

Event Management System

A Project Report

submitted in partial fulfillment of the requirements
of
Applied Cloud Computing with software development

by

Shalini S, 822720104034

Sinduja B, 82272010435

Sowbarnika S, 822720104039

Vijayalakshmi V, 822720104049

Under the Esteemed Guidance of

Mrs.R.Umamaheshwari

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ABSTRACT

This project deals with the Event-management system that is implemented in a website and is capable of providing all the important access to both the student and faculty in an institution. It helps faculty to create or delete an event. The student is able to view the created events and register for the same. The student can upload the certificate of the registered event and faculty can view the student report and download the student certificates in the system. This project will minimize office-work and man power hence providing a untroubled way of managing events in a college. The reason of making this website is to digitalize the techniques involved in hosting activities, additionally it can be accessed anytime and anywhere.

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CHAPTER 1

INTRODUCTION

This paper is aimed at developing an application for event management system. The event management system is an online event management system software project that serves the functionality of an event manager. The system allow registered user login and new user are allowed to register on the application. The system helps in the management of events, users and the aspects related to them. This proposed to be a web application. User needs to Login at the initial phase, set his/her profile details including location, choices, email-id, etc. User can modify or change his/her profile at any stage. All the data is logged in the database.

1.1. Problem Statement:

It is difficult to keep track of events happening in an organization, staying updated and reading out reports of individual event is puzzling. It also includes numerous paper works and cooperation of many team members which may be hard to manage. Apart from these keeping track of events and registrations is also difficult.

1.2. Problem Definition:

The goal of this application is to develop a system that correctly manages all the information related to the numerous occasions that takes place in an institution. The purpose is to keep a centralized database of all occasion associated statistics. The goal is to assist numerous features and techniques essential to control the information correctly.

1.3. Expected Outcomes:

- The faculty and students can signup and login into their account.
- The faculty can create an event and student can apply to it. After that event completion, the student has to upload the certificate in their account using their login id and password.
- The faculty can see the students event report in their account.

CHAPTER 2

LITERATURE SURVEY

Introduction:

Event management systems are like smart assistants for organizing events. They use technology to make planning and running events easier. This literature survey looks at how these systems have evolved and become important in today's event world.

Historical Development:

In the past, people planned events manually. Now, with digital tools, event planning has become faster and more flexible. We'll explore how these systems changed over time.

Types of Event Management Systems:

There are different kinds of event management systems, like online platforms or software. Each type helps with specific things, such as managing registrations, engaging attendees, and analyzing how an event went.

Challenges in Event Management:

Even though event management systems are helpful, they face challenges like keeping data safe, handling a lot of information, and adapting to different situations. Overcoming these challenges is crucial for these systems to work well.

Technological Trends:

New technologies, like artificial intelligence and the Internet of Things, are making event management even better. They enhance the experience for attendees, make planning smoother, and give organizers useful information in real-time.

CHAPTER 3

PROPOSED METHODOLOGY

It is difficult to keep track of events happening in an organization, staying updated, allowed to give feedback and reading out reports of individual event is puzzling. Hence this Event Management System will allow an institute to manage all of this task in one central portal. This project is an Event management portal that is implemented on a website. This challenge offers characteristic of remotely developing, removing, statistics retrieval, modifying of events and many different functions. This project is efficient in providing all the important access to both the faculty and student related to a particular event.

3.1 System Design

3.1.1 System Architecture:

Our EMS has a simple structure. It consists of three main components: a user interface, a processing engine, and a database. The user interface is what people see and interact with, the processing engine handles the behind-the-scenes work, and the database stores all the important information.

3.1.2 User Roles:

There are three main user roles in our system: Event Organizers, Attendees, and Administrators. Event Organizers can create and manage events, Attendees can register for events, and Administrators oversee the entire system, ensuring everything runs smoothly.

3.1.3 Features:

The faculty can create an event and student can apply to it. After that event completion, the student has to upload the certificate in their account using their login id and password. The faculty can see the students event report in their account.

3.1.4 Data Management:

All the information about events, users, and feedback is stored in our secure database. This ensures that data is organized, easily accessible, and protected from unauthorized access.

3.1.5 User Interface and Experience:

Our user interface is designed to be user-friendly and visually appealing. We've focused on simplicity, ensuring that users can navigate the system with ease. A clean design enhances the overall user experience, making the event planning process enjoyable.

3.2 Modules Used

3.2.1 Homepage:

The main page where users land when they visit the event management system. It provides a snapshot of featured or upcoming events and serves as the starting point for navigation.

Features: Quick Access to Popular Actions (e.g., Sign In, Sign Up, Explore Events)

3.2.2 Event Page:

The detailed page for a specific event. It contains all the information about the event, such as date, time, location, and registration details.

Features: Event Details, Registration Information

3.2.3 Add Event:

A section where event organizers can create and manage their events. This is where they input all the necessary details for their upcoming event.

Features: Event Title, Date, and Time, Venue Details, Registration Options, Event Description

3.2.4 Signup:

The page where new users can create an account by providing necessary information. This is the process of registering for the event management system.

Features: User Registration Form

3.2.5 Signin:

The login page for users who already have an account. It's the gateway for users to access their profiles and manage events.

Features: User Login Form, Forgot Password Option

3.2.6 Student Profile:

The individual page for student profiles, offering a personalized space for students to manage their information and showcase their event-related achievements.

Features: Personal Information (Name, Contact), Events Attended, Uploaded Event Certificates

3.2.7 Teacher Profile:

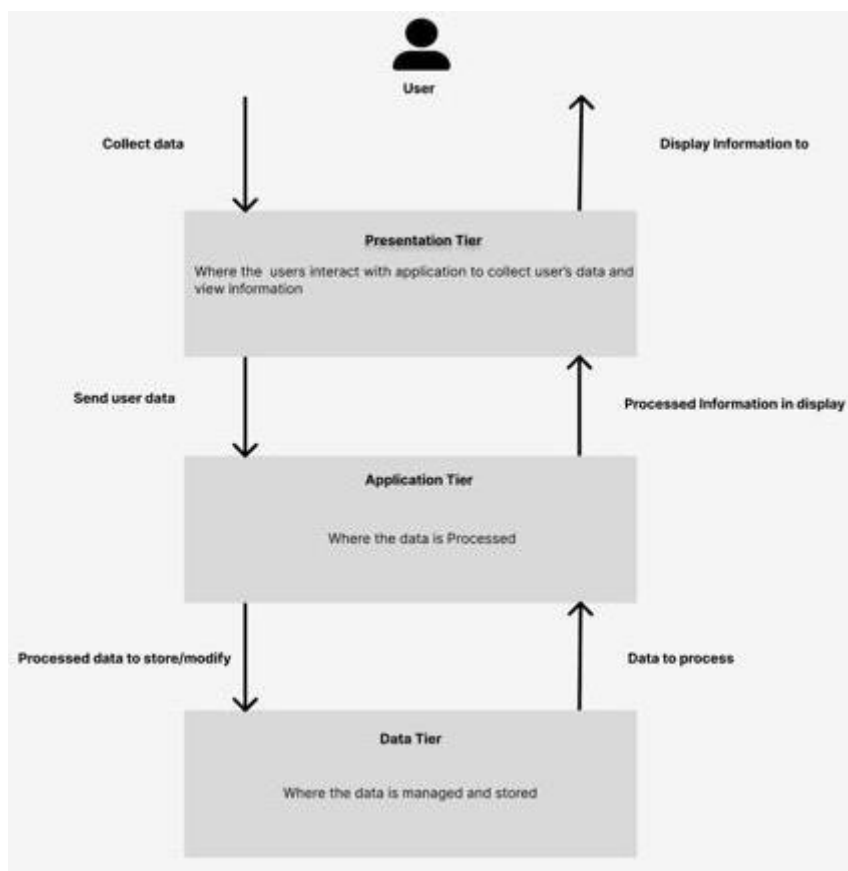
Similar to the student profile, the teacher profile page provides a space for faculty to view and manage their information, including reports on student activities.

Features: Personal Information (Name, Contact), Events Hosted, View Reports on Student Activities

3.3 Data Flow Diagram

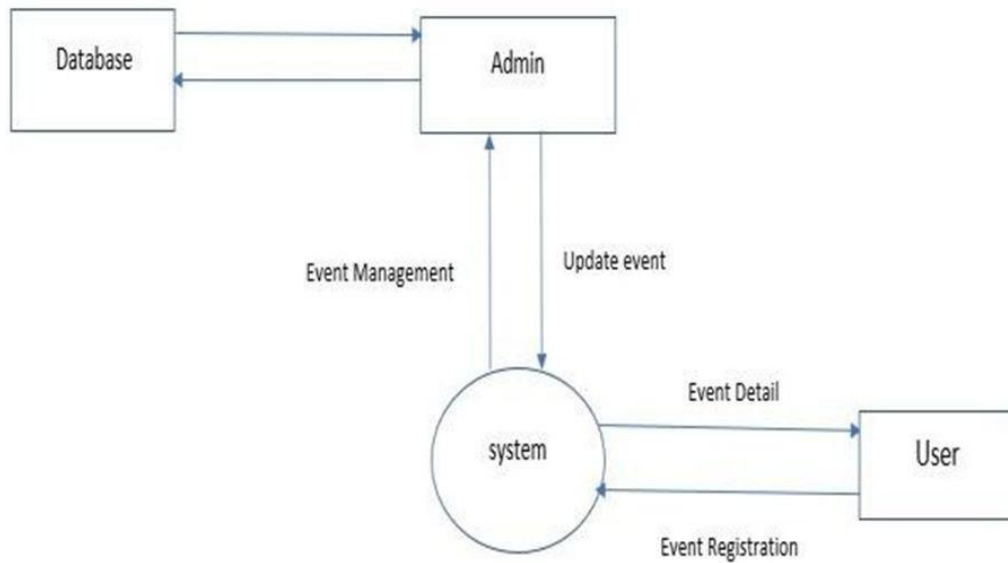
A Data Flow Diagram (DFD) is a graphical representation of the "flow" of data through an information system, modeling its process aspects. A DFD is often used as a preliminary step to create an overview of the system, which can later be elaborated. DFDs can also be used for the visualization of data processing (structured design).

System Architecture

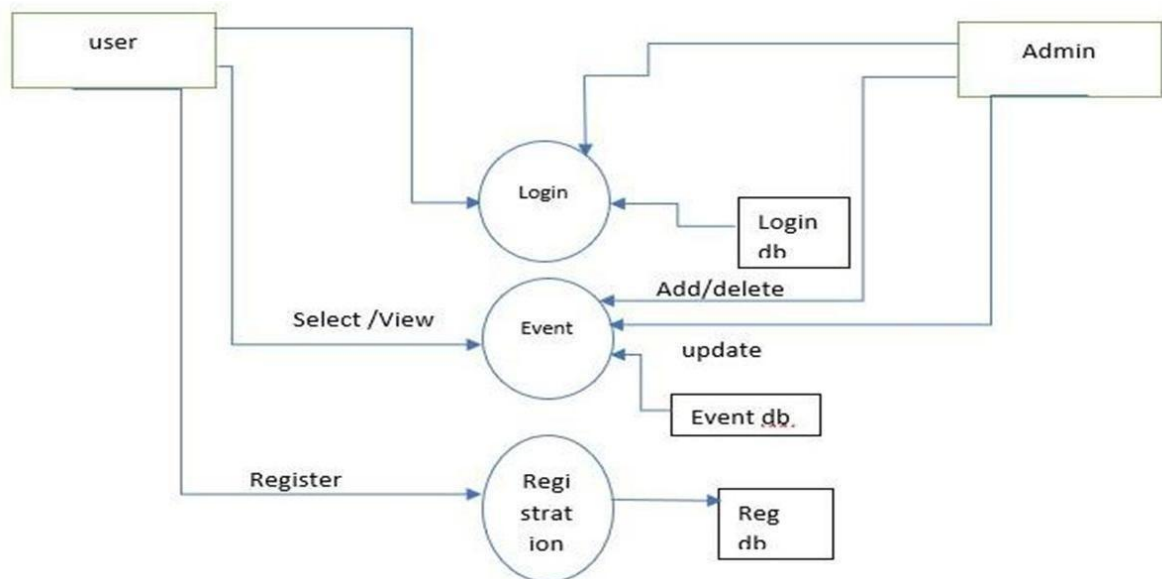


EVENT MANAGEMENT SYSTEM

DFD Level 0:



DFD Level 1:



3.4 Advantages

Easy Planning: Makes planning events much easier by handling all the details in one place.

User-Friendly: Simple and easy for people to use, making it a pleasant experience for both organizers and attendees.

All Information in One Place: Keeps all event-related information organized and easily accessible.

Quick Updates: Provides instant updates on any changes or important announcements related to the event.

Better Communication: Helps organizers and participants communicate effectively, whether through messages or announcements.

Accessible Anywhere: Can be accessed from anywhere with an internet connection, making it convenient for people all around the world.

3.5 Requirement Specification

3.5.1. Hardware Requirements:

WINDOWS 10, INTEL CORE i3

3.5.2 Software Requirements:

FRONT END: HTML, CSS, Javascript, JQuery

BACKEND: PHP, MySQL

CHAPTER 4

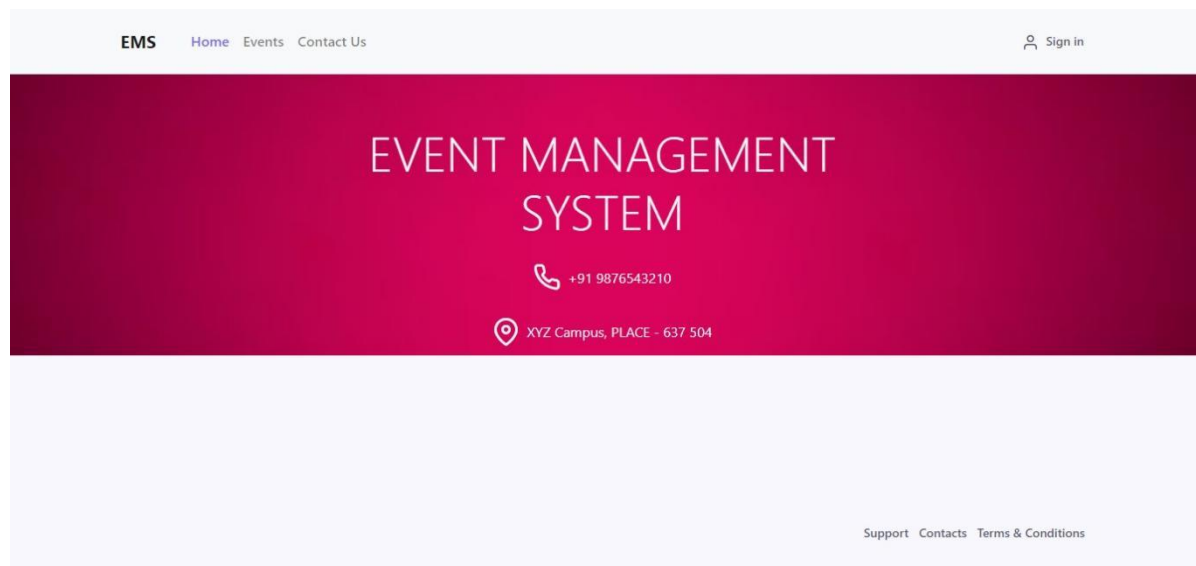
IMPLEMENTATION and RESULT

IMPLEMENTATION:

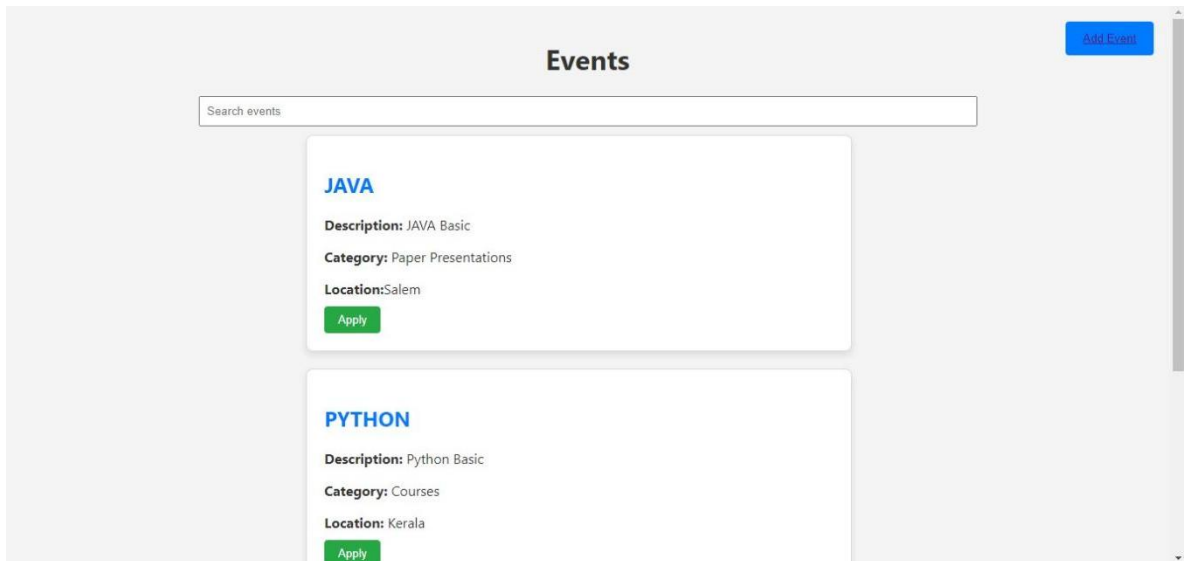
This Event Management System is developed using PHP, MySQL, Bootstrap, Javascript, and jQuery. This project specially developed for an institute. In this Project,

- ❖ The faculty and students can signup and login into their account.
- ❖ The faculty can create an event and student can apply to it. After that event completion, the student has to upload the certificate in their account using their login id and password.
- ❖ The faculty can see the students event report in their account.

4.1 Home Page



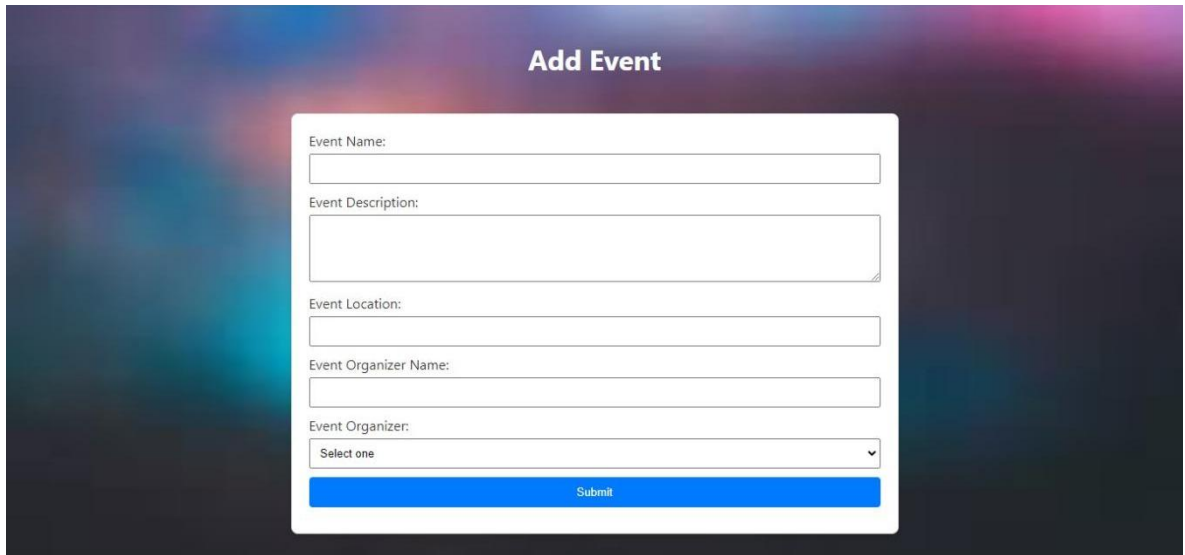
4.2 Event Page



The screenshot displays the 'Events' page of an event management system. At the top right, there is a blue 'Add Event' button. Below the title 'Events', there is a search bar labeled 'Search events'. The page lists two events in a vertical stack:

- JAVA**
Description: JAVA Basic
Category: Paper Presentations
Location: Salem
Apply (green button)
- PYTHON**
Description: Python Basic
Category: Courses
Location: Kerala
Apply (green button)

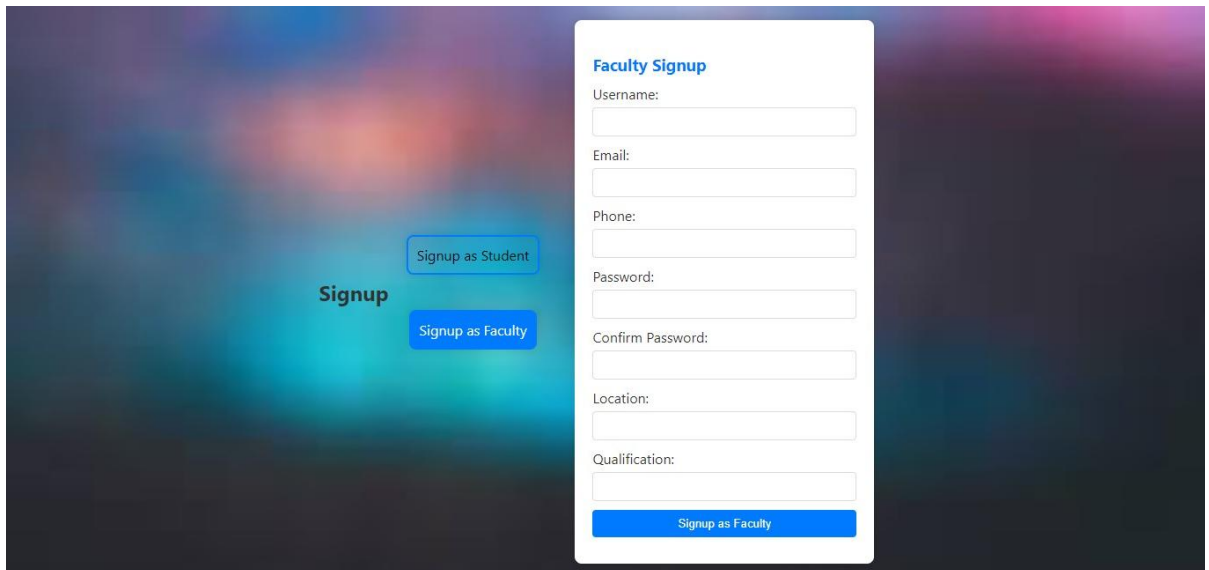
4.3 Add Event Page



The screenshot shows the 'Add Event' page with a form for creating a new event. The form is centered on a dark background with a colorful bokeh effect. The form fields are:

- Event Name:** (text input)
- Event Description:** (text area)
- Event Location:** (text input)
- Event Organizer Name:** (text input)
- Event Organizer:** (dropdown menu with 'Select one' as the placeholder)
- Submit** (blue button)

4.4 Signup



The image shows a 'Faculty Signup' form on a dark background with a colorful bokeh effect. The form is titled 'Faculty Signup' in blue. It includes input fields for Username, Email, Phone, Password, Confirm Password, Location, and Qualification. There are two buttons: 'Signup as Student' and 'Signup as Faculty'.

Signup

[Signup as Student](#)

[Signup as Faculty](#)

Faculty Signup

Username:

Email:

Phone:

Password:

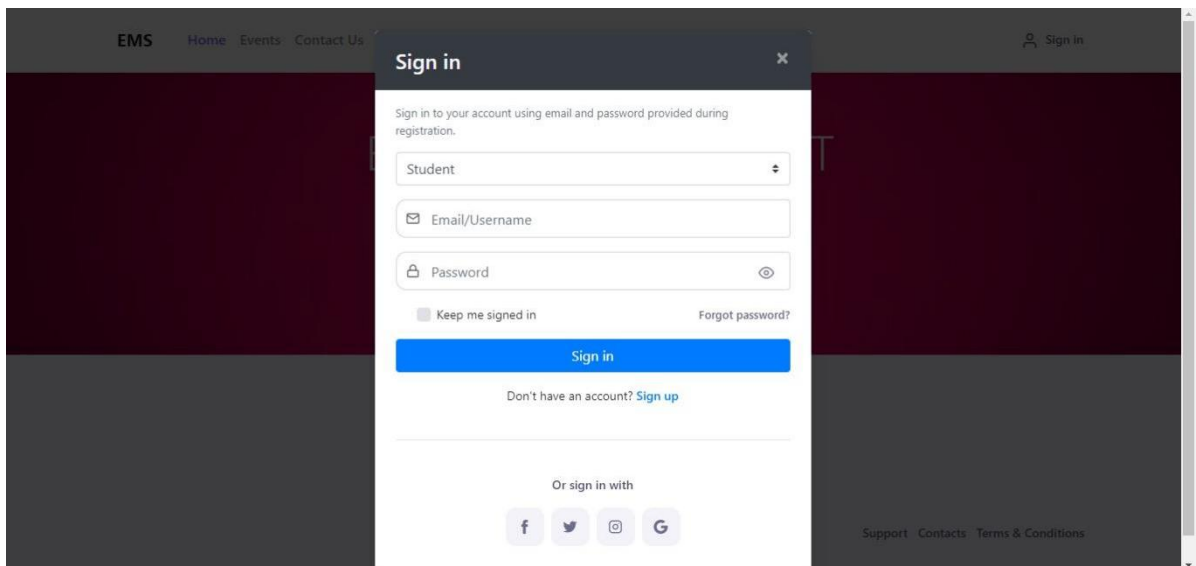
Confirm Password:

Location:

Qualification:

[Signup as Faculty](#)

4.5 Signin



The image shows a 'Sign in' form on a dark background. The form is titled 'Sign in' in white. It includes input fields for Email/Username and Password. There is a checkbox for 'Keep me signed in' and a link for 'Forgot password?'. There is a blue 'Sign in' button. Below the button, there is a link for 'Don't have an account? Sign up'. At the bottom, there is a section for 'Or sign in with' with social media icons for Facebook, Twitter, Instagram, and Google+. The background features a dark red and black gradient.

Sign in

Sign in to your account using email and password provided during registration.

Student

Email/Username

Password

☐ Keep me signed in [Forgot password?](#)

[Sign in](#)

Don't have an account? [Sign up](#)

Or sign in with

[f](#) [t](#) [i](#) [G](#)

[Support](#) [Contacts](#) [Terms & Conditions](#)

4.6 Student Profile

The screenshot shows the 'Student Profile' page of the EMS system. The page has a blue header with 'EMS', 'Home', and 'Event' links. On the left, a sidebar for user 'Max' (Computer Science Engineering, Final Year) contains links to 'Dashboard', 'Profile info', and 'Sign out'. The main content area is titled 'Profile info' and includes a 'Delete account' link. The profile details are as follows:

Field	Value
Student Name	Max
Year	4
Email address	max@gmail.com
Username	@ Max
Gender	Male
Phone No	9876543323
Date of Birth	07/06/2000
Address	Chennai

4.7 Contact Page

The screenshot shows a 'Contact Us' form with the following fields:

- Name:
- Email:
- Subject:
- Message:

A green 'Submit' button is located at the bottom of the form.

4.8 Sample DB

Server: 127.0.0.1 » Database: event_mgmt » Table: dept_event

Showing rows 0 - 2 (3 total, Query took 0.0017 seconds.)

`SELECT * FROM `dept_event``

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	fe_id	fe_name	fe_desc	fe_activity	fe_topic	fe_venue	fe_s_date	fe_e_date	fe_year	fe_fac_hash
<input type="checkbox"/> Edit Copy Delete	3	Event 1	Description of Event 1	Paper Presentations	JAVA Basic	Salem	2021-04-27	2021-04-29	2021-2022	QVBuVGxqTIV2VnZ0L21mT3EvN28vc
<input type="checkbox"/> Edit Copy Delete	4	Event 2	Description of Event 2	Courses	Python Basic	Kerala	2021-04-30	2021-05-08	2021-2022	b1pYDMzN25YczVsVDhQam54V1Zo
<input type="checkbox"/> Edit Copy Delete	5	Event 3	Description of Event 3	STTP	C++ Basic	Chennai	2021-04-29	2021-05-08	2021-2022	WlkxQlszSmtYZUhaYIIQL3IJdTFZYTZL

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Console | Database | Event | Display sheet | Create table | ...

Bookmarks Options History Clear

CHAPTER 5

CONCLUSION:

In this 'Event Management System', project we tried to effectively introduce the idea of event management systems which already exist. We then introduced the concept of on-line event management systems which helps in managing the events through on-line for an institution. The developed project helps in search of the events, generating and retrieving the information for the respected requests. This project can be further polished and extended by introducing new and more innovative features.

SCOPE:

This web based application system can be implemented in hotels, clubs for booking events. The system can also be used as software to promote the entire booking places. The user gets all the resources at a single place instead of wondering round for these. This system is effective and saves time and cost of the user.

GITHUB LINK: <https://github.com/vsviji/EMS/tree/main>

VIDEO LINK: [Video](#)

REFERENCES

- [1]. Paper on 'Study on Event Management Applications' by International Journal of Innovative Science and Research Technology Volume 2, Issue 4, April–2017
- [2]. Prof. Khalil Pinjari and Khan Nur, "Smart Event Management System".
- [3]. Paper on Volunteer tools by IEEE Paper on 'COLLEGE EVENT MANAGEMENT SYSTEM' International journal of Innovative Science and Research Technology Volume: 07 Issue: 03 | Mar 2020

APPENDIX

A Glossary of Terms

This section provides a glossary of key terms and acronyms used throughout the Event Management System documentation.

Event: A planned occasion, such as a conference, meeting, or celebration.

EMS: Event Management System.

B. System Architecture

Overview of the technical architecture, including diagrams and component descriptions.

C. User Guides

Step-by-step guides for different user roles:

D.1 Organizer Guide: Event creation and management guidelines for organizers.

D.2 Participant Guide: Registration and participation instructions for event attendees.

D. Certificate Upload Module

Documentation specific to the Certificate Upload Module:

D.1 Overview: Explanation of the certificate upload feature and its purpose.

D.2 User Instructions: Step-by-step guide for participants on uploading event-related certificates.

D.3 Administrator Configuration: Instructions for administrators to manage and customize the certificate upload module.

E. Attendee Feedback Module

E.1 Overview: Collection and analysis of attendee feedback.

E.2 Reporting: How organizers can access and utilize feedback data.

SAMPLE CODE

Event.php

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Events - Event Management System</title>

  <style>

    body {

      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

      margin: 20px;

      background-color: #f4f4f4;

      color: #333;

      display: flex;

      flex-direction: column;

      align-items: center;

    }

    .event {

      margin-bottom: 20px;

      padding: 20px;

      border: 1px solid #ddd;

      border-radius: 8px;

      background-color: #fff;

      box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

      width: 45%;
```

```
float: left;

margin-right: 20px;
}

h2 {
    color: #007bff;
}

p {
    margin-bottom: 10px;
}

.apply-btn {
    background-color: #28a745;
    color: #fff;
    padding: 8px 16px;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

.add-event-btn {
    background-color: #007bff;
    color: #fff;
    padding: 12px 20px; /* Increased padding for a more attractive look */
    border: none;
    border-radius: 4px;
    cursor: pointer;
    position: absolute;
    top: 20px;
```

```
        right: 20px;
    }
    .add-event-btn:hover {
        background-color: #0056b3;
    }
    .apply-form {
        display: none;
        margin-top: 20px;
    }
    label {
        display: block;
        margin-bottom: 5px;
    }
    input {
        width: 100%;
        padding: 8px;
        margin-bottom: 10px;
        box-sizing: border-box;
    }
    input[type="submit"] {
        background-color: #007bff;
        color: #fff;
        cursor: pointer;
    }
    input[type="submit"]:hover {
        background-color: #0056b3;
```



```

    }

    input[type="search"] {

        width: 900px;

        padding: 8px;

        margin-bottom: 10px auto !important;

        box-sizing: border-box;

    }

</style>

</head>

<body >

<button          class="add-event-btn"          onclick="toggleAddEventForm()"><a
href="addevent.php">Add Event</a></button>

<h1 style="text-align: center">Events</h1>

<!-- Search Bar -->

<input      type="search"      id="eventSearch"      placeholder="Search      events"
oninput="filterEvents()">

<?php

// Database connection details

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "event_mgmt";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

```

```
// Check connection

if ($conn->connect_error) {

    die("Connection failed: " . $conn->connect_error);

}


// Fetch events from the database

$sql = "SELECT * FROM events";

$result = $conn->query($sql);


// Display events

if ($result->num_rows > 0) {

    while ($row = $result->fetch_assoc()) {

        ?>

        <div class="event">

            <h2><?php echo $row["eventName"]; ?></h2>

            <p><strong>Description:</strong> <?php echo $row["eventDescription"]; ?></p>

            <p><strong>Location:</strong> <?php echo $row["eventLocation"]; ?></p>

            <p><strong>Event Organizer Name:</strong> <?php echo $row["eventOrganizer"]; ?></p>

            <p><strong>Added By:</strong> <?php echo $row["organizer"]; ?></p>

            <button class="apply-btn" onclick="toggleApplyForm('apply-form-<?php echo $row["eventId"]; ?>')">Apply</button>

            <div class="apply-form" id="apply-form-<?php echo $row["eventId"]; ?>">

                <form method="post" action="apply.php">
```

EVENT MANAGEMENT SYSTEM

<label for="name">Name:</label>

<input type="text" name="name" required>

<label for="phone">Phone No:</label>

<input type="tel" name="phone" required>

<label for="department">Department:</label>

<input type="text" name="department" required>

<label for="year">Year:</label>

<input type="text" name="year" required>

<input type="submit" value="Submit">

</form>

</div>

</div>

<?php

}

} else {

 echo "No events found.";

}

// Close the database connection

\$conn->close();

?>

```
<script>

function toggleApplyForm(formId) {

    var form = document.getElementById(formId);

    form.style.display = form.style.display === 'none' ? 'block' : 'none';

}

function filterEvents() {

    var searchInput = document.getElementById('eventSearch').value.toLowerCase();

    var events = document.querySelectorAll('.event');

    events.forEach(function (event) {

        var eventName = event.querySelector('h2').innerText.toLowerCase();

        if (eventName.includes(searchInput)) {

            event.style.display = 'block';

        } else {

            event.style.display = 'none';

        }

    });

}

</script>

</body>

</html>
```