

Sathyabama Ems (Event Management System)

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Abstract - To assist faculty and students in managing college activities, a system known as the Sathyabama Event Management System (SEMS) has been developed. For instance, technical festivals and other events that necessitate web-based user registration. This responsive and dynamic web application makes it simple for users of the event management system to interact with and register for the events of their choice. This will do away with the requirement for extra paperwork.

Index Terms - Event Management System, MySQL, PHP, Registration

I. INTRODUCTION

A web-based tool known as the sathyabama event management system (SEMS) improved project management for the planning and execution of large-scale events like cultural fests, club events, workshops, and other activities. The goal is to have a consolidated database of all event-related data. With several organizations heading their activities and celebrations online, it's important to have a medium or platform to aid with event management. Students and professors could utilize this type of platform to learn about the variety of upcoming events, permitting interested users to immediately enroll in the activity they've decided to attend. It is designed to help with the accurate procedure. It is a web application that lets users log in to the application directly through a site without requiring any mobile apps to be installed. The online application was developed with PHP, MySQL, HTML, and CSS. PHP is used for backend scripting in web applications. It is deployed on Netlify.

PROBLEM STATEMENT

The intention behind this application is to create a system that reliably stores every detail of data regarding the various activities that occur in the organization. The ultimate objective is to create an organized database including all event-related information. The goal is to help with the numerous procedures and processes that are needed for good information management.

PURPOSE

The major goal of the event management system is to make it easier for faculty and students to manage events. Additionally, it can be applied to: successfully managing college clubs, organizing fundraisers to support a cause, directing organizational activities, easy registration for events, and creating reports on users who have signed up.

EXISTING SYSTEM

The current technology does not adequately handle user profiles or allow for the secure registration of users. Online assistance is not offered by this system. The actions and progress of users are not tracked by this system. With this manual technique, we have very little protection for data storage, and some data may be lost as a result of poor management. This system does not offer online event management. This system is not delivering accurate information about the events. The event management executer is the method through which the system provides manual information.

PROPOSED SYSTEM

The next phases in the development of this new system will try to automate the full process while maintaining the database implementation strategy in view. The student's name and mobile number are saved in this database. This system will provide online search and assist functionalities. The application is user-friendly, with a wide range of features provided via a system-rich user interface. This application is only available to registered users. Event data files can be stored in a centralized database managed by the system. The personnel can manage events methodically thanks to this technology.

II. SPECIFIC PREREQUISITES

HARDWARE PREREQUISITES

Processor: Pentium-iv

RAM: 512MB

Hard disk: 40 GB

Speed: 2.4 GHZ

GPU: not necessary

SOFTWARE PREREQUISITES

OS: Windows
 Browser: Chrome
 Frontend: HTML, CSS
 Backend: PHP
 Scripting language: JavaScript
 IDE: VS Code
 Server: XAMPP
 Database: MySQL
 Cloud: Netlify

TABLE 1 REQUIREMENTS

FUNCTIONAL REQUIREMENTS	NON FUNCTIONAL REQUIREMENTS
Registration	Security
User login	Availability
Select the event	Accuracy
Forgot password	Flexibility
Admin	Maintability
Logout	Reliability

FUNCTIONAL REQUIREMENTS

Registration: The user must correctly fill out the registration form.

Select the event: The user has the option to choose both the event and the payment method. We enter the event name, the enrollment choice, the ability to add team members if the event is a team event, and so on.

Admin: The administrator can successfully add the manager, main event, sub-events, details, etc. to the database.

Faculty: The management can add volunteers, main events, sub-events, and everything else.

Logout: The system offers the option to log out of the website.

NON-FUNCTIONAL REQUIREMENTS

Security: Users of the app should visit the URL to evaluate the operation of the secure shell. Before upgrading the Internet agent's plugins, you should activate the program.

Availability: It should be online at all times and should never go offline.

Accuracy: The administrators or event organizers are responsible for verifying the correctness of the event information shown in the application.

Flexibility: It is adaptable to new models and upgrades.

Maintainability: It is simple to manage, and any faults that emerge should be simple to correct.

Reliability: The application website ensures the data's integrity, so it should be trustworthy.

III. ARCHITECTURE

This application's main benefit is connecting students, faculty, and administrators. It provides the best interface for students to view event details. This application will include options such as roll number, event name, event description, event venue, location, and contact information.

The framework can be signed in either administrator or faculty mode. All framework options will be implemented in administrator and faculty modes. This mode will be used for inserting, updating, and removing event details.

The framework provides options such as reviewing, adding, finding, and generating an event.

All event data, such as date, time, place, location, and so on, is entered by the administrator or faculty.

Students can search the data by event title or description and by a particular department.

Technologies used in this framework are

Front-end languages include HTML, CSS, and JavaScript.

PHP is the back-end language.

MySQL is the database used.

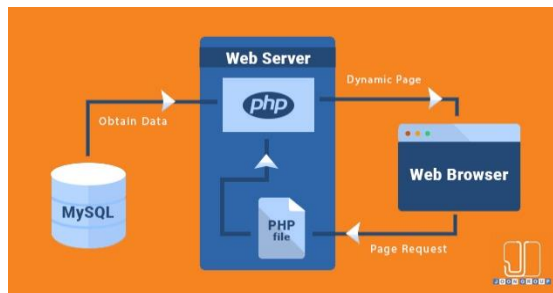


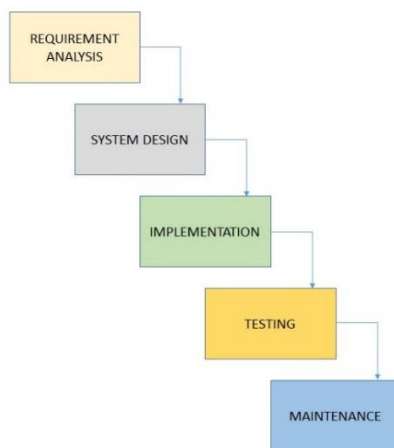
Fig.1 SYSTEM ARCHITECTURE

IV. WORKING MODEL OF THE SYSTEM

WATERFALL MODEL

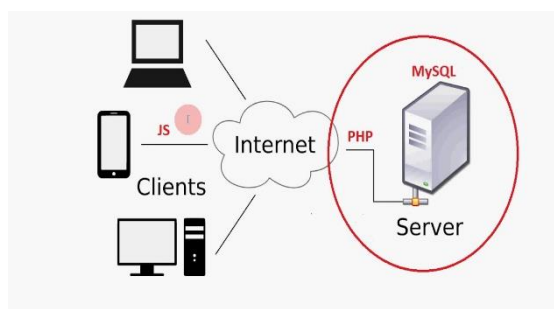
The waterfall technique, which is based on the SDLC (the Software Development Life Cycle) and system technical processes based on the participants, is the solution for managing the workflow intelligently and digitally while taking into account the essential demands of each module.

- In-depth analysis of user requirements.
- Making plans to design modules.
- The implementation of an application.
- Modules for testing that run the application.



CLIENT-SERVER MODEL

The "Client-Server" model is the concept of a client and server interacting through a network. It enables the use of web programs like Google and the ability to see web pages like this one. In a web application, the client-server model is only a means of describing the give-and-take interaction between the client and server.



V. CONCLUSION

The intended Sathyabama Event Management System (SEMS) application would make organizing and monitoring college events easier. Students, lecturers, and staff will all benefit from the SEMS application. The application will be simple to use, permitting users to register and pay for events online. In handling college events, the SEMS application can save effort and minimize risks.

VI. REFERENCES

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