

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI – 590014



MINI PROJECT REPORT

ON

"ALUMNI MANAGEMENT SYSTEM"

Submitted in partial fulfillment for the requirement of 5th semester for the

Degree of Bachelor of Engineering in COMPUTER SCIENCE & ENGINEERING

For the Academic Year 2021-22

SUBMITTED BY:

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CERTIFICATE

This is to certify that the Project Report entitled "ALUMNI MANAGEMENT SYSTEM" is a bonafide Project work carried out by CHANDANA K (1DB19CS031) and PREKSHA M (1DB19CS108), in partial fulfillment of '5th' semester for the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi, during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated with the degree mentioned.

Mrs. Shruthi G	Dr. Parvathi.C	Prof. B.S UMASHANKAR
Assistant Professor,	Assoc Professor,	Head of Department,
Dept. of CSE,	Dept of CSE,	Dept. of CSE,
DBIT, Bengaluru.	DBIT, Bengaluru.	DBIT, Bengaluru.

Signature of HOD

Signature of Guide

External Viva

Name of the Examiners	Signature with Date
1.	
2	

DON BOSCO INSTITUTE OF TECHNOLOGY

Kumbalagodu, Bengaluru -560074



DECLARATION

We, **CHANDANA K and PREKSHA M,** student of **fifth semester B.E**, Department of Computer Science and Engineering, Don Bosco Institute of Technology, Kumbalagodu, Bengaluru, declare that the Project Work entitled "**ALUMNI MANAGEMENT SYSTEM**" has been carried out by and submitted in partial fulfillment of the requirement of 5th semester Aug 2021-Jan 2022. The matter embodied in this report has been submitted to any university or institute for the award of any other degree or diploma.

Place: Bengaluru CHANDANA K [1DB19CS031]

Date:22/03/2022 PREKSHA M [1DB19CS108]

ACKNOWLEDGEMENT

Here I am submitting the CG mini project report on "ALUMNI MANAGEMENT SYSTEM", as per the scheme of Visvesvaraya Technological University, Belgaum.

In this connection, I would like to express my deep sense of gratitude to my beloved institution Don Bosco Institute of Engineering and also I like to express my sincere gratitude and indebtedness to **Dr. HEMADRI NAIDU T, Principal, DBIT, Bangalore**.

I would like to express my sincere gratitude to **Prof. B.S. UMASHANKAR**, Professor and Head of Dept. of Computer Science and Engineering, for providing a congenial environment to work in and carryout my mini project.

I would like to express the deepest sense of gratitude to thank my Project Guide **Prof. Shruthi G**, Asst. Professor, & **Dr. Parvathi C**, Assoc. Professor, Department of Computer Science and Engineering, DBIT, Bangalore for their constant help and support extended towards me during the Course of the project.

Finally, I am very much thankful to all the teaching and non-teaching members of Department of Computer Science and Engineering, my seniors, friends and my parents for their constant encouragement, support and help throughout completion of report.

ABSTRACT

This project is aimed at developing a Repository and each Engine for alumniof the college, which is of importance to a college. The Alumni System Management is a web-based application that can be accessed throughout the World. Anyone canaccess the search Engine to know about any Alumni of that college but can't able to add

This system can be used as an application for the Alumni System Management to manage the alumni information. Admin can be able to make changes in the website. The website also provides a job openings porta, which is beneficial to everyone who are looking for job.

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1. INTRODUCTION

1.1 Overview

The report discusses the result of the work done in development of alumni management system on HTML,CSS front end platform and PHP as backend platform

At the development of an application PHP provides a good connecting facility between all pages also the backend MYSQL is most important to save all the data related to the application

1.2 Background and Motivation

Background:

Alumni System Management is a web application which acts as a platform toconnect and reconnect the alumni of the college. It can used for multiple purposes- to post events, any job vacancies so that it can be helpful to people, to connect with old friends. It works in web browser.

Existing System:

The Existing system is a computerized system but which is maintained at individual databases i.e in excels sheets, it's a time delay process. And maintaining all the records in Excel sheets is difficult. If they want any record, they have to searchall the records. It doesn't provide multiple user accessibility and also doesn't have different user privileges. So, the system is not accessible for all the employees of theorganization.

Proposed System:

The Proposed system is a computerized system but which is maintained at Centralized databases i.e., in automated forms it's a very fast process. And maintaining all the records in online systems database which makes it very easy toaccess and retrieve data from the database. If they want any record, they can easily search all the records. It provides multiple user accessibility and also has different user

privileges. So, the system is accessible for all the employees of the organization.

1.3 METHODOLOGY

As this is a complete online website, there are 2 techniques -frontend and backend.

Frontend means the design of the website or the designing the interface of the website application.

Frontend used: HTML, CSS

Backend means server-side programming: it communicates the client interface with the database and the logic

control

Backend used: PHP

DATABASE: MYSQL

2. SCOPE OF PROJECT

The proposed system will be on-line so it can be accessed by alumni anywhere. It will enable quick and easy communication. Each user will be responsible for the updating their own information. Each user will also have the option to maintain their privacy.

It does not require the constant attention of a group of students for its maintenance. Alumni will be able to organize meetings and find out about job opportunities on themselves using this system.

- Databases for different products range and storage can be provided.
- Multilingual support can be provided so that it can be understandable bythe person of any language.
- More graphics can be added to make it more user-friendly and understandable.
- Manage & backup versions of documents online.

3. REQUIRMENTS

SOFTWARE REQUREMENTS

Front end : HTML
Back end : PHP
DATABASE : MYSQL

HARDWARE REQUIREMENTS

Processer : Intel core Duo 2.0GHz or more.

RAM : 1 GB or more Hard Disk : 80 GB or more

Monitor : 15" CRT or LCD monitor Keyboard : Normal or Multimedia Mouse : Compatible mouse

4. DATA DIRECTORY

1.Dumping data for table `alumnus_bio`

--

INSERT INTO `alumnus_bio` (`id`, `firstname`, `middlename`, `lastname`, `gender`, `batch`,

`course_id`, `email`, `connected_to`, `avatar`, `status`, `date_created`) VALUES

(2, 'Mike', 'D', 'Williams', 'Male', 2009, 1, 'mwilliams@sample.com', 'My Company',

'1602730260_avatar.jpg', 1, '2020-10-15');

2.Dumping data for table `courses`

--

INSERT INTO `courses` (`id`, `course`, `about`) VALUES

(1, 'BS Information Technology', 'Sample');

3. Dumping data for table 'events'

--

INSERT INTO `events` (`id`, `title`, `content`, `schedule`, `banner`, `date_created`) VALUES (1, 'SIMULATION WORKSHOP ON INTERVIEW SKILLS FOR MBA STUDENTS ', 'SIMULATION WORKSHOP ON INTERVIEW SKILLS FOR MBA STUDENTS

Chairperson: Dr. Hemadri Naidu T President, DBITAA

Convener: Prof. Shyam Sundar SA HOD, MBA

HR Panel (DBIT Alumni):

Shiva Kumar D R - Senior Resource Manager, HDB Financial Services Ltd

Sheela M - Human Resources Generalist, Steradian Semiconductors Pvt Ltd

Suhel Pasha - Recruitment Coordinator, VISA

Shukrutha B J - Recruiter Associate, PeopleStrong

Arshitha S - Recruiter Associate, PeopleStrong

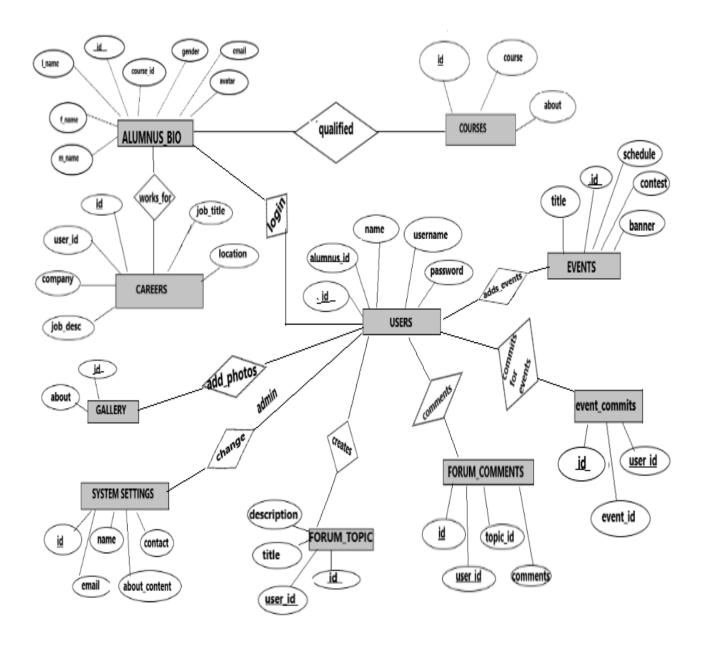
```
This workshop is aimed to expose the MBA Students to the art of cracking the Interviews
with utmost confidence & clarity.', '2020-10-16 10:00:00', '1602813060_no-image-
available.png', '2020-10-16 09:51:55');
4. Dumping data for table `event_commits`
INSERT INTO `event_commits` (`id`, `event_id`, `user_id`) VALUES
(1, 1, 3);
5. Dumping data for table `forum_comments`
INSERT INTO `forum_comments` (`id`, `topic_id`, `comment`, `user_id`, `date_created`)
VALUES
(1, 3, 'Sample updated Comment', 3, '2020-10-15 15:46:03'),
(3, 3, 'Sample', 1, '2020-10-16 08:48:02'),
    (5, 0, ", 1, '2020-10-16 09:49:34');
6.Dumping data for table `gallery`
INSERT INTO `gallery` (`id`, `about`, `created`) VALUES
(1, 'Samplee', '2020-10-15 13:08:27'),
(2, 'asdasd', '2020-10-15 13:15:37'),
(3, 'asdasdrtgfdg', '2020-10-15 13:15:45'),
(4, 'dfgdfgdfg', '2020-10-15 13:15:53'),
(5, 'dfgdfgdfg', '2020-10-15 13:16:07');
7. Dumping data for table `users`
 INSERT INTO `users` (`id`, `name`, `username`, `password`, `type`,
```

(1, 'Admin', 'admin', '0192023a7bbd73250516f069df18b500', 1, ", 0),

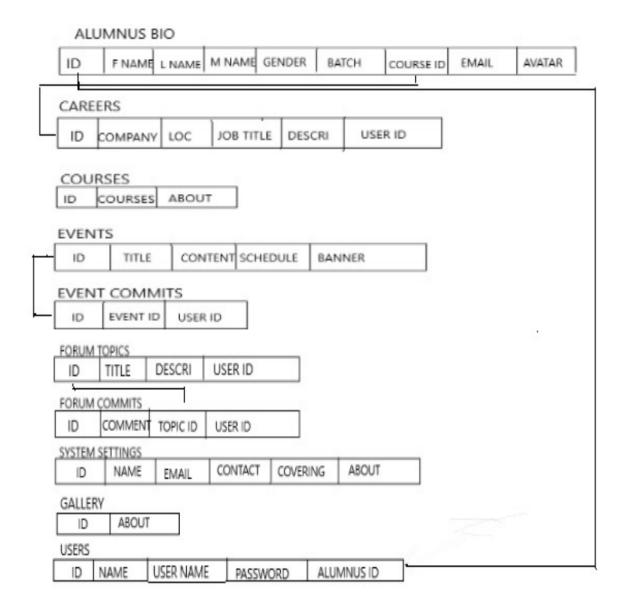
`auto_generated_pass`, `alumnus_id`) VALUES

(3, 'Mike Williams', 'mwilliams@sample.com', '3cc93e9a6741d8b40460457139cf8ced', 3, ",

4.1 E-R DIAGRAM



4.2 SCHEMA DIAGRAM



5. RELATIONAL DATA BASE DESIGN

1] ALUMNUS_BIO

ID ,f_name ,m_name ,l_name ,gender ,batch ,course_id ,email ,avatar

	F-	m-	1-	gende	batc	Course	Emai	avata
i	nam	nam	nam	r	h	-id	1	r
d	e	e	e					

2] CAREERS:-

ID, company, location, job title, description, user id.

	company	location	Job	description	User
id			title		id

3] COURSES

Id, courses, about

Id courses	about

4] EVENTS

Id, title, content, schedule, banner

	title	content	schedule	banner
Id				

5] EVENT COMMITS

Id, event id, user id.

Id	Event_id	User_id	
----	----------	---------	--

6] FORUM COMMENTS

Id, topic id, comments, user id

id Topic_id Comments User_id

7] FORUM TOPIC

Id, title, description, user id

Id title description User

8] GALLERY

Id, about

T 1	
l Id l at	011f
Tu ut	out

9] SYSTEM SETTINGS

Id, name, email, contact, covering, about

Id name	email	contact	covering	about	
---------	-------	---------	----------	-------	--

10]USERS

Id, name, username, password, alumnus id

Id	name	username	password	Alumnus_
				id

5.1 Database Normalization:

First Normal Form:-

The relation is in 1NF if it has no repeating groups. All tables has no repeating groups so they are in 1NF.

Tables:-

1] ALUMNUS_BIO

I	F_	M_n	L_n	ge	bat	Cours	e	av
d	na	ame	ame	nd	ch	e_id	m	ata
	me			er			ai	r
							1	

2] COURSES

Id	courses	about	

2.Second Normal Form

A relation is said to be in second normal form if it is already in first normal form and it has no partial dependency.

1) Alumnus_bio:

The absence of partial dependency in relation takes it into 2NF without any modification.

2) Courses:

The absence of partial dependency in relation takes it into 2NF without any modification.

3. Third Normal Form

A relation is said to be in third normal form if it is already in 1st and 2nd NF and has no transitive dependency.

1) Alumnus bio:

In alumnus bio every attribute depends on primary key so it is in 3rd normal form

2) Courses:

In courses every attribute depends on primary key so it is in 3rd normal form

6. GRAPHICAL USER INTERFACE

The application is very user friendly and uses a GUI interface implemented in PHP and HTML to Communicate with the user. Various features are self – explanatory. Forms are easy to fill in and components can be added, removed and updated very easily through a Single dialog box. The application includes tool-tip hints to give a brief description of the particular input Field.

List boxes are used to display all the components at once so that user can see all the components of a Particular type at once. One can just select the component and modify and remove the component.(based on the access control of the person

Features

- 1. Clean separation of various components to facilitate easy modification and revision.
- 2. All the data is maintained in a separate file to facilitate easy modification
- 3. All the data required for different operations is kept in a separate file.
- 4. Quick and easy saving and loading of database file.

7. SOURCE CODE

1. ABOUT

```
<!-- Masthead-->
    <header class="masthead">
       <div class="container h-100">
         <div class="row h-100 align-items-center justify-content-center text-center">
           <div class="col-lg-10 align-self-end mb-4" style="background: #0000002e;">
                   <h1 class="text-uppercase text-white font-weight-bold">About Us</h1>
              <hr class="divider my-4" />
           </div>
         </div>
       </div>
    </header>
  <section class="page-section">
    <div class="container">
  <?php echo html_entity_decode($_SESSION['system']['about_content']) ?>
    </div>
    </section>
```

2.ALUMNI LIST

```
<?php
include 'admin/db_connect.php';
?>
<style>
#portfolio .img-fluid{
  width: calc(100%);
  height: 30vh;
```

```
z-index: -1;
  position: relative;
  padding: 1em;
}
.alumni-list{
cursor: pointer;
border: unset;
flex-direction: inherit;
.alumni-img {
  width: calc(30%);
  max-height: 30vh;
  display: flex;
  align-items: center;
  justify-content: center;
}
.alumni-list .card-body{
  width: calc(70%);
}
.alumni-img img {
  border-radius: 100%;
  max-height: calc(100%);
  max-width: calc(100%);
}
span.hightlight{
  background: yellow;
}
.carousel,.carousel-inner,.carousel-item{
 min-height: calc(100%)
}
header.masthead;header.masthead;before {
     min-height: 50vh !important;
     height: 50vh !important
```

```
.row-items{
  position: relative;
.card-left{
  left:0;
.card-right{
  right:0;
}
.rtl{
  direction: rtl;
. a lumni-text \{\\
  justify-content: center;
  align-items: center;
}
.masthead{
     min-height: 23vh !important;
    height: 23vh !important;
  }
   .masthead:before{
    min-height: 23vh !important;
    height: 23vh !important;
  }
.alumni-list p {
    margin:unset;
</style>
     <header class="masthead">
       <div class="container-fluid h-100">
          <div class="row h-100 align-items-center justify-content-center text-center">
            <div class="col-lg-8 align-self-end mb-4 page-title">
```

```
<a href="text-white">Alumnus/Alumnae List</h3>
              <hr class="divider my-4" />
            <div class="col-md-12 mb-2 justify-content-center">
            </div>
            </div>
         </div>
       </div>
     </header>
           <div class="container">
                   <div class="card mb-4 mt-4">
                <div class="card-body">
                   <div class="row">
                     <div class="col-md-8">
                        <div class="input-group mb-3">
                         <div class="input-group-prepend">
                          <span class="input-group-text" id="filter-field"><i class="fa fa-</pre>
search"></i></span>
                         </div>
                         <input type="text" class="form-control" id="filter"</pre>
placeholder="Filter name,course, etc." aria-label="Filter" aria-describedby="filter-field">
                        </div>
                     </div>
                     <div class="col-md-4">
                        <button class="btn btn-primary btn-block btn-sm"
id="search">Search</button>
                     </div>
                   </div>
                </div>
              </div>
           </div>
       <div class="container-fluid mt-3 pt-2">
```

```
<div class="row-items">
        <div class="col-lg-12">
          <div class="row">
        <?php
        $fpath = 'admin/assets/uploads';
        $alumni = $conn->query("SELECT a.*,c.course,Concat(a.lastname,', ',a.firstname,'
',a.middlename) as name from alumnus_bio a inner join courses c on c.id = a.course_id order
by Concat(a.lastname,',',a.firstname,'',a.middlename) asc");
        while($row = $alumni->fetch assoc()):
        ?>
        <div class="col-md-4 item">
        <div class="card alumni-list" data-id="<?php echo $row['id'] ?>">
            <div class="alumni-img" card-img-top>
               <img src="<?php echo $fpath.'/'.$row['avatar'] ?>" alt="">
      </div>
          <div class="card-body">
            <div class="row align-items-center h-100">
               <div class="">
                 <div>
                 <b><?php echo $row['name'] ?></b>
                 <hr class="divider w-100" style="max-width: calc(100%)">
                 Email: <b><?php echo $row['email'] ?></b>
                 Course: <b><?php echo $row['course'] ?></b>
                 Batch: <b><?php echo $row['batch'] ?></b>
                 Currently working in/as <b><?php echo</pre>
$row['connected_to'] ?></b>
                   <br>
                 </div>
              </div>
            </div>
```

```
</div>
          </div>
          <br>
          </div>
          <?php endwhile; ?>
          </div>
          </div>
          </div>
       </div>
<script>
  // $('.card.alumni-list').click(function(){
       location.href = "index.php?page=view_alumni&id="+$(this).attr('data-id')
  // })
  $('.book-alumni').click(function(){
     uni_modal("Submit Booking Request","booking.php?alumni_id="+$(this).attr('data-id'))
  })
  $('.alumni-img img').click(function(){
     viewer_modal($(this).attr('src'))
  })
   $('#filter').keypress(function(e){
  if(e.which == 13)
     $('#search').trigger('click')
  })
  $('#search').click(function(){
     var txt = $('#filter').val()
     start_load()
     if(txt == "){
     $('.item').show()
     end_load()
     return false;
```

```
$('.item').each(function(){
    var content = "";
    $(this).find(".filter-txt").each(function(){
        content += ' '+$(this).text()
    })
    if((content.toLowerCase()).includes(txt.toLowerCase()) == true){
        $(this).toggle(true)
    }else{
        $(this).toggle(false)
    }
})
    end_load()
})
```

3.CAREERS

```
<?php
include 'admin/db_connect.php';
?>
<style>
#portfolio .img-fluid{
  width: calc(100%);
  height: 30vh;
  z-index: -1;
  position: relative;
  padding: 1em;
}
.gallery-list{
  cursor: pointer;
  border: unset;
flex-direction: inherit;
```

```
.gallery-img,.gallery-list .card-body {
  width: calc(50%)
}
.gallery-img img{
  border-radius: 5px;
  min-height: 50vh;
  max-width: calc(100%);
}
span.hightlight{
  background: yellow;
}
.carousel,.carousel-inner,.carousel-item{
  min-height: calc(100%)
}
header.masthead;header.masthead:before {
 min-height: 50vh !important;
    height: 50vh !important
  }
.row-items{
  position: relative;
}
.masthead{
    min-height: 23vh !important;
    height: 23vh !important;
   .masthead:before{
    min-height: 23vh !important;
    height: 23vh !important;
  }
</style>
<header class="masthead">
```

```
<div class="container-fluid h-100">
    <div class="row h-100 align-items-center justify-content-center text-center">
       <div class="col-lg-8 align-self-end mb-4 page-title">
         <h3 class="text-white">Job List</h3>
         <hr class="divider my-4" />
       <div class="row col-md-12 mb-2 justify-content-center">
            <button class="btn btn-primary btn-block col-sm-4" type="button"
id="new_career"><i class="fa fa-plus"></i> Post a Job Opportunity</button>
       </div>
       </div>
    </div>
  </div>
</header>
<div class="container mt-3 pt-2">
  <div class="card mb-4">
    <div class="card-body">
       <div class="row">
         <div class="col-md-8">
            <div class="input-group mb-3">
             <div class="input-group-prepend">
              <span class="input-group-text" id="filter-field"><i class="fa fa-</pre>
search"></i></span>
             </div>
             <input type="text" class="form-control" placeholder="Filter" id="filter" aria-</pre>
label="Filter" aria-describedby="filter-field">
            </div>
         </div>
         <div class="col-md-4">
            <button class="btn btn-primary btn-block btn-sm" id="search">Search</button>
         </div>
       </div>
```

```
</div>
  </div>
 <?php
  $event = $conn->query("SELECT c.*,u.name from careers c inner join users u on u.id =
c.user_id order by id desc");
  while($row = $event->fetch_assoc()):
    $trans = get_html_translation_table(HTML_ENTITIES,ENT_QUOTES);
    unset($trans["\""], $trans["<"], $trans[">"], $trans["<h2"]);
    $desc = strtr(html_entity_decode($row['description']),$trans);
    $desc=str replace(array("",""), array("",","), $desc);
  ?>
  <div class="card job-list" data-id="<?php echo $row['id'] ?>">
    <div class="card-body">
       <div class="row align-items-center justify-content-center text-center h-100">
         <div class="">
            <h3><b class="filter-txt"><?php echo ucwords($row['job_title']) ?></b></h3>
            <div>
            <span class="filter-txt"><small><b><i class="fa fa-building"></i> <?php echo</pre>
ucwords($row['company']) ?></b></small></span>
            <span class="filter-txt"><small><b><i class="fa fa-map-marker"></i> <?php echo</pre>
ucwords($row['location']) ?></b></small></span>
            </div>
            <hr>
            <larger class="truncate filter-txt"><?php echo strip_tags($desc) ?></larger>
            <br>
            <hr class="divider" style="max-width: calc(80%)">
            <span class="badge badge-info float-left px-3 pt-1 pb-1">
              <b><i>Posted by: <?php echo $row['name'] ?></i></b>
            </span>
            <button class="btn btn-primary float-right read_more" data-id="<?php echo</pre>
$row['id'] ?>">Read More</button>
         </div>
       </div>
```

```
</div>
  </div>
  <br>>
  <?php endwhile; ?>
</div>
</div>
<script>
  // $('.card.gallery-list').click(function(){
       location.href = "index.php?page=view_gallery&id="+$(this).attr('data-id')
  // })
  $('#new_career').click(function(){
  uni_modal("New Job Hiring","manage_career.php",'mid-large')
  })
  $('.read_more').click(function(){
     uni_modal("Career Opportunity", "view_jobs.php?id="+$(this).attr('data-id'), 'mid-large')
  })
  $('.gallery-img img').click(function(){
     viewer_modal($(this).attr('src'))
  })
  $('#filter').keypress(function(e){
  if(e.which == 13)
     $('#search').trigger('click')
  })
  $('#search').click(function(){
     var txt = $('#filter').val()
     start_load()
     if(txt == "){
```

```
$('.job-list').show()
     end_load()
     return false;
     $('.job-list').each(function(){
       var content = "";
       $(this).find(".filter-txt").each(function(){
          content += ' '+$(this).text()
       })
       if((content.toLowerCase()).includes(txt.toLowerCase()) == true){
          $(this).toggle(true)
       }else{
          $(this).toggle(false)
       }
     })
    end_load()
  })
</script>
4.FORUM
<?php
include 'admin/db_connect.php';
?>
<style>
#portfolio .img-fluid{
  width: calc(100%);
  height: 30vh;
  z-index: -1;
  position: relative;
  padding: 1em;
}
```

```
.gallery-list{
cursor: pointer;
border: unset;
flex-direction: inherit;
}
.gallery-img,.gallery-list .card-body {
  width: calc(50%)
}
.gallery-img img{
  border-radius: 5px;
  min-height: 50vh;
  max-width: calc(100%);
}
span.hightlight{
  background: yellow;
}
.carousel,.carousel-inner,.carousel-item{
 min-height: calc(100%)
```

8. SNAPSHOTS OF THE APPLICATION

Home Page

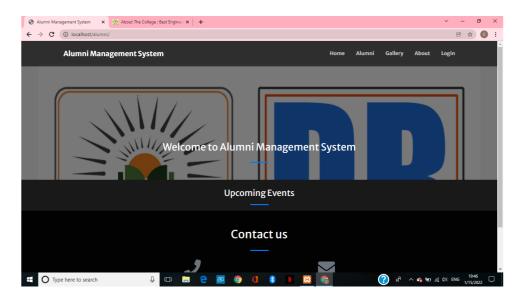


Fig.8.1 Home Page

Admin login page

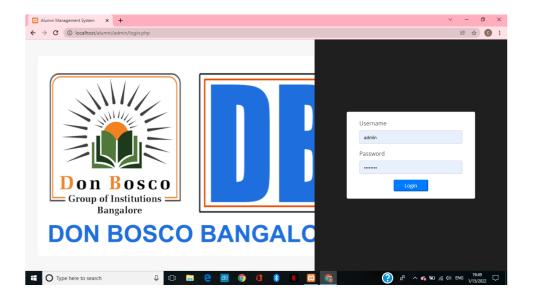


Fig. 8.2 Login Page

Account Creation

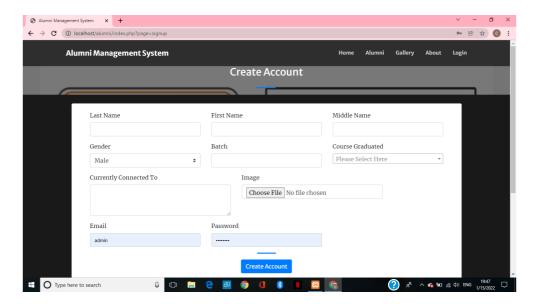


Fig. 8.3 Account Creation

Home Tab

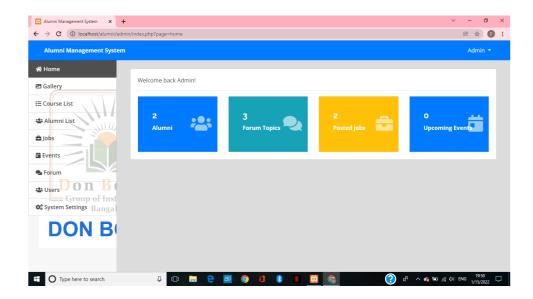


Fig. 8.4 Home Tab

Alumni List Tab

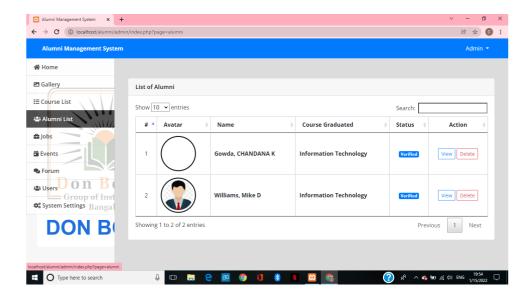


Fig. 8.5 Alumni List Tab

Jobs Tab

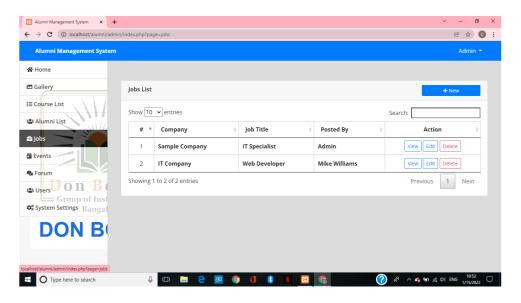


Fig. 8.6 Jobs Tab

Course List Tab

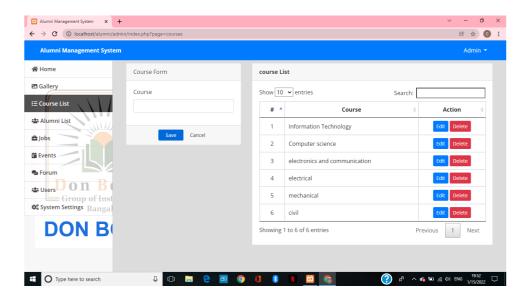


Fig. 8.7 Course List Tab

8. CONCLUSION

The Alumni Information Database is mainly used to share the views between the users of the application which is very useful to upgrade the knowledge of everyone. The application also serves as a useful site to know what is going on in our in ourcollege and can also know about the various opportunities of the outer world. The application can be further expanded by following the future Enhancements mentioned above.

9. REFERENCES

1. Reference books

- 1 Fundamentals of database system by Elmasri Ramez and Navathe
- 2 PHP and MYSQL development by Laura Thomas.

2. Reference websites

- 1. https://docs.oracle.com/javaee/5/tutorial/doc/bnajo.html
- 2. https://dev.mysql.com/doc/
- 3. https://www.w3schools.com/howto/default.asp
- 4. https://www.w3schools.com/bootstrap4/default.asp