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E-Teacher: An Effective Digital Platform Repository for Teachers

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ABSTRACT: Title of our project is E-Teacher. Our project is to develop a website which manages teacher records in digital view. Now days, teacher 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 academic as well as teaching performance. That's why we will make a website which reduces at least minimum load on teachers. We will be trying to make a website which helps teachers to reduce their load in digital view.

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KEYWORDS: E-Teacher, Manual, Website

I. INTRODUCTION

Our website is a conversion of teacher's course file into digital manner. While collecting requirements, we understood what problems are there in existing manual system & what impacts of these problems on teachers. So, we decide to make a website which will be helpful for teachers as well as admin. The purpose of our website is to digitalize teacher course file.

By using our system, Admin can get all data related to each & every teacher on one system. Admin can view all work done by teacher & take related actions. Whereas, Teacher can update their work & performance & can provide information required by admin.

In our Project –

- There are 2 Portals in our project:

1. Admin (can view all records)
2. Teacher (can update & submit required information)

In Teacher Portal -

- **Teacher-**

1. Profile-

It contains detailed information about that specific teacher.

Profile contains some menus.

They are-

1. Name-

On clicking this menu teacher can view their name.

2. Joining date-

It shows teacher assign to the college on which date.

3. Taken data-

It displays how many leaves teacher can take. How many leaves have been taken by teacher still.

4. Salary data-

Here, salary of teacher is displayed.

5. Timetable-

Here, timetable of teacher is displayed.

6. Academic calendar-

Here, Academic calendar of teacher is showed on clicking .

2. Course Contents-

It contains all contents of source file.

3.Appraisal—

View Appraisal.

In Admin Portal-

On admin system when admin opens website, window with different branches is displayed to him. On clicking particular website,

• **Admin-**

It contains-

1.Add Appraisal- Add Appraisal.

2.Add Course Contents- Add Course Contents

Admin can send Question to each & every teacher.

II. RELATED WORK

The purpose to create website is that when we were taking requirements from teacher and hod 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 teachers.

2. Teacher : In teacher portal they can update their work as per their requirements.

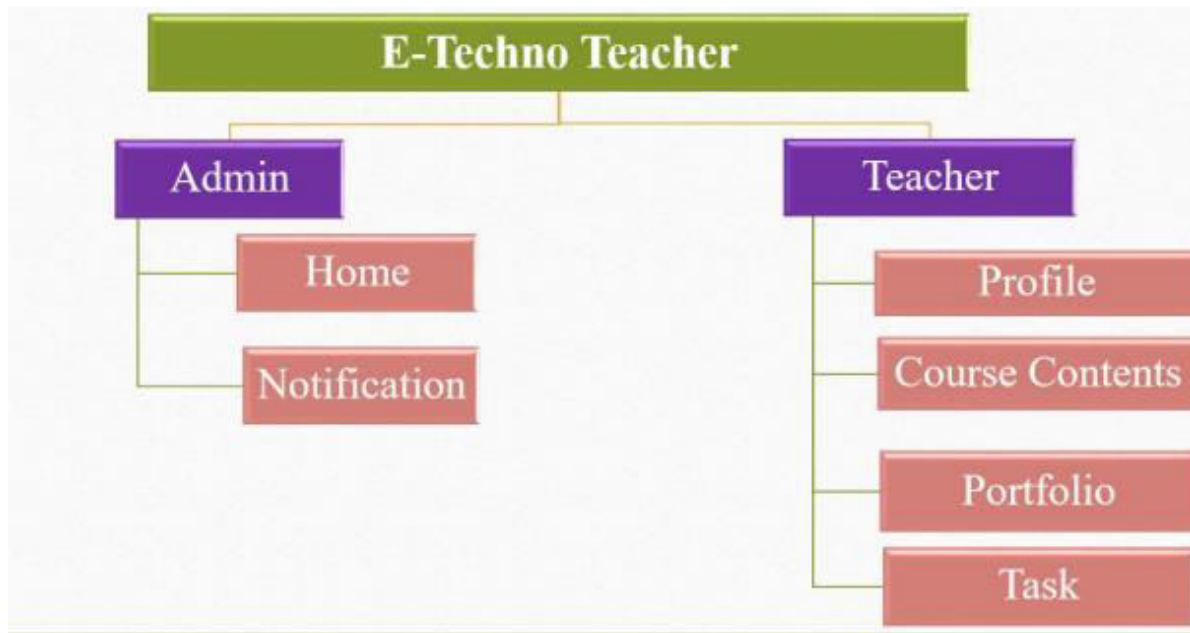
This will be view of our website which will created in the purpose of help teacher to manage their work in digital way.

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

III. PROPOSED ALGORITHM

The main purpose of our system is to make digitalization of teacher course file & to reduce manual 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 & teacher side view. Existing system works manually. By which there is huge load on teacher. Teacher 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 teacher on one system. Admin can view all work done by teacher & take related actions. Whereas, Teacher can update their work & performance & can provide information required by admin.

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.

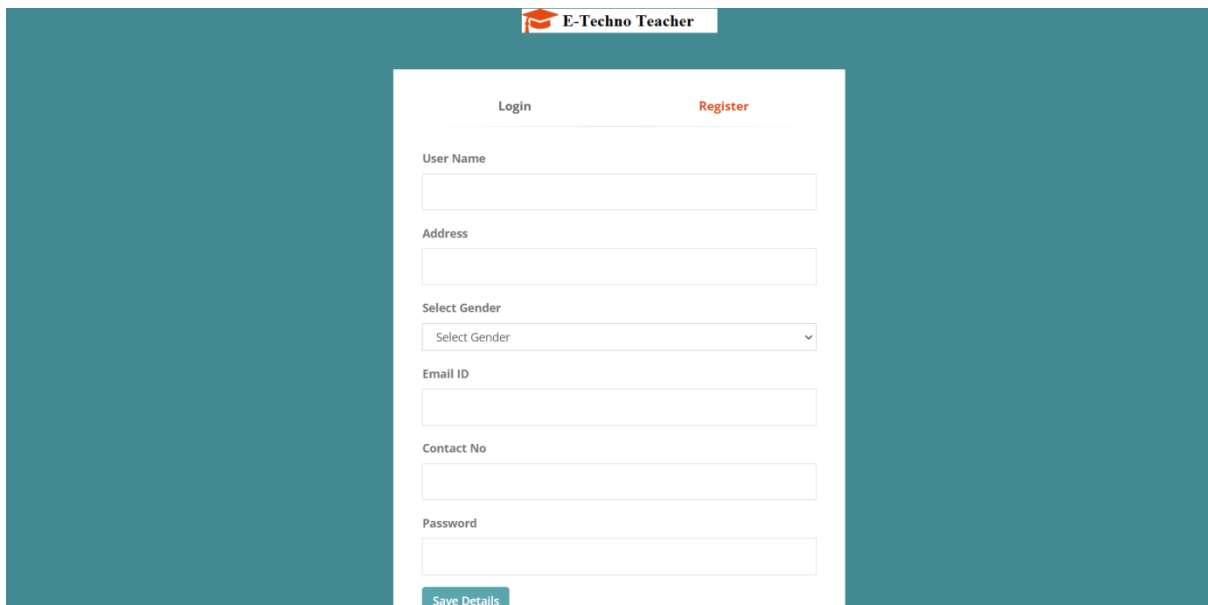
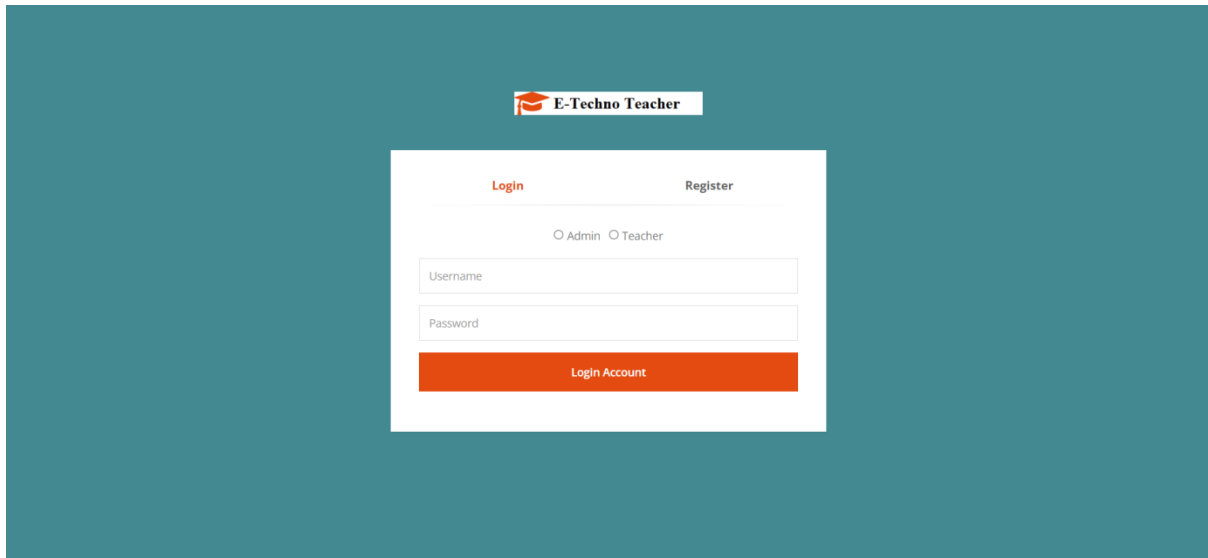
Tomcat Server

Tomcat is an open-source web server and servlet container developed by the Apache Software Foundation. It implements several Java enterprise technologies including Java Servlet, Java Server Pages (JSP), Java Server Faces (JSF), Java EE, and Web Socket, and is primarily used to implement Java-driven web applications. Tomcat is written in Java and is distributed as a binary package that can be installed and run on various platforms such as Windows, Linux, and macOS. Tomcat can be configured using a simple XML configuration file, and it has support for various authentication mechanisms, session management, and other advanced features. It is widely used in production environments to deploy web applications for both small and large enterprises.

Eclipse

Eclipse is a free, open-source integrated development environment (IDE) used for writing, debugging, and testing software. It is used for developing a wide range of software applications including web, desktop, mobile, and enterprise applications. Eclipse provides a user-friendly interface, code reusability, and robust tools for software development. It supports several programming languages such as Java, C++, Python, and Ruby, among others. Eclipse is cross-platform, and it runs on Windows, macOS, and Linux operating systems. Eclipse is highly extensible and supports the development of plugins, which can be added to the framework to add functionality or improve existing features. Eclipse is widely used by developers for software development, and it is commonly used in the Java programming community.

V. RESULTS



VI. CONCLUSION AND FUTURE WORK

The motto of our project is to make digital visualization of course file of teacher. We try to make it simple & easy to use for both teachers & admin. By using this project plan, we can reduce required cost & time of teacher & admin. Our project is to develop a website which manages teacher records in digital view. Now days, teacher 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 academic as well as teaching performance. That's why we will make a website which reduces at least minimum load on teachers. We will be trying to make a website which helps teachers 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 college
- It will be great digital environment for teachers.
- It will provided with more authentication.

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