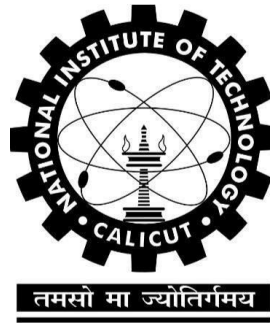


National Institute of Technology Calicut



Project Report on Conference Portal System

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1. ABSTRACT

Our project basically manages conferences. Conference Portal System aimed is to bring student-teacher fraternity of Departments of reputed NITs, IITs and other institutes across the nation under a single umbrella for exchange of ideas to spark innovation. The conference would serve as a platform to improve interaction and bridge the gap between faculty and students of different institutes. This conference portal system presents an excellent opportunity for students among various colleges to collaborate and form strong ties of technical expertise.

2. INTRODUCTION

The Conference portal , organized by the NIT-Calicut that provides a forum for national researchers and engineers from academia and industry to present and discuss the latest technological advances and research results in the fields of theoretical, experimental and applied to various fields. The Conference Portal System is also provides accommodation facilities for participants. This portal also responsible for displaying schedules, events with proper date, time and venue.

Portal for conference management is a web based solution, which allows an excellent opportunity for students among various NIT 's to collaborate and form strong bind of technical expertise. This conference system includes various entities are following students, Faculty and Administrator.

3 . REQUIREMENTS

3.1 FUNCTIONAL REQUIREMENTS

- 1.Before login to the system **participant** must be registered by providing details like name, email-id, contact ,institute , designation and many more.
- 2.Once the participant is successfully registered in to the portal than only the participant be legally authorized to join the conferencen.
- 3.The system can validates all the data that provides by participant at the time of registration.

3.2 SOFTWARE AND HARDWARE REQUIREMENTS

To develop web based application requirements are given below:

Hardware Requirement

Content	Description
HDD	10 GB Min 50 GB Recommended
RAM	1 GB Min 2 GB Recommended

Software Requirement

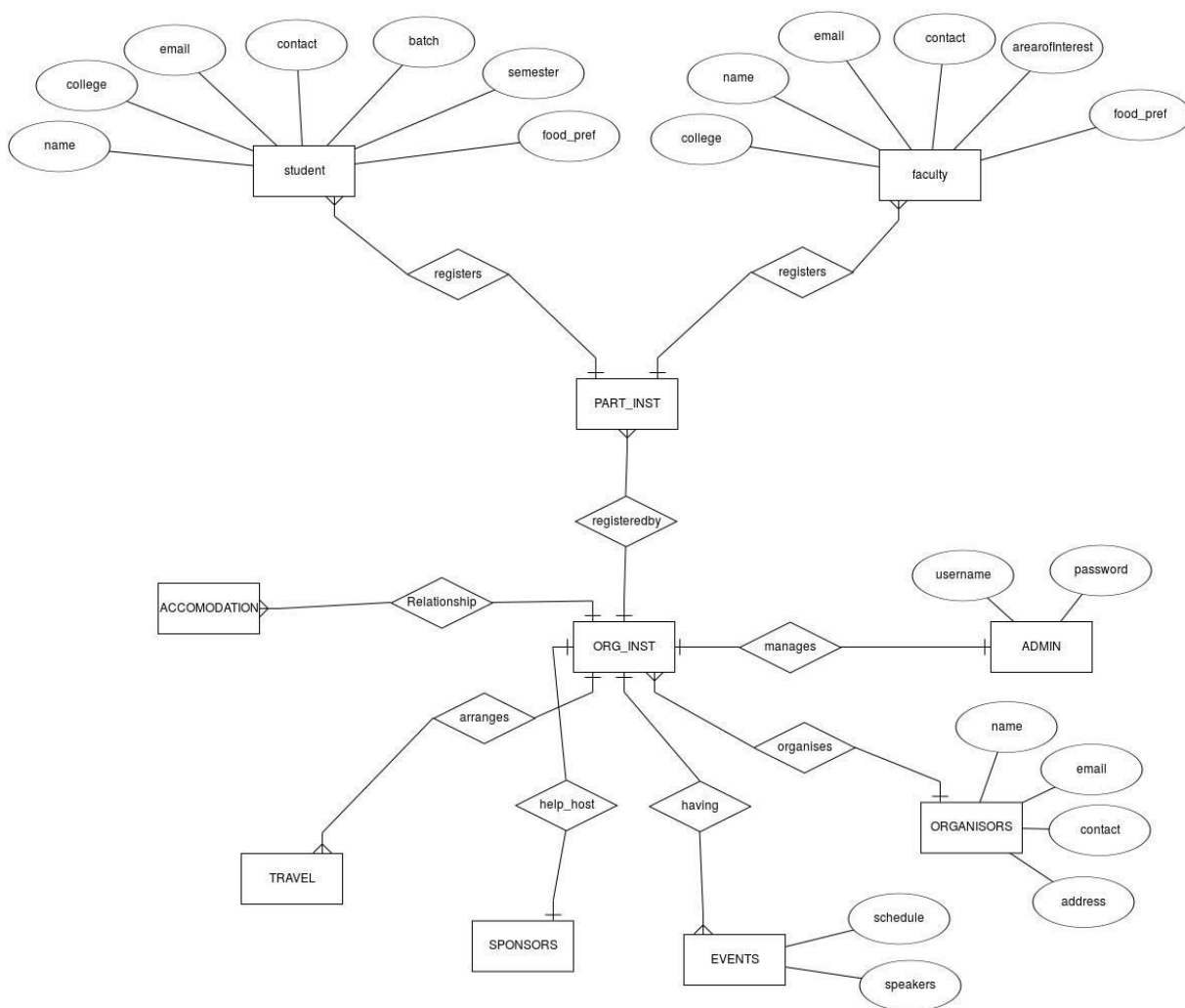
Content	Description
Technology	PHPMyAdmin ,HTML, CSS, Javascript
Database	Mysql
Operating System	Linux, Windows 7
Software	XAMPP ,Dreamviewer (version 2015)

4. DESIGN

FRONT END: HTML 5,CSS

BACK END : Mysql, Php

4.1 E-R Diagram



4.2 Database Details

Table name: Student

Column Name	Type	Valid Value	Index Column	Allow Null
Name	Varchar(40)			no
Institute	Varchar(40)			no
Email	Varchar(40)			no
Phone	int(10)			no
Programme	Varchar(40)			no
Current Semester	int(40)			no
Accompanying Faculty	Varchar(40)			no
Gender	Varchar(10)	Male, Female		no
Food Prefrence	Varchar(40)	Veg,Non-Veg		no

Table name: Faculty

Column Name	Type	Valid Value	Index Column	Allow Null
College	Varchar(40)			no
Name	Varchar(40)			no
Designation	Varchar(40)			no
Email	Varchar(40)			no
Phone	int(10)			no
Area of Interest	Varchar(40)			no
Gender	Varchar(40)	Male, Female		no
Food Preference	Varchar(10)	Veg,Non-Veg		no

Table name: Admin

Column Name	Allow Null	Type
Username	no	Varchar(40)
Password	no	Varchar(40)

Table name: Speaker

Column Name	Allow Null	Type
Id	no	Int(10)
Name	no	Varchar(40)
Email	no	Varchar(40)
contact	no	Int(40)
Sex	no	Varchar(40)
Paper	no	Varchar(40)

5. Implementation:

The most difficult part of my project was validation. The main problem was the validation for various fields at the time of participant registration. It was difficult because in it we have to check all the various types of inputs provides by the participants. For example, contact number field must consist of exactly 10 digits if not so then the message '**Invalid mobile number**'. For it we had done lot of search over internet. After a lot of searching, we got a an idea of JavaScript validation.Hence we overcome from these difficulties. We have learn lot of things in HTML 5 and php/ mysql.

Contact (HTML Code)

```
<tr>  
<td>CONTACT</td>
```

```
<td><input id ="contact" type="text" name="phone" placeholder="Enter  
The Mobile Number" pattern="[0-9]{10}" required class="form-  
control"></td>  
</tr>
```

Contact (Javascript Validation)

```
<script>  
    function check_val()  
    {  
        Var  
            a=document.getElementByL  
            d('contact').value;  
            if(/[0-9]{10}/.test(a))  
                return  
                true;  
            else  
            {  
                alert("Invalid Phone Number ");  
                document.getElementById('contact').style.bo  
                rder = "2px solid red"; return false;  
            }  
        }  
</script>
```


Register Code

(HTML)

```
<html> <body>
    <form action="faculty.php" method="post">
    <p><b>Faculty Registration</b></p><br/><br/>
NAME:<input type="text" name="name" placeholder="Enter The Name" required><br/><br/>
INSTITUTE:<select name="institute" placeholder="Select College"><br/><br/>
    <option>National Institute Of Techonology Warangal</option>
    <option>National Institute Of Techonology Calicut</option>
    <option>National Institute Of Techonology Trichy</option>
    <option>National Institute Of Techonology Surathklal</option>
    <option>National Institute Of Techonology Krukshetra</option>
    <option>National Institute Of Techonology Bhopal</option>
    <option>National Institute Of Techonology Jameshedpur</option>
    <option>National Institute Of Techonology Rourkela</option>
    <option>National Institute Of Techonology Goa</option>
    <option>National Institute Of Techonology Hamirpur</option>
    <option>National Institute Of Techonology Jaipur</option>
    <option>National Institute Of Techonology Mizrom</option>
    <option>National Institute Of Techonology Patna</option>
    <option>National Institute Of Techonology Warangal</option>
    <option>National Institute Of Techonology Nagaland</option><br/>
    <option id="others_institute">Other</option><br/> </select><br/><br/>
    <input type="text" id="others_institute"><br/> <br/>
SEX:<input type="radio" name="gender" value="Male" pattern="Male">Male
    <input type="radio" name="gender" value="Female" pattern="Female"
id="check_gender">Female<br/><br/>
DESIGNATION:<select name="designation" placeholder="Enter The Designation" required>
    <option>Professor</option>
    <option>Assitant      Professor</option>
    <option>Associate      Professor</option>
    <option>Others</option><br/><br/>
    </select><br/><br/>
    Others:<input type="text" id="desig" name="designation"><br/><br/>
CONTACT<input id ="contact" type="text" name="phone" placeholder="Enter The Mobile Number" pattern="[0-9] {10}"
required><br/><br/>
EMAIL:<input type="email" name="email" placeholder="Enter The Email"
required><br/><br/>
AREA:<input type="text" name="area" placeholder="Enter The Area Of Interest">
required><br/><br/><br/>
FOOD PREFERENCES:<select name="food_pref" required><br/>
    <option>Vegetarian</option>
    <option>Non-Vegetarian</option>
    </select><br/><br/>PROGRAM:<select name="program" >
```

```

        <option>MCA</option>
        <option>Phd</option>
        <option>MTECH</option>
        <option>Btech</option>
        <option id="others_program">Others</option><br/>
    </select>
    Others:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="text"
    id="others_program" pattern="[a-zA-Z]{5,20}"><br/>
    <button type="submit" name="faculty_egister" onclick="return
    check_val();">submit</button>
</form>
</html>

```

(PHP code for registration)

```

<?php
error_reporting(E_ALL);

$name=$_POST['name'];
$institute=$_POST['institute'];
$sex=$_POST['gender'];
$designation=$_POST['designation'];
$phone=$_POST['phone'];
$email=$_POST['email'];
$area=$_POST['area'];
$food=$_POST['food_pref'];
$program=$_POST['program'];
$con=new mysqli("localhost","root","nsi","cps");
if($con){
if($sex=="Male" || $sex=="Female"){
    $sql="insert into faculty
values('','$name','$institute','$sex','$designation','$phone','$email','$area','$food','$program')";
;

    if($con->query($sql))
        echo '<script>alert("DATA INSERTED SUCCESSFULL")</script>';
    else
        echo '<script>alert(" NOT INSERTED SUCCESSFULL")</script>';

    }
else{
    echo "<script>alert('Select Gender')</script>";
    }
}
else{echo "cant connect";}

```

?>

6. Testing

Functional Testing : Unit Testing:

Unit Testing is a software testing method by which individual units of source `code` tested to determine whether they are fit for use.

We provide various inputs to registration form.

- All the fields must be valid entries.
- No field of form is NULL.
- If any of mandatory field is empty or invalid then there is a message show to user.

For Example,

In registration form , contact number is a field and it must be valid 10 digit number. If there is an Invalid contact number than proper alert message is displayed to the used.

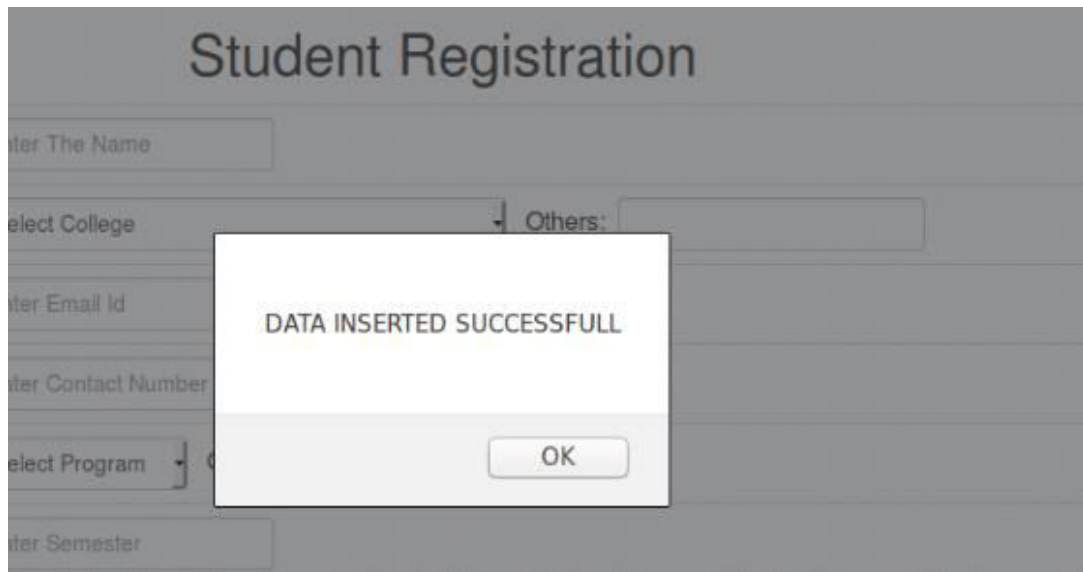
Testing Of Student Registration Form

Student Registration

Name	<input type="text" value="Mayank kumar"/>	
Institute Name	<input type="text" value="National Institute Of Techonology Trichy"/>	Others: <input type="text"/>
Email	<input type="text" value="nksingh0201@gmail.com"/>	
Phone	<input type="text" value="9999897954"/>	
PROGRAM	<input type="text" value="MCA"/>	Others: <input type="text"/>
Semester	<input type="text" value="6"/>	
Accompanying Faculty	<input type="text" value="Ravneet"/>	
FOOD PREFERENCES	<input type="text" value="Vegetarian"/>	
<input type="button" value="Submit"/>		

[Back to home page](#)

Data Submitted Successfully



Data in Student Table(Database)

andromeda.nitc.ac.in/~m140366ca/CPS_DC/admin/admin.php

php.ini path ubuntu

Logout

Students Details								
Serial No.	Student Name	email Id	Contact	Semester	Program	Institute	Accompanying Faculty	Food Preference
1	saur1234	nk71083@gmail.com	9988776655	3	Phd	National Institute Of Technonology Calicut	0	0
2	mayank	nk71083@gmail.com	9988776655	3	MTECH	National Institute Of Technonology Calicut	0	0
4	MAYANK	mayank.mca@yahoo.com	9988776655	3	master	IIT	0	0
8	Mayank	nk Singh0201@gmail.com	9999897954	6	MTECH	National Institute Of Technonology Bhopal	Ravneet	Non-Vegetar
9	Mayank kumar	nk Singh0201@gmail.com	9999897954	6	MCA	National Institute Of Technonology Trichy	Ravneet	Vegetarian

Data successfully inserted in data base.

Validation for Call for paper.

Paper Submission for Real-time Stream and processing techniques and Algorithms

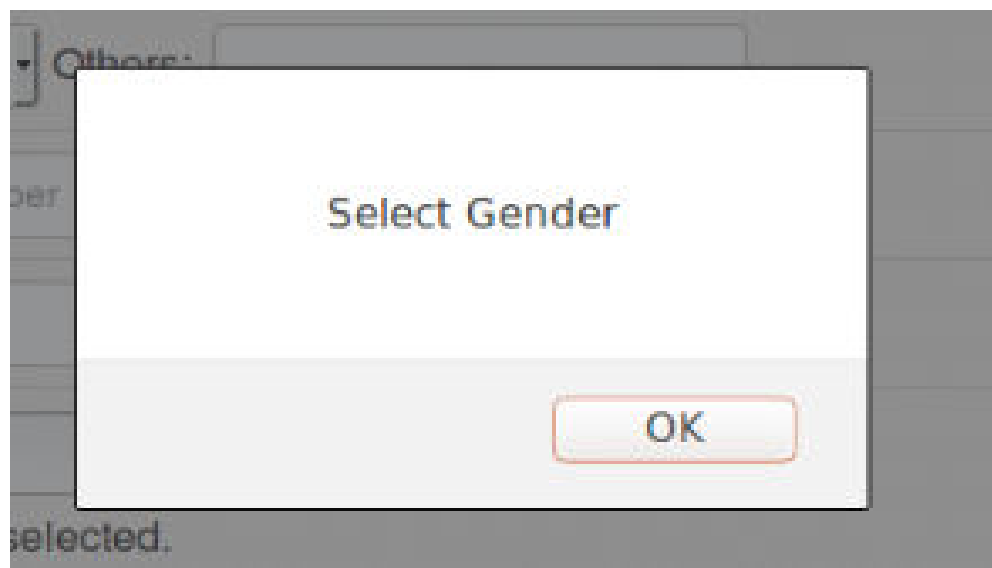
Name	Mayank kumar
Sex	<input type="radio"/> Male <input type="radio"/> Female
Designation	Associate Professor Others: <input type="text"/>
Contact	999897954
Email	mayank.mca@yahoo.com
Submit Paper	<input type="text"/> <input type="button" value="Browse..."/> No file selected.
<input type="button" value="Submit"/>	

Back

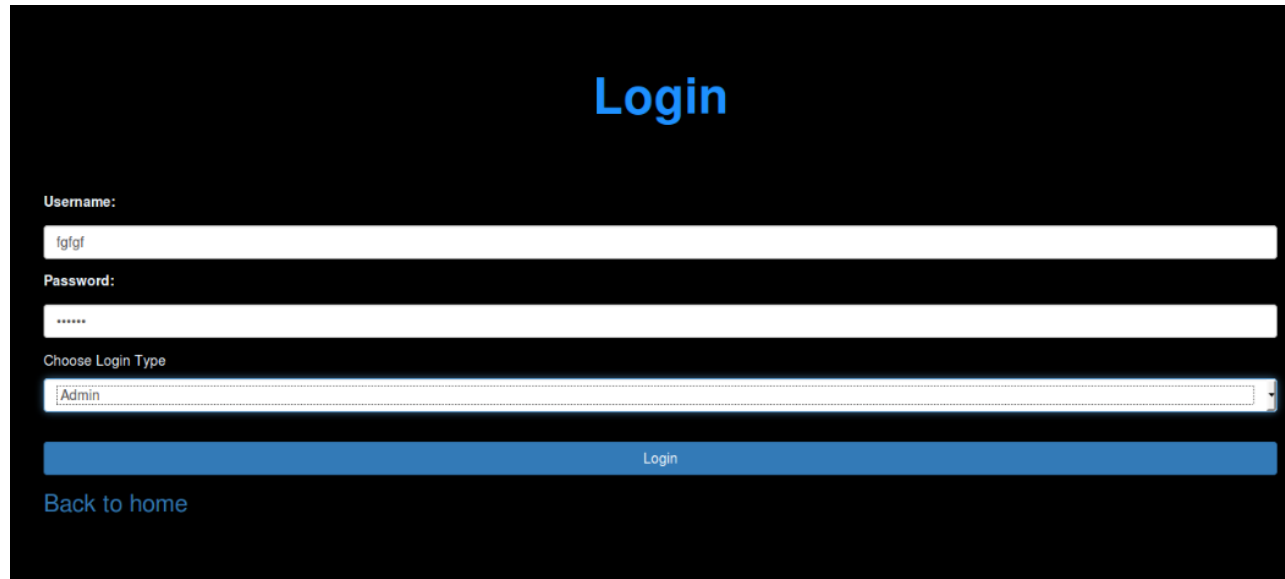
Here, User did not selected gender

Select Appropriate Gender

Appropriate message is displayed to User

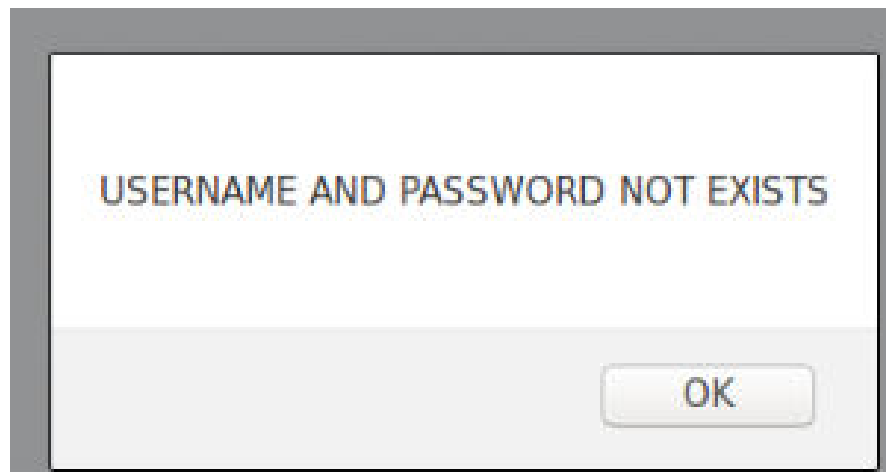


Testing Of Admin Module



The image shows a login form with a dark blue background. At the top center, the word "Login" is displayed in a large, bold, light blue font. Below this, there are three input fields: a "Username:" field containing the text "lgfgl", a "Password:" field with masked characters "*****", and a "Choose Login Type" dropdown menu currently set to "Admin". Below these fields is a wide, light blue button labeled "Login". At the bottom left of the form, there is a link that says "Back to home" in a light blue font.

Invalid Credentials Not Allowed



7. Conclusion and Further Work

This web based application is managing conferences for the NIT-Calicut in methodological fashion. Functionalities provides by conference portal are following participant can register for conferences, participants can view accommodations and book as per their convient.

At this time this application is working only for national conferences. There is no option for international research participants. So we can extend this application.

8. References

1. <http://ismac2017.com/index.html>
2. <https://iroglobal.com/events/icis.php#>
3. http://www.tutorialspoint.com/php/php_and_mysql.h
4. <http://cloudasia.asia/icccri-2017.html>
5. <http://cscan.org.in/>