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Streamlined Yearbook Automation System

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Abstract

The primary function of online company year book development is to ensure the correct upkeep of personnel records. The ability to articulate one's thoughts and feelings is a great benefit of this medium. Staff members can access all company-related information, including Staff Details and corporate function details, in one convenient location. Both during and after their time as students, administrators keep meticulous records. Access to employee and company details can only be granted by the administrator. After that, students need to get into the development of the Year Book. The website allows for the reduction of manual processes, errors, and time consumption. That's right; computer technology is pervasive across all industries. That is why the invention of computers was crucial in making previously insurmountable jobs much easier. This Online Year Book Development project is designed to keep track of workers' work records and achievements for a specific academic time. This is where the new user has to fill out their details. Once they log in, users will be able to view the company's profile, staff data, and a gallery of the company's work.

Keywords: Year Book, Staff Details, Administrator, Corporate Function Details.

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Introduction

Advertising space in yearbooks is a common way for local companies to monetize their publications. Employee groups (also called clubs) and their activities throughout the year are detailed in this section. An image or images of the group's members frequently accompany such descriptions. A list of each group's members is sometimes included in this part [1]. Mainly this project focuses onproviding information regarding the achievements of the technical department every year. Yearbooksare an important part of an individual's history. Employees are introduced to yearbooks at the time of their entrance. In the initial period of working, employees learn what a yearbook is, and at many organizations between 60-80 percent of staff purchase a yearbook.

Through the experience of work and company's development, there is an entire day devoted to yearbook distribution. Employees get excited to visualize their achievements in front of their higher officials and colleagues [2]. Then, they rushto get all their friends and acquaintances to sign their yearbook—personalizing it and creating a lastingmemory of their Company. The organization are developing websites in Good Looking, Best Quality,Dynamic, Mobile compatible web design & web development in Coimbatore. The organization can design a Word press website with responsiveness [3]. The organization also do Domain registration, Email& hosting services in affordable price.

As a proactive web design company, Micro Infotech web solutions has a standard record for quality product and services which focus on its core area of web designing, web development and internet marketing. With a team of experienced designer and analyst, the organization provide excellent and innovative websites that meets your requirement.

We present the most creative and innovative website design which are attractive, professional and user friendly at predictable price [4]. Our primary objective is customer satisfaction followed bycompleting the project on time and deliver to customer. Also, the support team are ready to service you before and after the project is completed.

Creating a website is not alone to reach your customer but it must be ranked at the top of the page bypushing back your competitors' website [5]. Our dedicated team of analyst research on your website andoptimize to hit to prating in every browser and reach your target audience. This will generate you morelead and enhance the growth of your business.

Literature Review

Hernandez Ruiz et al [6] The latest advancements in CVD-mediated phase engineering tactics for TMDs, including temperature, precursors, catalysis, atmosphere, composition, and strain management throughout the deposition process, are outlined in this review. Additionally, a summary of the representative uses of CVD-based phase-engineered TMDs in the fields of catalysis, photovoltaic cells, transistors, and photodetectors is provided. In conclusion, this adaptable technique's future development, aspirations for CVD-based phase engineering, and obstacles are reviewed. A thorough analysis of the latest advancements in phase engineering of two-dimensional transition metal dichalcogenides (2D TMDs) using the chemical vapor deposition (CVD) technique is provided. The focus is on representative applications of phase-selective grown materials in high-performance devices, as well as controlling strategies for various 2D TMDs that are oriented toward CVD.

Linares et al [7] Two main ways that the Inter-American Development Bank (IDB) Group supports the institutionalization of evaluation in Latin America and the Caribbean (LAC) are: (i) through its operational work, which involves evaluating specific development interventions in IDB-financed projects and supporting the strengthening of statistics and M&E systems in LAC countries; and (ii) through the work of its evaluation offices, which are part of the IDB Group's management and are in charge of self-evaluation and the Office of Evaluation and Oversight (OVE), which is in charge of conducting independent evaluations of all IDB Group activities. The IDB Group's initiatives to expand the reach and extent of evaluation capabilities in the LAC region are also covered.

Yoshida [8] The United Nations' specialised agencies and organisations responded to the COVID-19 pandemic by taking several steps when it was declared a global health emergency in March 2020. Seven resolutions addressing COVID-19 were enacted by the UN General Assembly (UNGA) in the past year. Although it is called "soft law," its normative relevance as a way to show world solidarity is undeniable and should not be disregarded. "Optimism that the unprecedented crisis caused by the COVID-19 pandemic can be mitigated and successfully reversed through leadership and sustained global cooperation and solidarity." This was stated in the first resolution, which was passed during the seventy-fourth session on April 2. In regards to COVID-19, it typically requests that governments work together internationally.

Rolnick et al [9] One of the biggest problems confronting humanity is climate change, and as machine learning specialists, you might be wondering how we can help. In this article, we discuss how machine learning can be a potent

instrument for cutting greenhouse gas emissions and assisting civilization in adjusting to a changing environment. We collaborate with different fields to find high impact problems, such as disaster management and smart grids, where machine learning may bridge current gaps. We offer both intriguing business prospects and thought-provoking research subjects in our recommendations. We urge the machine learning community to take part in the international climate change initiative.

Jin et al [10] to make two contributions to this field by putting forth a very practical Energy Management Maturity Model for China (EMMM-China). This work has illustrated a number of highly referable techniques for skillfully formulating a model's metrics from a methodological standpoint. It was also important to build a strong knowledge base for inferring hypotheses that included both EM flaws and best practices by incorporating actual experience from scientific literature and more than 70 domestic examples. Four maturation periods and five maturity levels were logically established based on this. In order to verify the model's dependability, EMMM-China conducted a longitudinal research design with three industrial scenarios that were evaluated on multiple occasions. Furthermore, from an outcome standpoint, EMMM-China functions as a new ISO 50001-based model for users worldwide.

Proposed Methodology

In an effort to streamline the whole process with the database integration strategy in mind, the following tasks are included in the new system's development. If the new system is to succeed, it must eliminate every drawback of the current one. The current solution isn't cutting it because it relies on human processes. Because of this, the suggested approach ought to restrict the amount of manual labour. In a manner that allows the user to access their details from any location. The yearbooks must also be kept by the administrator. There will be very little time needed for the arrangement. Cuts down on time and effort spent manually.

Features

- User friendliness is provided in the application with various controls
- Easy to search Books details
- It can be accessed over the Internet

Modules

Admin

- Authentication
- Add Employee Achievement Details
- Add Organizational Achievement Details
- View Staff and Employee Achievements Details

Staff

- Registration
- Update Profile
- View Achievements

Employees

- Registration
- Update Profile
- Understanding Achievements

Description of Modules

Admin Login

Here the admin has to login by using their unique username and password. Admin is the onlyauthorized person to access this module for security purposes. So other users don’t get rights to accessthis module for their purpose.

Staff Login

The Staff has to login by using their unique username and password. Staff is the only authorized person to access this module for security purposes. So other users don’t get rights to accessthis module for their purpose.

Dash Board

As mentioned, dashboards are invaluable tools to present key information that helps businessesand organizations of all sizes make informed decisions and tweak their strategies to ensure their goalsare being met. Now, it all sounds great on paper, however, in reality, a successful dash boarding processrequires more than just collecting and visualizing data.

Staff Details

In this quick guide, we'll walk you through the basics of staff management, what the process looks like and some strategies you can use to boost productivity.

Employee Detail

These systems work to coordinate scheduling and communications between faculty regardingthe individual's actions. This system exists to simplify information tracking for both employee and administrative staff.

System Design and Development

Database Design

A database is simply a collection of used data just like phone book. MySQL database include suchobjects as tables, queries, forms, and more.

Data Flow Diagram

Level 0

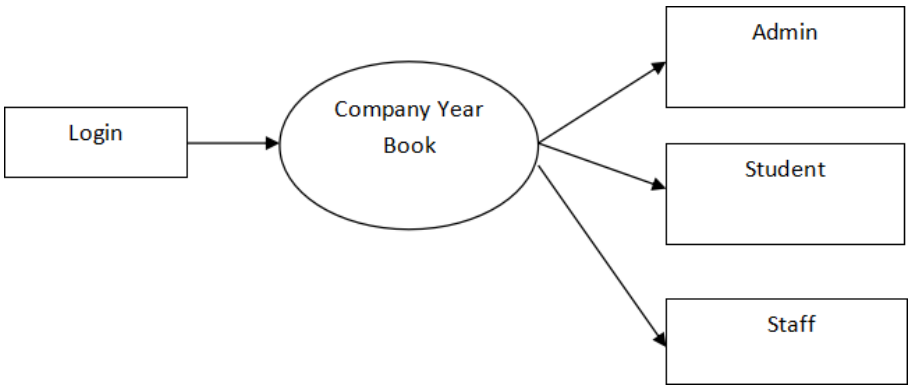

Fig. 1: Modules Available in the Streamlined Company Yearbook

Level 1

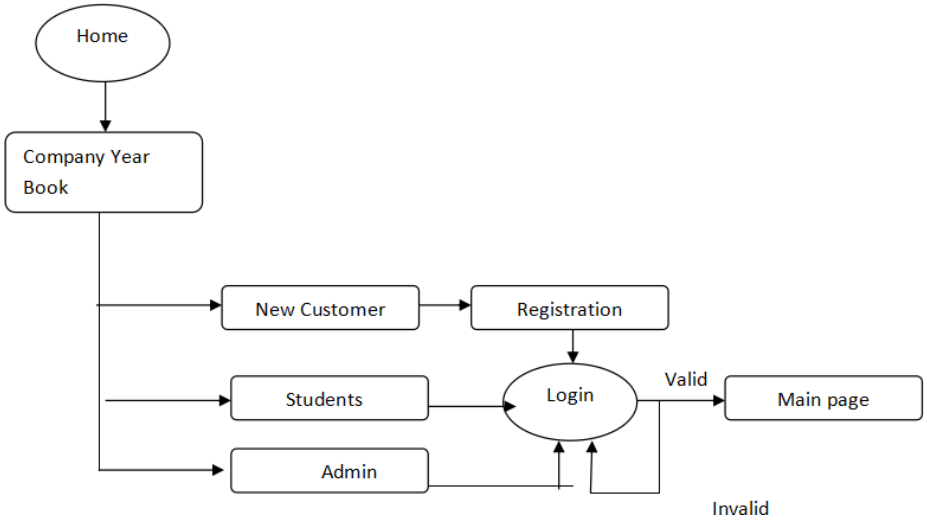

Fig. 2: The Process Associated with the Yearbook

Level 2

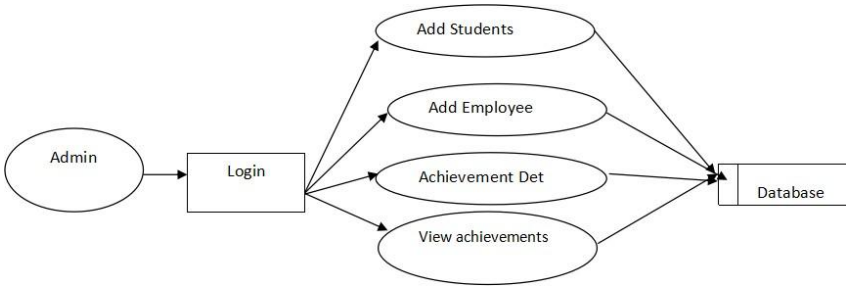

Fig. 3: The Sub Modules in the Company Yearbook

Level 3

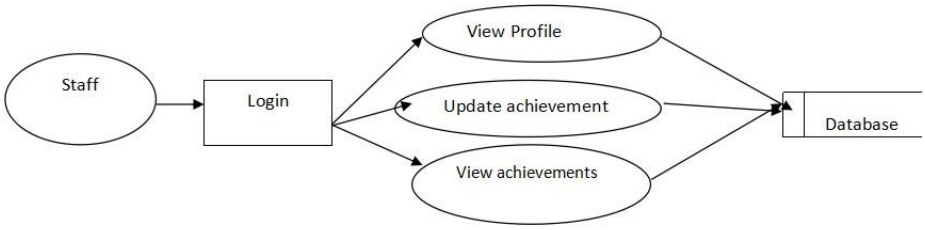

Fig. 4: The Login and Database Connectivity

Tables

Data that is comparable to one another is stored in MySQL tables. Each table in the database should have its own unique structure and contain its own unique set of data, but they must all reside in the same file. Take the video store database file as an example. Includes sections for members' names, recordings, bookings, and upcoming events. This is because these tables are frequently combined to generate reports that are useful for filling out online forms, so they are all kept in the same database file.

Table 1: Administration Details

Description: This Table Contains Admin Details

Admin id	Number	Not null
Name	Varchar (20)	Not null
Phone No	Varchar (20)	Not null
Mail Id	Varchar (20)	Not null
Address	Varchar (20)	Not null

Table 2: Employee Details

Description: This Table Contains Employee Details

Employee id	number	Not null
Name	Varchar (50)	Not null
Phone No	Varchar (50)	Not null
Mail Id	Varchar (50)	Not null
Address	Varchar (50)	Not null

Table 3: Staff Details

Description: This Table Contains Staff Details

Staff id	number	Not null
Name	Varchar (50)	Not null
Phone No	Varchar (50)	Not null
Mail Id	Varchar (50)	Not null
Address	Varchar (50)	Not null

Relational Database

MySQL is a relational database. Relational databases tools like access can help us manage information in three important ways.

- Reduce redundancy
- Facilitate the sharing of information
- Keep data accurate

Results and Discussion

Input Design

To perform user authentication, username and password will be given as input.The received username and password is to be checked against the username in the login table of the database. The password validation is done and if the validation is successful, a success message along with access to the home page is provided otherwise an error message is reported.

Admin Login Form

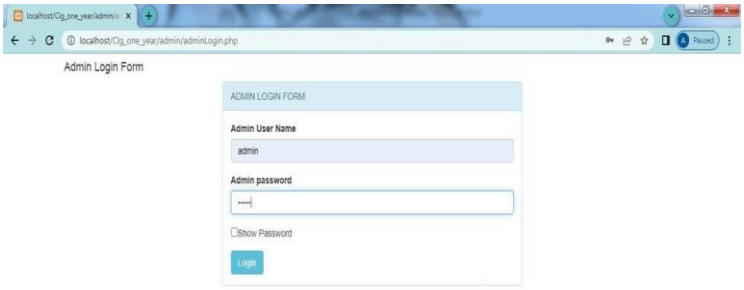

Fig. 5: Admin Login Form

Registration Form

Fig. 6: Registration Form

Event Registration Form 1

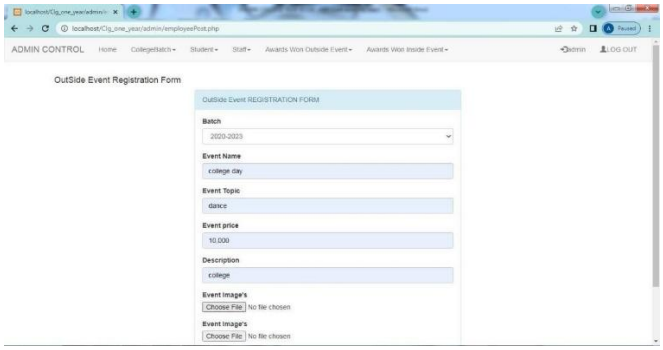

Fig 7: Event Registration Form 1

Event Registration Form 2

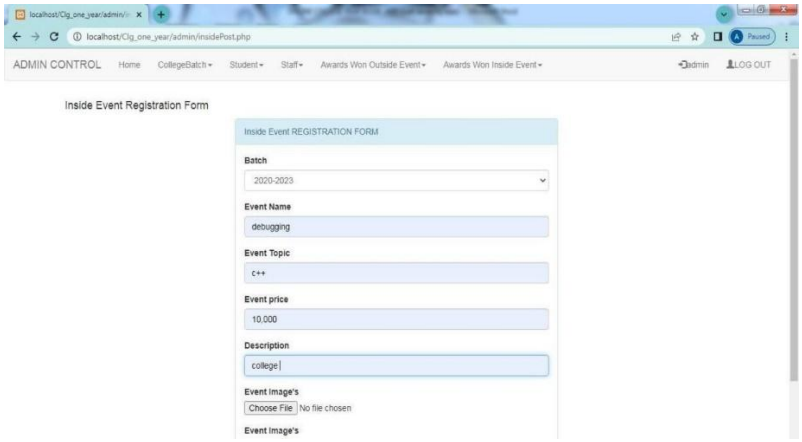

Fig. 8: Event Registration Form 2

Output Design

Output design generally refers to the results and information that are generated bythe system for many end- users. The output is to view the staff report, academic report, andadmin login. The staff can view their corded g meet and work materials. The staff can viewthe company report, achievements and updates made on the organization website.

Output Form 1

Fig. 9: Year Book Form 1

Output Form 2

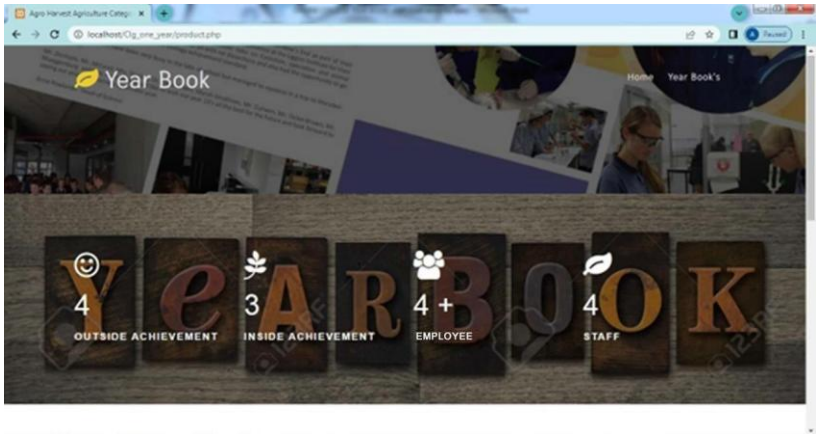

Fig. 10: Year Book Output Form 2

Output Form 3

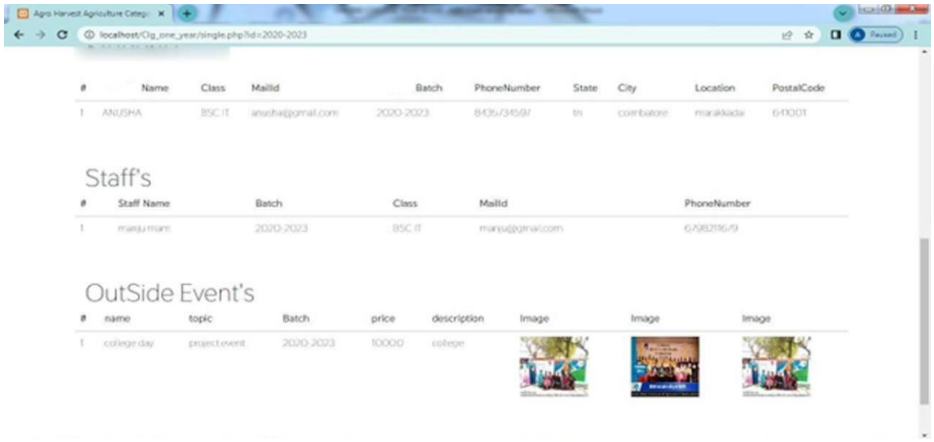

Fig. 11: Year Book Outside Events

Conclusion

We have created the "Online Company Year Book" to meet all of your requirements. The simplest way to maintain the process is... As an added bonus, the system is both easy to use and scalable. Nearly every goal of the system has been accomplished. Every metric has been run through the system. The method reduces the amount of problems caused by the current manual system and gets rid of human mistake completely. The database's adaptable design makes the system feasible to implement. It has been validated and put into action. During methods, all stages of development were envisioned. Users can obtain the necessary report even when it rains lightly. By accomplishing all of the project's goals, the programme runs smoothly. We can easily add more features to this system by making little adjustments.

Future Enhancement

- **Customization options**: One potential enhancement would be to allow staffs to customizetheir own year book pages, including the ability to add their own photos and choose their own layout.
- **Social media integration:** Another possible enhancement would be to integrate social mediaplatforms into the year book, allowing employees to share and connect with their organization through the year book website.
- **Video and multimedia content:** Including multimedia content such as videos and audio recordings could help to make the year book more interactive and engaging for users.
- **Mobile optimization:** Making the year book accessible and optimized for mobile devices would allow staffs to access and share their year book content on-the-go.
- **Augmented reality**: Incorporating augmented reality technology could allow users to viewinteractive 3D models of their organization, or even scan pages of the year book to reveal hidden content or multimedia.

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