# Course File Generation Application

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**ABSTRACT- Course file generation application help user to manipulate, process the useful data collected from various sources available. This data collected is always in different formats and has to be sorted and converted in different formats every time whenever they are used. As a case study this application focuses on converting similar data into different formats as per user's requirements. The important characteristic signs of  products presented here is, it will used the same data stored and represent it different formats as per user requirements and also helps the staff to sort useful data. This product will generate results quickly and as early as possible. This data formats can be printed as well as saved into folders for further uses.**

**Keywords- Document Management System, Electronic System, Web-based System, System Analysis and Design.**

## I.    INTRODUCTION

The system for preparing academic course files is an important step in facilitating the process of communication between faculty members and academic committees in the departments of the Educational University. This system aims to solve the problems of submitting the files by hand to the committees. The aim of this research project is to design a system for archiving course files electronically which has the following characteristics [1].

Confidential information: The members can access the system in a secured way with a user name and password. The members can access the system easily and will get quick results.

The members can generate automated report by using the previous data of students.

Automatic Formatting of reports will be done with minimum time usage. Creating a good environment to the faculty and provide all the solutions to their problems.

The colleges are working manually for preparing the files for reviewing academics and this process is wasting time and efforts of the faculty members. The new electronic built system solved the problems in old used manual systems. The member can submit each part of the file independently.

The system has the following parts [1]:

**System Management:** This part is the process of access control to the system and give authorities to the faculty member.

**File Processing:** This program aims to organize the process of editing, formatting and making entries of proper data to files.

**File Management:** This software has aims to organize the whole process of upload, download course files.

**File Status:** This subsystem reviews the files and keep track of process being done it notify the faculty member about completion status of course file [5][6].

## II.    AIMS AND OBJCTIVES

### a)    AIM

The aim is to develop software which can be a secure and scalable way for course file management [1].

The complete software is designed to shorten, restructure, and systematize many aspects of work flow associated with course file, such as course data creation, managing report data, management of student data, submission of assignment marks, unit test marks, grading, handling regarded requests, and preparation of final formatted reports.

The archiving system for course files is very important for all departments in the University and the main aim of this system is to solve the problems related to submission the files by hand from faculty members to the Committees in the university faculties

### b) OBJECTIVE

The core objectives is to develop and to ensure that software for Course File Management should be in line with the needs of the college faculties and should help them to generate accurate and quick reports.

**Usability** – The complete process of installation will be simple to use with intermediate computer knowledge. All parts of the system must provide proper feedback and information as per the progress of the complete installation.

**Scalability** – The complete software will be built in a manner to support multiple user login. The installer will be flexible and admin panel will allow addition of new features and configurable modules.

**Compatibility** – The software will be compatible with all present versions of Windows OS.

## III.    LITERATURE SURVEY

The system developed for course file management is described as follows with their functions and drawbacks [1].

### Online System

Online solution was discovered to solve the problem of course file management system. The systems work on internet connections.

### ERP (Enterprise Resource Planning)

ERP forming PC programs is seen as a kind of colossal business application, that is modifying proposed to be used by progressively noticeable affiliations and a huge piece of the time requires submitted social events to re-endeavour and research the data and to regulate upgrades and sending. For self-overseeing affiliation separated, ERP applications are lightweight programming methodologies generally changed by express plans of activity.

### Web Based Application

An electronic application is any program that is gotten to over a structure connection utilizing HTTP, as opposed to existing inside a gadget's memory. Online applications on occasion continued running inside a web program. In any case, electronic applications moreover may be client based, where a bit of the program is downloaded to a customer's work locale, at any rate orchestrating is done over the web on an outside server Online applications are for the most part called web applications. Online applications genuinely join the majority of the applications that discussion with the client by techniques for HTTP. This joins light applications like Flash amusements, online number crunchers, logbooks, etc., also as legitimately thought applications, for e.g. electronic word processors and spread sheet applications.

### Moodle (Modular Object-Oriented Dynamic Learning)

Made scholarly models, Moodle is used for blended learning, separate guidance, flipped homeroom and other e-learning adventures in schools, universities, working conditions and diverse zones. With change the board features; it is used to make private destinations with online courses for educators and mentors to achieve learning goals.

Moodle (contraction for confined article organized incredible learning condition) considers expanding and fitting learning circumstances using system sourced module

### Offline System

### Manual File Process

Toward the beginning of a business, manual record documenting can be fast simple and essential. In any case, as your business develops manual documenting can turn into an awkward practice. In a bustling business world it is essential that you can record, find, and store reports in a brisk and powerful manner [3].

There are progressively effective courses in the present developing innovative world that can help keep your sorted out with a higher profitability level [3].

## IV.    EXISTING SYSTEM

Enterprise application is an ERP Software. That is software designed to be used by larger businesses and often requires dedicated teams to customize and analyse the data and to handle upgrades and deployment. In contrast, ERP applications are incompetent business management software solutions, ERP Application are customize for different business industry. Enterprise Resource planning originally derived from Manufacturing resource planning (MRP II) that displace material requirements planning (MRP).MRP is developed into ERP when Routing is became Primary section of the architecture of the Software and a planning activity of company's capacity also became a part of the standard software activity.

ERP frameworks normally handle the assembling, coordination's, circulation, and stock, transporting, invoicing, and representing an organization.

ERP programming can help in the control of numerous business exercises, including deals, showcasing, conveyance, charging, creation, stock administration, quality administration and human asset the executives.

ERP frameworks saw a substantial lift in deals during the 1990s as organizations confronted the Y2K issue in their heritage frameworks. Numerous organizations accepted this open door to supplant their heritage data frameworks with ERP frameworks.

This fast development in deals was trailed by a drop in 1999, at which time most organizations had officially executed their Y2K arrangement.

ERP are cross-useful and venture wide. Every single useful division that are associated with tasks or creation are incorporated in one framework. Notwithstanding fabricating, warehousing, coordination's, and data innovation, this would incorporate bookkeeping, HR, advertising and key administration.

### Disadvantages of ERP

Issues with ERP frameworks are basically because of deficient interest in progressing preparing for the included IT work force including those actualizing and testing changes, just as an absence of corporate strategy securing the trustworthiness of the information in the ERP frameworks and the manners by which it is utilized.

## V.    PROBLEM STATEMENT

In available methods all works are done on papers manually or by online website. The attendance in the available system is maintained in register books.

The unit test marks and mid-term exam marks are maintained on papers in files. The staff cannot access academic details easily as they had to search a large amount off papers maintained data and this searching for academic details is a time consuming process.

## VI.    PROPOSED SYSTEM

The electronic system for archiving academic course files is an important step in facilitating the process of communication between faculty members and academic committees in the departments of the Mumbai University. This system aims to solve the problems of submitting the files by hand to the committees. The aim of this research project is to design a system for archiving course files electronically [1].

The system has the following parts:

**System Management:** This part is the process of access control to the system and give authorities to the faculty member.

**File Processing:** This program aims to organize the process of editing, formatting and making entries of proper data to course files.

**File Management:** This program aims to organize the process of complete upload download of course file.

**File Status:** This subsystem review the files and keep track of process being done, it notify the faculty member about completion status of course file [5][6].

The system [5-6] is implemented using PHP (WAMP Server), ( My SQL ) and HTML5.

## VII.    ALGORITHM

**Login:**

1. Get Email Id & Password from user and if Email Id and Password is equal to the entered Email Id & Password.
2. Then login successful.
3. Else show message "Login Failed"
4. Back to login page.

**Get Username Get Password**

CHECK FOR LOGIN TABLE AND IF FILE EXISTS THEN READ Email Id & Password FROM FILE.
Email Id == Entered Email Id
Password == Entered Password
Login successful
ELSE PRINT
"Wrong Email Id or Password"

END IF
ELSE PRINT
"Login Successful Welcome to Course File Generation Application".

**Staff - View reports**
Staff login to account
Select View Report option
While View Reports
{
View Reports
Print Reports
Change Reports
}
Save changes
EXIT

**Staff – Generate Report**
Staff Login to account
Select Generate Report option
While Generate Reports
{
Enter details
Select Format
View Report
Save Report
Print Reports
} EXIT

**Staff – Update Report**

Staff Login to account
Select Update Report option
While Update Reports
{
Enter details
View Report
Select Format to be changed
Edit Reports
View Changed Report
Save Report
Print Reports
}
EXIT

**Administrator-Account Operation**
1. Admin login to account
2. Select login management tool
IF Select Manage User
{
View Exiting accounts
{
IF select remove user
{
Confirm
Print "Account Deleted Successfully"
}

EXIT

### Administrator - Time Table

1. Admin login account
2. Choose admin selection option
IF Add Time Table option chosen
{
Then go to Time Table Preview page Chose Course Name, Academic Year and Semester
View relevant time table
IF
already the Time Table already exists
Then update as preferable by admin
ELSE
Create new time table
Print "Time Table Created Successfully"
}
EXIT

### Administrator – Academic Calendar

1. Admin login account
2. Choose admin selection option
IF Academic Calendar is chosen
{
Then go to Academic Calendar Preview Page
Select Academic Year, Semester, Start Day of Semester.
View relevant Calendar Preview
IF already exists
Then
Update as preferable by admin
ELSE
Create New Academic Calendar
Print "New Academic Calendar Created Successfully"
}
EXIT

### Administrator - View All Staff Reports

1. Admin login to account
2. Choose View All Staff Report option
IF View All Staff Report option.
{
Then go to View All Report page.
Enter Academic Year, Semester, Subject, Staff Name,
IF Reports Available
{
View All Available Report Formats
While View All Report Formats
{
Edit Reports
Save Reports
{
Print Reports
}
Or
{
Download Reports

}
}
ELSE
{
Print "Reports Does Not Exist"
}
EXIT

## VIII.    MATHEMATICAL MODEL

1. *Total Work Load of Staff =*

*Total Periods Allocated To Staff* **X** *1 hour.*

2. *Average Marks =*

$$\frac{1st\ Unit\ Marks + 2nd\ Unit\ Marks}{2}$$

3. *Total Attendance =*

$$\frac{No.of\ lectures\ attended\ by\ student}{No.Of\ Lectures\ Conducted} \times 100$$

4. *Total Marks* $= \frac{Sum\ Of\ Total\ Marks}{Total\ No.\ of\ Practicals}$

## IX.    SYSTEM ARCHITECTURE

The system is designed to shorten, restructure, and systematise many aspects of the works associated with course file, such as course data creation, managing report data, management of student data, submission of assignment marks, unit test marks, grading, handling regarded requests and preparation of final formatted reports.

In contrast, course file management systems of which we are aware provide only particular solutions for particular components.

This software will be commonly used for course file generation and will provide high end result in less time consumption with accurate results.

In this software we implement the concepts we followed in designing the system and the described features that users found useful.
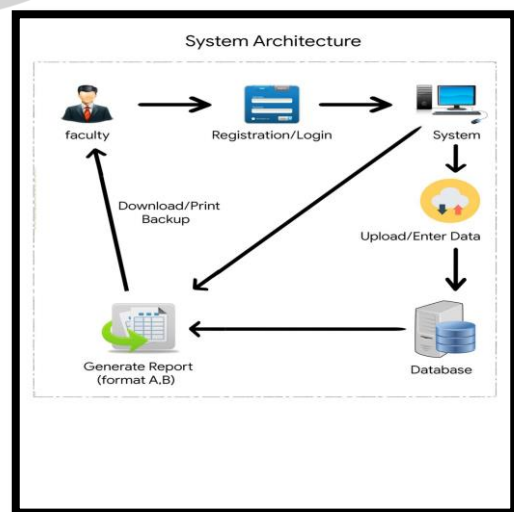


Fig. 1: System Architecture

## X.    ADVANTAGES

**Advantage of Course File Generation Application:-**

- ➢ It's a desktop application which will work offline without internet connectivity.
- ➢ The application will generate back files for every report.
- ➢ It will provide us automatically generated reports with desire formats.
- ➢ We can get printable reports.
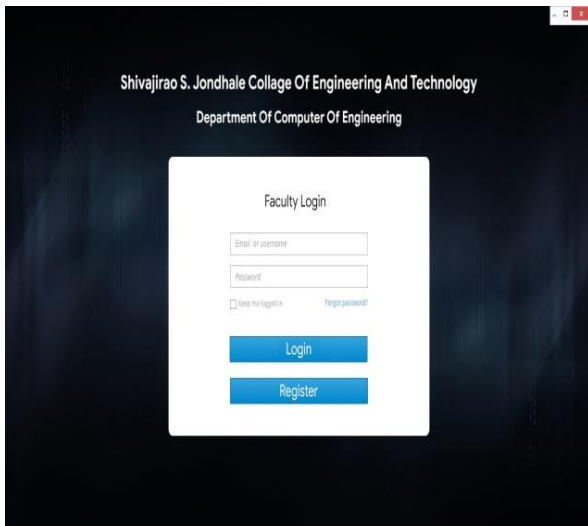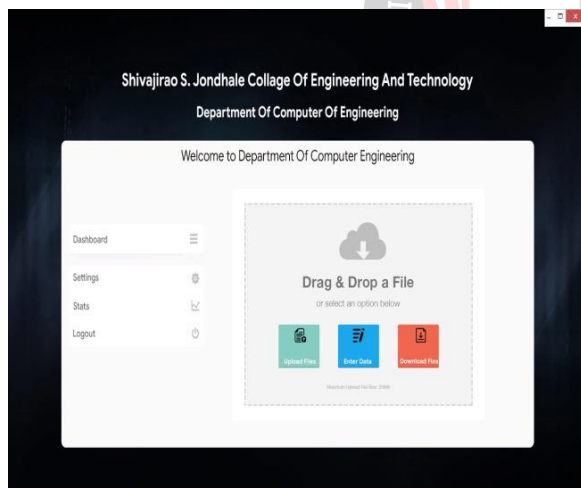
## XI.    DESIGN DETAILS



Fig.2: Login Page



Fig.3:  Home Page

## XII.    CONCLUSION

We have tried to implememt a software **"Course File Generation   Application"** by referring Zyad Shaaban, IJCSN International Journal of Computer Science and Network, Volume 3, Issue 5, October 2014 and by combining other papers. The future scope is limitless. The electronic system for archiving academic course files is an important step in facilitating the process of making course file automatically for faculty members and academic committees in the departments of the Mumbai University.

This system aims to solve the problems of submitting the files by hand to the committees. The aim of this research project is to design a system for archiving course files electronically. The departments in colleges have no proper electronic system to generate and save course files. The committees are working manually in receiving the files for review for academic purposes. The process is wasting time and efforts of the faculty members. The new electronic built system solved the problems in old used manual systems.

The most important data is sorted as per requirements and also presented into user defined formats which are printable and downloadable. The method has been implemented and integrated into a fully automated image-based system which is accessible on the desktop without use of internet

## XIII.    REFERENCE

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