;*/
transform: rotateZ(0deg);}
to   {/*border-top-color: blue;
border-left-color: blue;
border-right-color: yellow;
border-bottom-color: yellow;*/
transform: rotateZ(-360deg);}
}
```

```php
<html>
<head>
 <?php

 // checking cookie firstly
 if($_COOKIE['userid']==false)
 {
 header("Location: /mydata/login/studentlogin.php");
 }



session_start();
$mysql_host="localhost"; $mysql_user="root"; $mysql_password=""; $dbname="db1";
$conn= new mysqli($mysql_host, $mysql_user, $mysql_password, $dbname);

$qwerty;              //temp used items
$dbuserid; $dbusername; $dbbranch; $dbyear; $dbemailid; $dbcontact; $dbaddressline1;
$dbaddressline2; $dbstate; $dbpincode; $dbteammember1userid; $dbteammember2userid;
$dbteammember3userid;
@mysqli_select_db('db1');

  $qwerty = $_COOKIE['userid'];
  $sql = "select * from userdetail";
                $result = $conn->query($sql);
                 if ($result->num_rows > 0) {
                        // output data of each row
                          while($row = $result->fetch_assoc())
 {
 $dbuserid=$row['UserId'];
 if($dbuserid==$qwerty)
 {
 $dbusername=$row['Name'];
 $dbbranch=$row['Branch'];
 $dbyear=$row['Year'];
 $dbemailid=$row['EmailId'];
 $dbcontact=$row['Contact'];
 $dbaddressline1=$row['AddressLine1'];
 $dbaddressline2=$row['AddressLine2'];
 $dbstate=$row['State'];
 $dbpincode=$row['PinCode'];
 $dbteammember1userid=$row['TeamMember1UserId'];
 $dbteammember2userid=$row['TeamMember2UserId'];
 $dbteammember3userid=$row['TeamMember3UserId'];
 $photoloc=$row['p2'];
 break;
 }
 }
 }



//header('refresh:10; studentlogin.php');
function abc()
{
 header('refresh:10; studentlogin.php');
 echo "bhbjhvvvjgvjhbvhbhvjhvjvv";
}

?>
```

```html
<body width=100% height=100% background="background/home.jpg" style="background-size: 100% 100%"; )>
    <div id="block" *{margin= "0px" padding= "0px"} style=" width : 100%; height : 100%">
     <div id="block0" style="width : 100%; height : 0.5%" >
       <div id="myProgress">
                <div id="myBar"></div>
             </div>
       </div>

        <div  id="block1" style="width : 100%; height : 8%" >
        <img src="background/techzion.png">

        </div>

  <!-- block1 with its sub division completes here  -->
  <div id==block2" style="width : 100%; height : 8%" >
        <button class="button" style="width : 15% ; height : 100%"; onclick="move();">DashBoard</button>
        <button class="button" style="width : 10% ; height : 100%" onclick="progress()">Progress</button>
        <button class="button" style="width : 10% ; height : 100%" onclick="message()">Message</button>
        <button class="button" style="width : 10% ; height : 100%" onclick="course()">Course</button>
        <button class="button" style="width : 15% ; height : 100%" onclick="editprofile()"> Edit Profile</button>
        <button class="button" style="width : 15% ; height : 100%" onclick="changepassword()"> Change
Password</button>
        <button class="button" style="width : 15% ; height : 100%"; onclick="aboutus();">Contact Us</button>
        <button class="button" name="logout" id="logout" style="width : 10% ; height : 100%";
onclick="logout();"> logout </button>

</div>

<div id="block3" style="background-color : yellow; width : 100%; height : 6%" >
   <marquee style="font-size : 100%" direction="left" behaviour="alternate" scrolldelay="1" scrollamount="5"
onmouseover="this.stop();" onmouseout="this.start();">
   We heartly welcomes you to the 'BIET JHANSI' Tech-Fest.
   </marquee>
</div>

   <div id="block4" style="width : 100%; height : 76%" >
     <div id="block4b" style="background-color : ; width : 65%; height : 100% ; float :left;">
    <p> Name              : <?php
echo $dbusername; ?>   </p>
 <p> Registered ID       : <?php echo $dbuserid; ?>   </p>
 <p> Branch                     : <?php echo
$dbbranch; ?>   </p>
 <p> Year
                
: <?php echo $dbyear ?>   </p>
 <p> EmailId
                
: <?php echo $dbemailid; ?>   </p>
 <p> Contact
                  : <?php
echo $dbcontact; ?>   </p>
 <p> AddressLine1         : <?php echo $dbaddressline1; ?>   </p>
 <p> AddressLine2         : <?php echo $dbaddressline2; ?>   </p>
 <p> State
               &n
bsp;  : <?php echo $dbstate; ?>   </p>
 <p> PinCode                : <?php
echo $dbpincode; ?>   </p>


</div>
     <div id="block4a" style="background-color : ; width : 35%; height : 100%; float :right; position:relative; right:
0px;">
     <img src='<?php echo "uploads/".$photoloc;  ?>' alt="upload your photo under section of edit profile"
id="viewphoto" width=50%; height=60%; style="padding-top:;"></img>
   </div>

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

25

4. SCREENSHOT

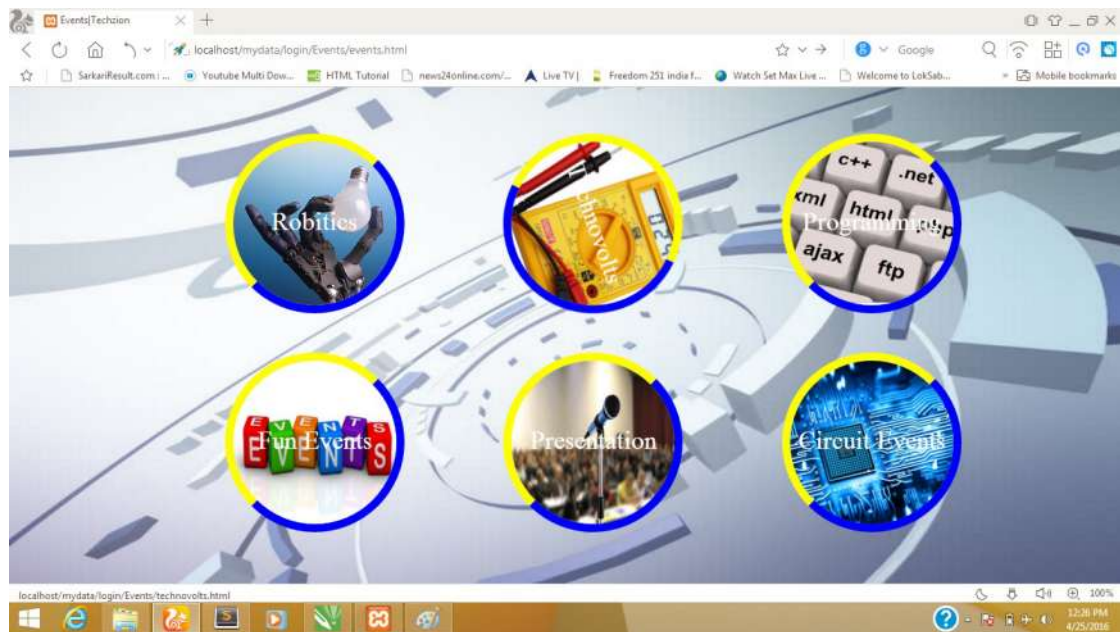Fig. 4.1 : Home Page

Fig. 4.2 : loging page
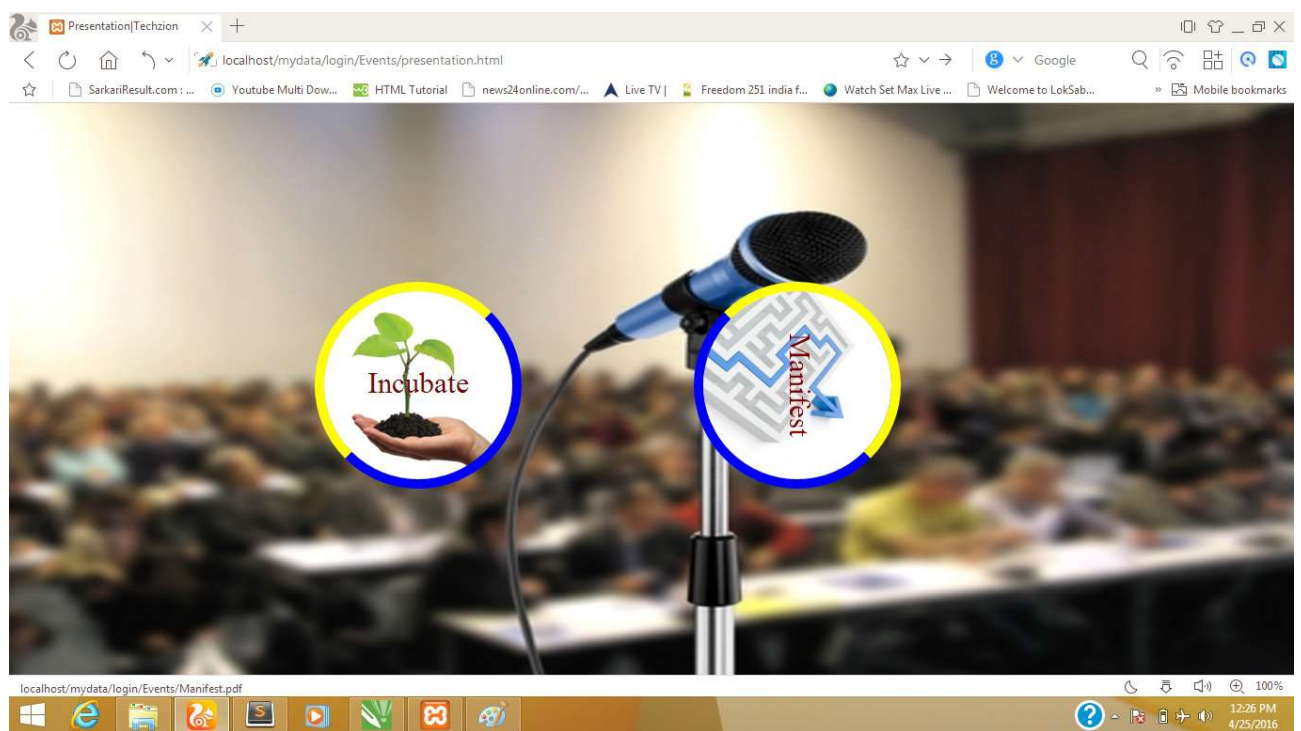
Fig. 4.3 : event Page 1
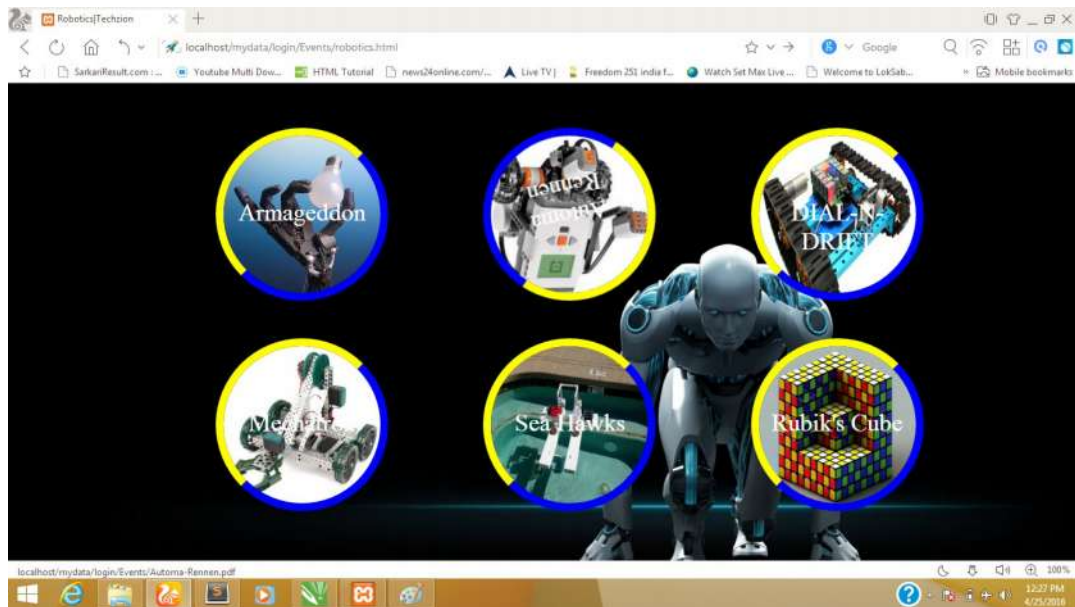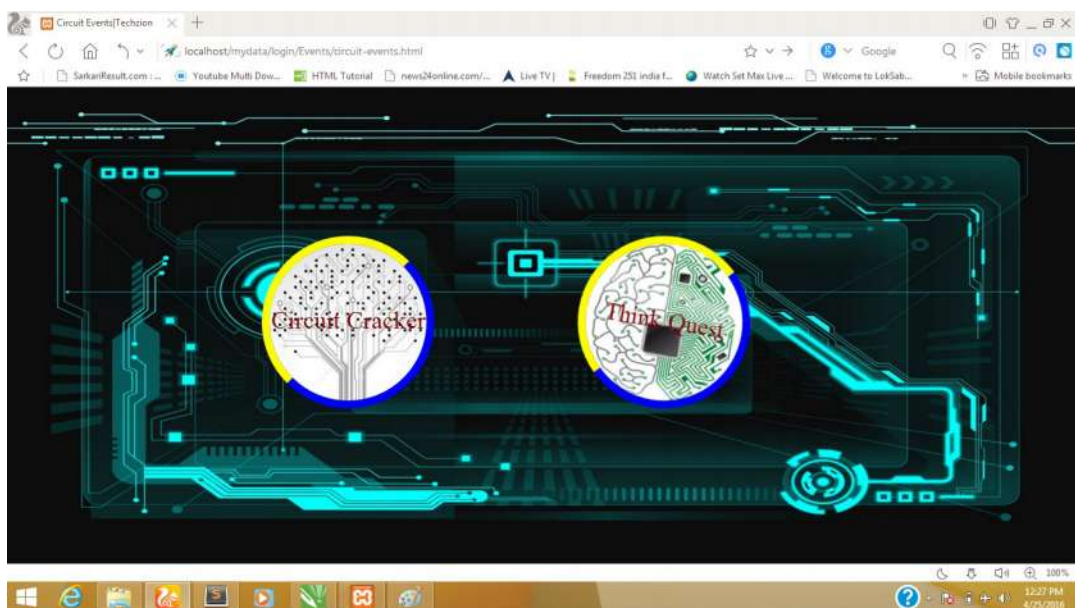

Fig. 4.4 : event Page 2
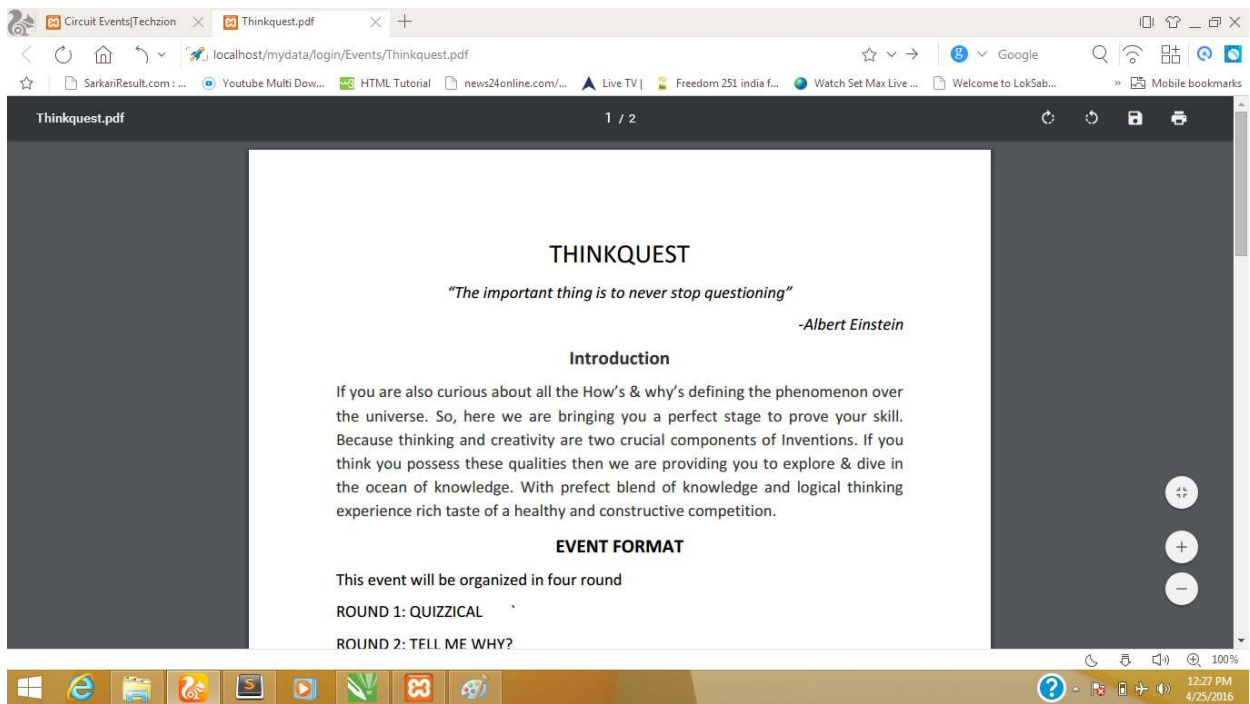
Fig. 4.5 : event Page 3

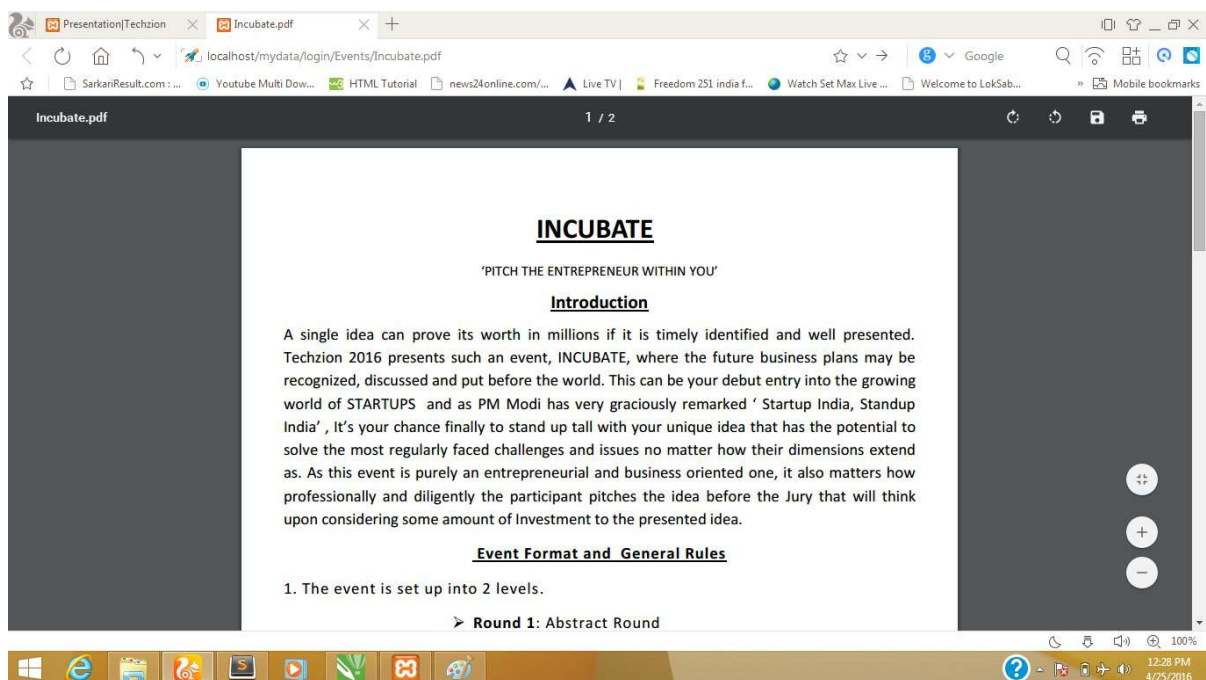Fig. 4.6 : event Page 4

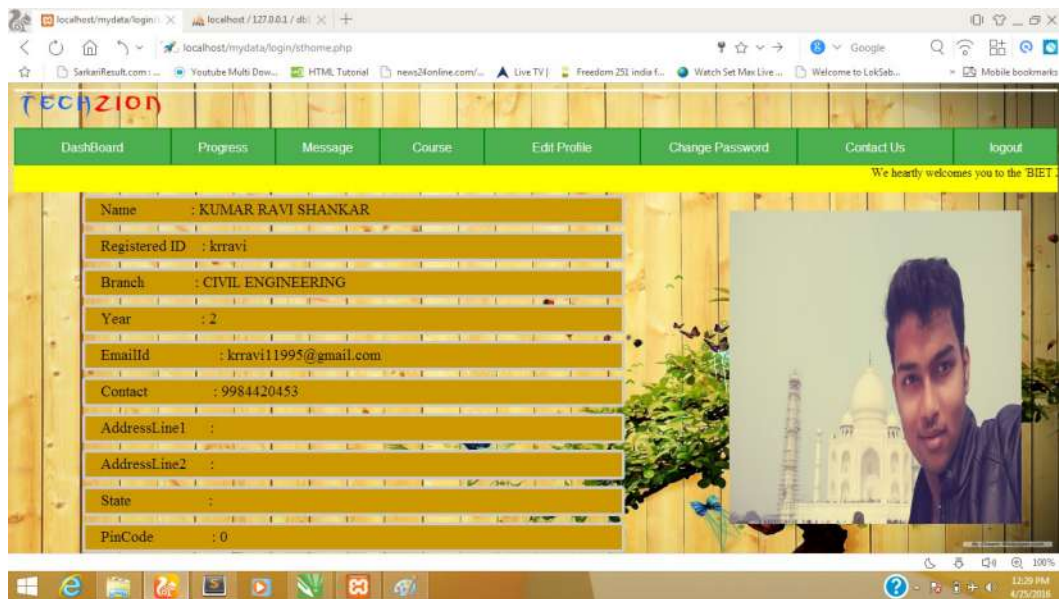Fig. 4.7 :thinkquest page
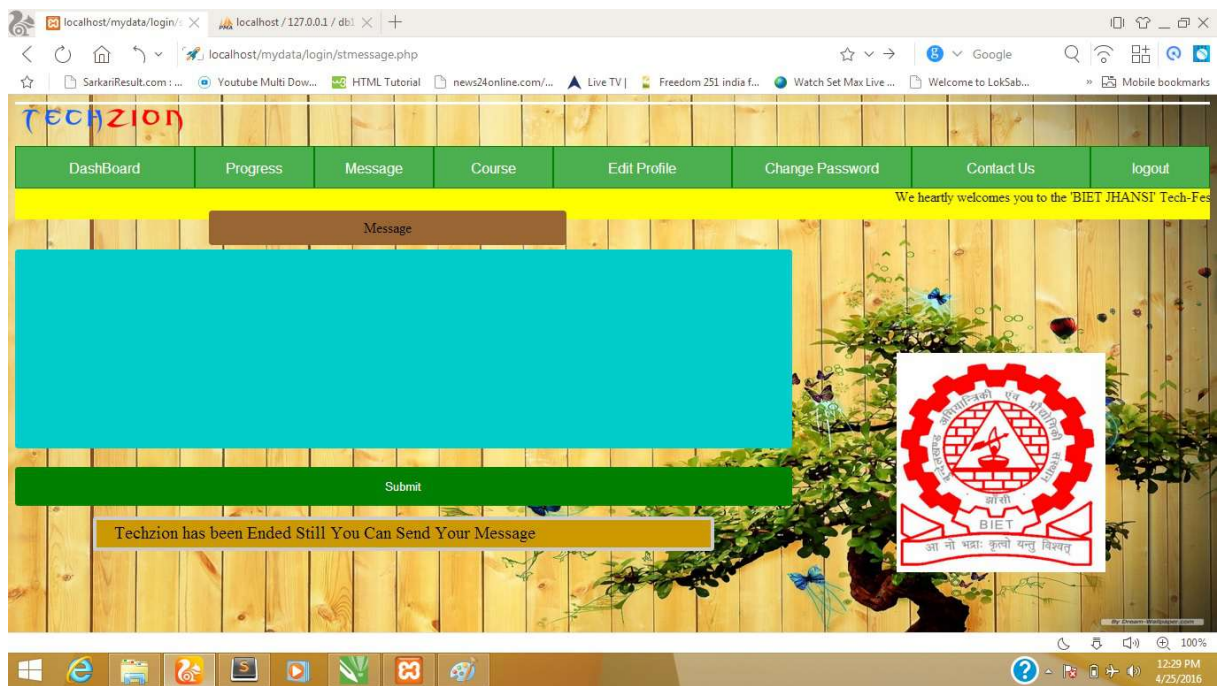

Fig. 4.8:Incubate page

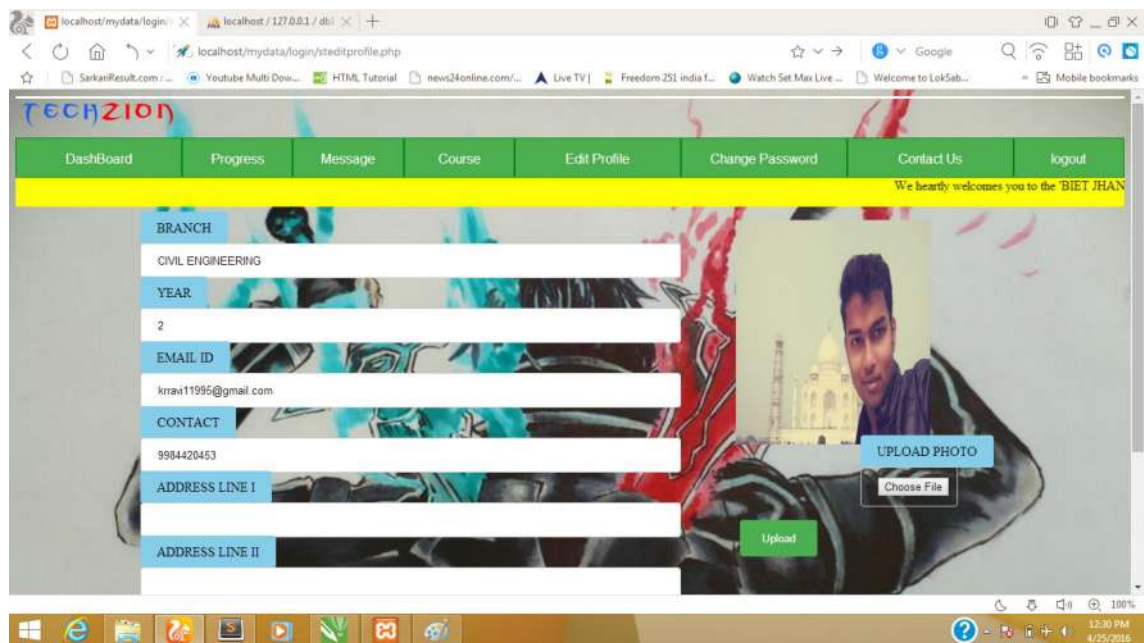Fig. 5.0 :Profile page

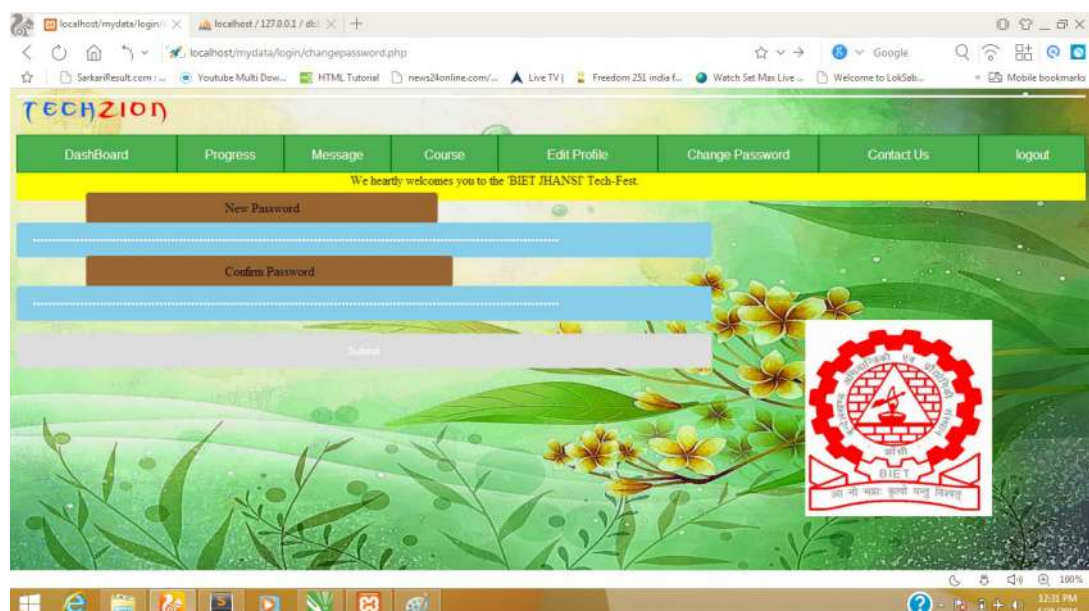Fig. 5.1 :message page

Fig. 5.2 : Edit profile Page

Fig. 5.3 : Change password Page

5. TESTING

One of the main requirements of the software development is to develop bug free reliable system. During the process of develop of any application there is always a possibility of some errors being developed. And also the software may not be as user asked for.Thus,it becomes imperative that ,the software should be checked at every step. This helps in a bug free reliable system. If there is any bug or alteration that have to be made that can be done at the preliminarily level as the application gets more complicated after every step.

1. The objective of the testing is to discover bugs of the application. To fulfill the objective ,a series of test steps such as Unit Testing, Validation Testing, System Testing .
2. Testing is a process of executing a program with the intent of finding an error.
3. A good test case is one that has a high probability of finding a yet as undiscovered
4. A successful test is one that uncovers yet undiscovered error.
5. If the testing is conducted successfully it will uncover errors in the software.

VARIOUS TESTING APPROACHES:

1. Unit Testing

Unit Testing is whitebox oriented, after the source code was developed, reviewed and verified for correct syntax, unit testing was performed. Unit testing is dynamic method for verification. In this each and every module was tested with internal logic, case in isolation and the internal logic of the modules is found to be correct and all results obtained are also correct

2.Integration Testing

Integration testing is white box as well as black box oriented. The next level of testing is Integration testing. In this testing all the modules tested in unit testing were combined into sub system and were then tested. Integration testing was performed to ensure that the modules are integrated properly and the data flow between the modules is proper.

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2. 6. COMPARATIVE STUDY

2.1 Project Perspective

ktj.in is a site with similar idea but there are distinguishing features in our site and they are:-

a) This site is not for a particular college .In this website students from different college can sign up and can participate in the events.

b) In this site,students can sign in from google+, facebook, etc. which is our future work.

c) UI of this site is much better than ours.

d) This site is designed with the help of bootstrap but our site is handwritten.

e) In this website, there is search option by which we can search for any query.

f) This site uses the concept of layers which is partially implemented in our site.

g) The source code of this site is very large and there is more implementation of scripting, css and php.

h) Our website is responsive and thus can be operated from all types of screen size whether we are operating it from a laptop, mobile, palmtop or a tab.

7. FUTURE WORK

1. Today, only the registration, information, etc. is imparted online. In future, we will conduct online events so that students can participate online and they will not have to go to the college to participate.

2. Presently our website is for only those student who are or have been indulged in BIET. In future we will add diverse field so it is also beneficial to other college students and they could also participate.

3. We will add a feature of discussion forum so that students can ask their queries to respective coordinators.

4. We will try to implement more of security and safety features so that confidentiality and integrity of the users is maintained.

5. Presently, the user can only sign by providing his information. In future, we will add an option of sign-in with sites such as google+, facebook, etc.

6. The TECHZION is organised every year in the college. So, the need for the this site will be continued in upcoming years. So, future scope of this site is very wide.

8. REFRENCES