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ijircce@gmail.com

www.ijircce.com

Hostel Management System

Shraddha Lokhande¹, Prajakta Kasabe¹, Parineeta Hulle¹, Shrinivas Tarapurkar¹, Anita Patil²

Diploma Student, Dept. of CSE, Sanjay Ghodawat Polytechnic, Atigre, Kolhapur, India¹

Lecturer, Dept. of CSE, Sanjay Ghodawat Polytechnic, Atigre, Kolhapur, India²

ABSTRACT: Hostel Management system is a web based application that performs on online mode. For the past few years numbers of hostels are increasing rapidly for the students. And because of this stress of peoples also increases which going to manages the hostels. As the number of hostels are increases the work load, paper work and many other formalities related to student allocation process also increases for overcome this problems web based application is the better option for managing this huge system.

KEYWORDS: Web based application, reliable, efficient, easy to handle.

I. INTRODUCTION

The Hostel Management will help to reduce paper work and also reduce the effort to fill every data/record in excel sheet. we have created Hostel Management system that will help admin.

The admin can check status of any hostel and student information or records of data

The admin can add, remove student's records of information. And it will also can also fill update date. Admin can see the all data records and also see a requests for the getpasses and any messages according to students requirements

II. RELATED WORK

The purpose to create website is that when we were taking requirements from rector and warden we realized that they have to face many problems regarding with their work. Because they work manually due to which they got lot of stress and work load on them. So, we decided that to reduce their work in digital way that's why we are making a website which will help them to manage their work in digital format either by doing work manually.

n our Project –

• There are 2 Portals in our project:

1. Admin : In admin portal admin can view all the records updated by student.

2. Student : In student they can update their data.

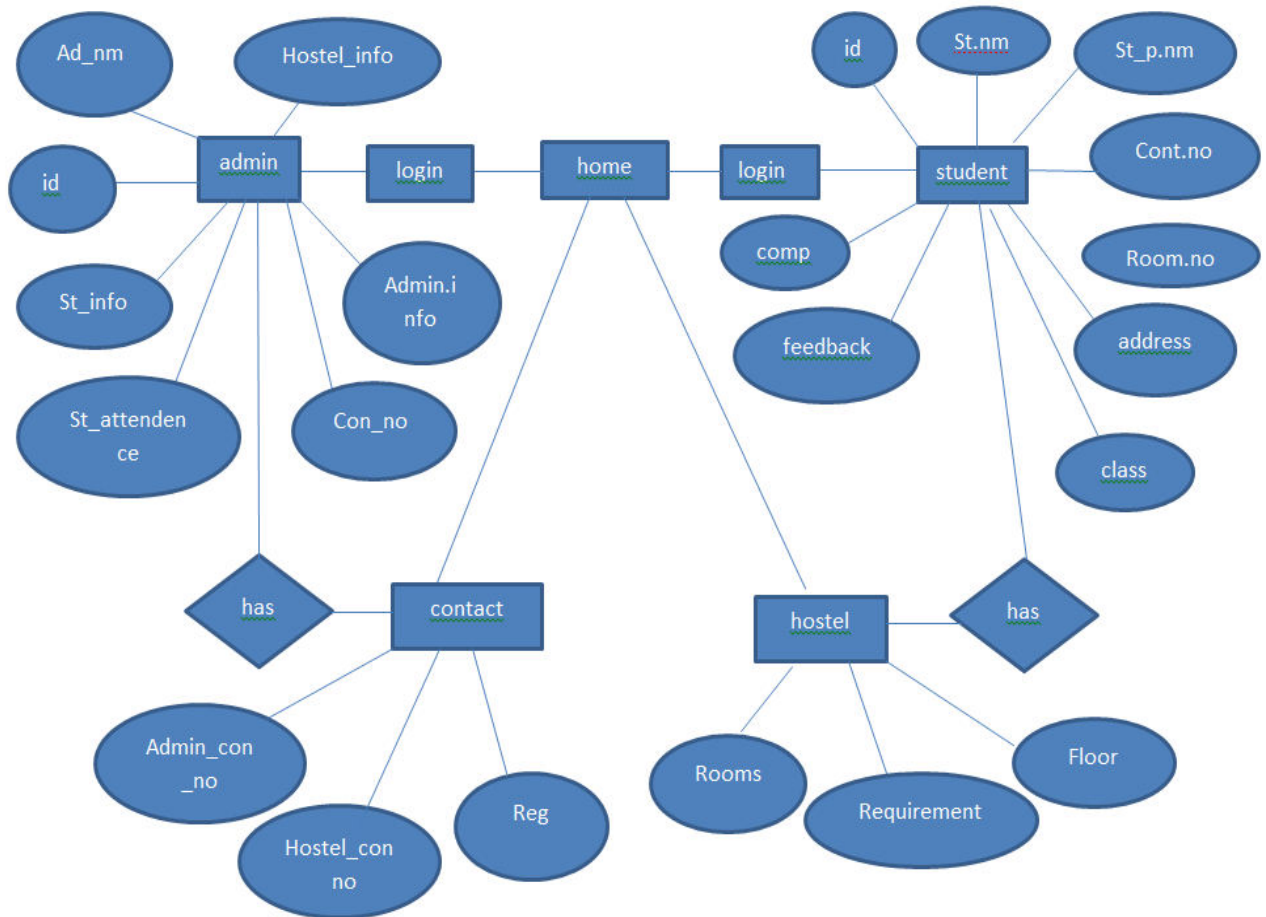
This will be view of our website which will created in the purpose of help rector to manage their work in digital way.

We try to make it simple & easy to use for both admin and student. By using this project plan, we can reduce required cost & time of admin and student.

III. PROPOSED ALGORITHM

The main purpose of our system is to make digitalization of hostel data report and records work load. Such a digital system requires less time as compared to manual system. Our new developed digital system is easy to use from both admin & student side view. Existing system works manually. By which there is huge load on rector. Rector has to work manually to update their required information & performance as well as they have to work hard to keep their records. Due to this, they are enabling to manage time. So, time management issue is happened. Because of this, they have to face academic impact. Whereas, manual system needs more cost for some paper work & printing costs etc.

IV. METHODOLOGY



The working of our project is –

By using our system; Admin can get all data related to each & every hostel on one system. Admin can view all work done by admin for the student and hostel & take related actions. Whereas, admin can update their work & performance & can provide information required by the hostel process as well as rules.

V. TECHNICAL

HTML

HTML stands for Hypertext Markup Language. It is a coding language used for creating web pages on the internet. HTML is used for creating and formatting text, images, videos, and other content on web pages. HTML uses a series of tags to identify and format different elements on a page.

HTML tags are enclosed within angle brackets `<>` and are used to create headers, paragraphs, lists, links, images, forms, and other elements on a web page. HTML documents can also include CSS (Cascading Style Sheets) and JavaScript code to enhance the layout and functionality of the page. HTML documents can be viewed in web browsers such as Chrome, Firefox, Safari, and Edge. The latest version of HTML is HTML5, which includes new features such as video and audio playback, canvas drawing, and improved support for mobile devices. HTML is an essential part of web development and is used by developers and designers across the globe.

CSS

CSS (Cascading Style Sheets) is a style sheet language used for describing the presentation of a document written in HTML (HyperText Markup Language) or XML (Extensible Markup Language). CSS allows web developers to separate the presentation of a document from its content, making it easier to create and maintain websites.

CSS defines how HTML elements should be displayed on a web page, such as the font size and color, spacing between elements, layout and positioning, and visual effects like shadows and gradients. Styles can be applied to individual elements, groups of elements, or to the entire document.

CSS has a cascade system, which means that styles can be inherited from parent to child elements, and multiple styles can be applied to a single element. Styles can also be overridden by specifying a more specific selector or by using the !important rule.

CSS is written using a syntax that consists of selectors, properties, and values. Selectors are used to target specific HTML elements, properties are used to define the style, and values specify the settings for the chosen property.

CSS can be included in an HTML document via an external style sheet, or it can be embedded in the HTML document using the `<style>` tag. There are also pre-built CSS frameworks that can be used to speed up the process of styling a website.

JSP

Java Server Pages (JSP) is a technology used to develop dynamic web pages that are generated on the server-side before being sent to the client-side browser. JSP is a server-side scripting language that uses Java programming concepts to build web applications. Here are some key features of JSP:

1. JSP pages are similar to HTML pages, but they can contain Java code snippets that can dynamically generate HTML pages based on user input and other factors.
2. JSP pages can access all the available Java API libraries and can also interact with databases using JDBC (Java Database Connectivity) to dynamically retrieve and process data.
3. JSP pages are compiled into Servlets, which are then executed by a server-side web container.
4. JSP pages can be combined with JSTL (JavaServer Pages Standard Tag Library) tags, which simplify common programming tasks like looping, conditional statements, and other complex tasks.
5. JSP pages, like other server-side technologies, can be used to build scalable, robust, and secure web applications for diverse use cases.

Wamp

Windows, MySQL, and PHP are referred to as WAMP.

WAMP installs Apache, MySQL, and PHP on your operating system (Windows in the case of this software stack).

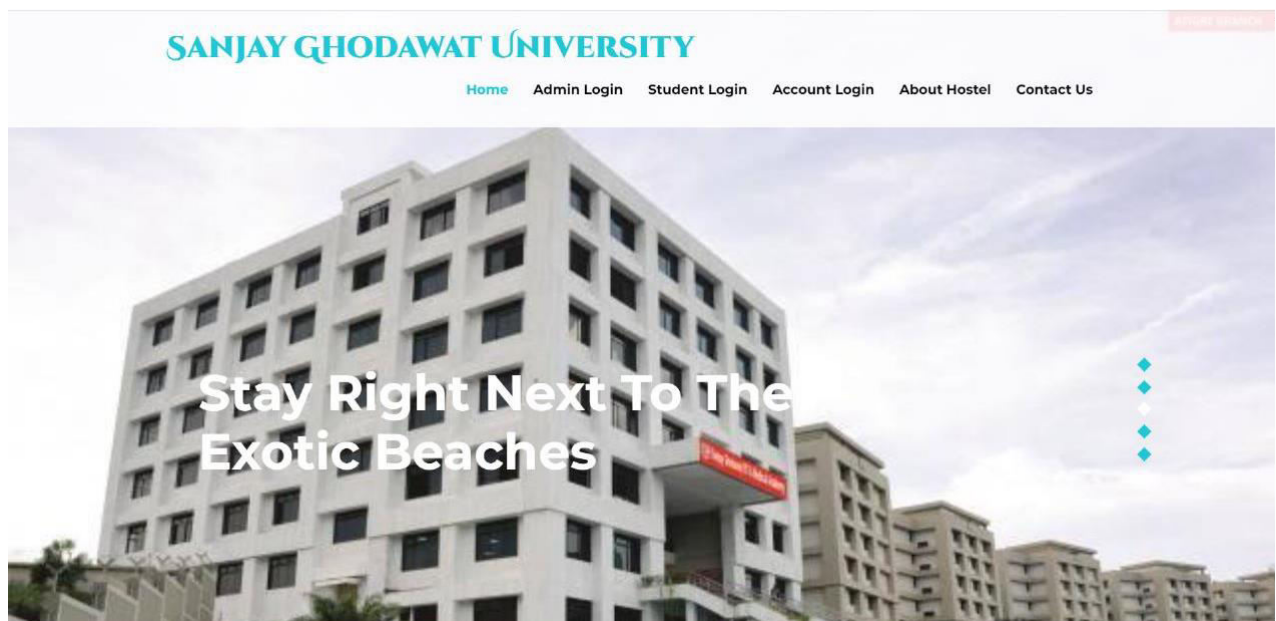
WAMP). Although they can be installed independently, they are typically bundled together and for good reason. It's helpful to know that WAMP is a descendant of LAMP (the L stands for Linux). The sole distinction between these two is that WAMP is used for Windows-based operating systems whereas LAMP is used for Linux-based ones.


VI. SPECIAL WORK

By using our system; Admin can get all data related to each & every hostel on one system. This model's advantage is admin can view all work done by admin for the student and hostel & take related hostel rules, so we have also created the easy to understand and reducing not only paper work but also store and search more records of attendance data reports any time checking easily and find report of specific days and month, year.

When admin get a attendance, of students they also store digital attendance report on this web-page.

VII. RESULTS





VIII. CONCLUSION AND FUTURE WORK

The motto of our project is to make digital visualization for hostel and students data report and record. We try to make it simple & easy to use for both admin and student. By using this project plan, we can reduce required cost & time of admin and student. Our project is to develop a website which manages hostel and students data records in digital view. Now days, hostel work is increasing day by day. That work happens in manual manner. They get extra load because of this. And because of this there is little bad impact on their hostel academic performance. That's why we will make a website which reduces at least minimum load on rector. We will be trying to make a website which helps rector to reduce their load in digital view.

FUTURE ENHANCEMENT-

- In the next update this system can also be app based.
- In the next deploy the system in others hostels.
- It will be great digital environment for hostels's students.
- It will provided with more authentication.

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