

## **COLLEGE PORTAL: A FACILTY DAILY REPORT GENERATION SYSTEM THAT IS SUSTAINABLE AND COST-EFFECTIVE**

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### **ABSTRACT**

Each achievement and document management in educational institutions today is done by hand. Documents related to these manually carried out operations are kept on hard drives and ledgers. There is no proper reporting method for jobs or successes; they are all preserved in files, hard drives, or paper papers. Data loss can happen, manual processes take a long time to complete, and they might hinder actual work. This process needs to be automated due to the network's rapid growth in order to make manual work easier. With all information routed through a single portal, this may handle all faculty events extremely smoothly while also considerably increasing the college management's economic growth. The manual management of faculty records presents management with a number of difficulties that cause them to lose a lot of time in binding the data together. So to overcome these types of problems, our portal contains different modules like teacher information, documents, achievements, and report generation. All faculty data is kept in this portal, one can view all their achievements and generate or print their reports. So each document is kept in the database and there is no data loss and access to the document is very quick.

**Key Words** — Organization, manual management, Network

### **1. INTRODUCTION**

Although some claim that managing documents is difficult, we comprehend the strain and effort the organisation goes through to keep them up to date. Therefore, we made an effort to create a comprehensive solution called "Faculty Report Generation System" the gateway location where instructors can maintain their accomplishments and documentation. Our system aims to create a system that is both affordable and sustainable. It is the core of the procedure and most suited to the user's analysis.

The analysis is the examination of the many tasks carried out by the system, including relationship maintenance and activities like adding, updating, removing, reading, and searching for information. Data about the files, decision-making processes, and transactions handled by the current system was gathered during analysis. With the use of a username and password, one may access the System. It is accessible by an administrator and even by the faculty. The data can be retrieved easily with a single click. The data is organized in a well systematic fashion. If any of the faculty loses their data, it can be easily retrieved from the database. Here the data will be stored in the database so that the data will be stored for a long period of time. It can be accessed by any person who has permission to do so.

### **2. LITERATURE SURVEY**

As mentioned in "Web Based Student Information Management System In Universities" by Symon C. Lubanga at (Standing Conference of Eastern, Central and Southern Africa Library and Information Associations (SCESCAL))[1] a dedicated web based application to store and review data of students

of his university is developed, where they managed to onboard each and every minor asset of college digitally and used a single login for the whole system which is a great disadvantage to overcome that we have two separate logins for both the management and faculty (users).

Our literature survey reviewed that most of the digital platforms for maintaining records used Content Delivery Network's[2] to develop their portals which is actually the best idea to host sites which have high usage among people, but we found using them locally on the server will result in less loading speed and faster content delivery compared to Content Delivery Networks.

Tarun K. Sen (Professor Emeritus, Pamplin College of Business, Virginia Tech Director, Entigence Corporation) mentioned about implementational challenges in his article (Enterprise Systems for Faculty Information In Universities)[3] like using a centralized database which inspired us to follow the same model in developing our application

### 3. PROPOSED METHODOLOGY

In the proposed methodology, in order to solve all the drawbacks and issues with the current system we implemented a digital portal which stores the data of the employees of an organization where all the services are single click away. Proposed system includes admin and faculty modules, where faculty can upload all their data and awaits for admin approval; finally college management[4] can generate monthly, quarterly and overall reports. Fig 3.1 describes about the total methodology.

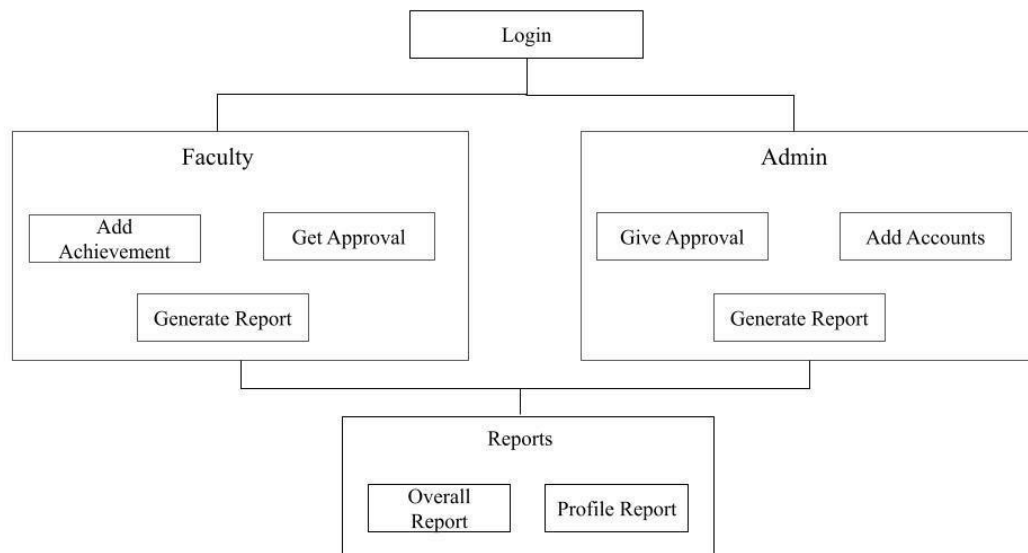


Fig 3.1: Project Functionality

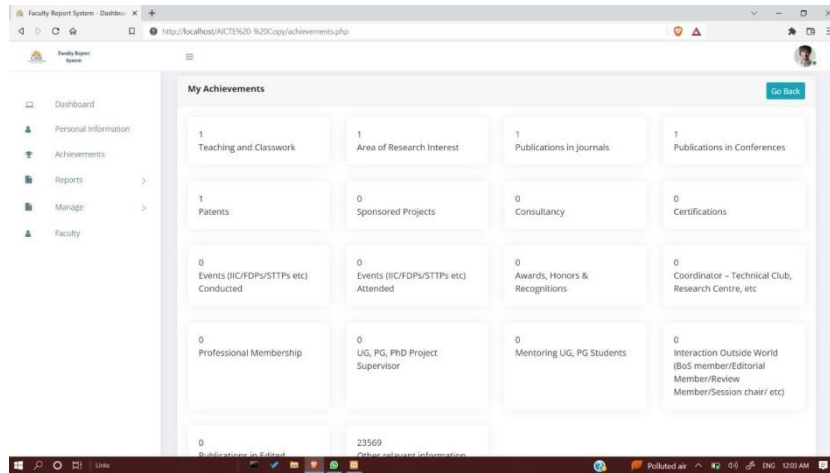
### 4. ELEMENTS REQUIRED

**Hosting Server:** This is where the web application is hosted and available to use for all its end users. To develop this project a hosting space of 100 GB SSD, Mysql Server, Minimum of 1 TB bandwidth and an FTP Account.

**SSL Certificate:** An Secure Socket Layer Certificate is must for platforms like these, An SSL Certificate is an electronic document used to prove the validity of a public key and ensures security.

**Domain:** A domain is needed in order to access the platform, every individual can not remember ip address of website, so domain makes the taks easier.

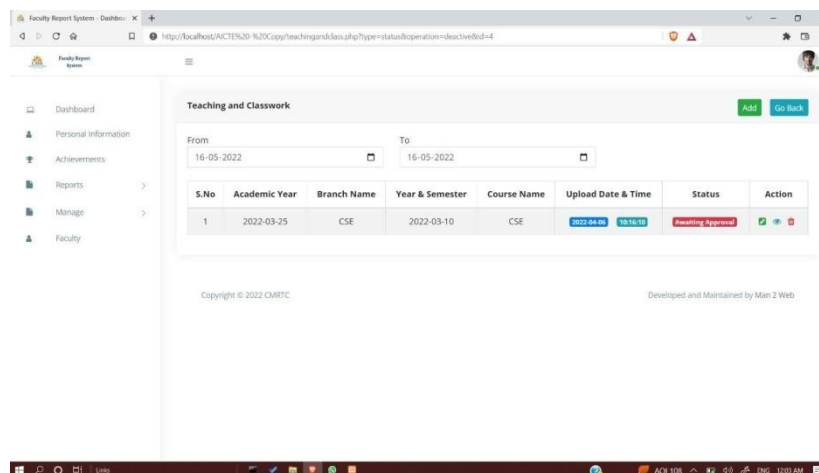
## 5. RESULTS



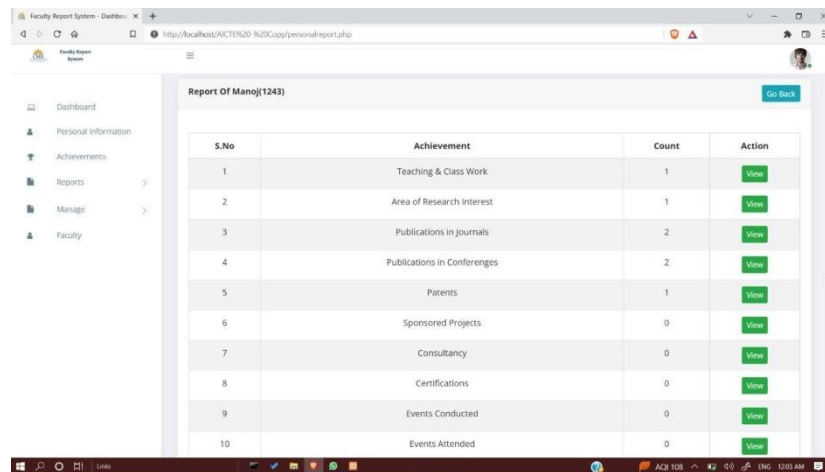
**Fig 5.1:** Screenshot Of Achievements Screen



**Fig 5.2:** Login Screen



**Fig 5.3:** Screenshot of Upload Achievements



Report Of Manoj(1243)

S.No	Achievement	Count	Action
1	Teaching & Class Work	1	<a href="#">View</a>
2	Area of Research Interest	1	<a href="#">View</a>
3	Publications in Journals	2	<a href="#">View</a>
4	Publications in Conferenges	2	<a href="#">View</a>
5	Patents	1	<a href="#">View</a>
6	Sponsored Projects	0	<a href="#">View</a>
7	Consultancy	0	<a href="#">View</a>
8	Certifications	0	<a href="#">View</a>
9	Events Conducted	0	<a href="#">View</a>
10	Events Attended	0	<a href="#">View</a>

**Fig 5.4:** Screenshot of Faculty Profile Report

## CONCLUSION AND FUTURE SCOPE

A college administration will be able to create a report on professors based on their accomplishments after the development of this suggested project, which will facilitate their job and lower overhead. The utilisation of this portal along with profile evaluation and faculty ranking raises the organization's national standing and profile value. To improve this platform's performance, it may be converted to a cloud-based platform in the future.

## REFERENCES

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