Attendance Sheet Management System

Project Report
On
"Attendance Sheet Management System"

Centre for Converging Technologies

University of Rajasthan

J.L.N.Marg,Jaipur-302004

Phone:0141-2700370

E-mail-Id: ramgt88@gmail.com

Submitted By: **Guided By:**

Rameshwar lal Kumawat   **Ms. Abhilasha Daghi**

Sem (IV), Batch-2011   **CCT, Jaipur**

CERTIFICATE

This is to certify that this report embodies the original work done by RAMESHWAR LAL KUMAWAT during this project submission as a partial fulfillment of the requirement for the System Design Project of B.Tech-M.Tech Application IV Semester, of the Centre for Converging Technologies, Jaipur

A.K.NAGAWAT   Mr.
   Director   Assistant Professor
(CCT Department)
               Centre for Converging Technologies

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of people whose ceaseless cooperation made it possible, whose constant guidance and encouragement crown all efforts with success.

I am grateful to my project guide Ms. Abhilasha Daghi ma'am for her guidance, inspiration, and constructive suggestions that helpful me in the preparation of this project.

I also thank my colleagues who have helped with successful completion of this project.

<div align="right">Rameshwar lal Kumawat</div>

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SYNOPSIS

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Introduction:-

Attendance Sheet Management System is a web-based software developed for student attendance in schools, colleges, and other institutes. It facilitates to access the attendance information of a particular student in a particular class. The information is sorted by the operators, which will be provided by the teacher for a particular class. This system will also help in evaluating the attendance eligibility criteria of a student.

Purpose:-

The purpose of developing an attendance sheet management system is to computerize the traditional way of taking attendance. Another purpose for developing this software is to generate the report automatically at the end of the session or in between semesters.

Scope:-

This web-based software can be installed on a desktop computer or can be accessed online, i.e. the project is developed as a desktop application and it will work for a

particular institute. But later on, this project can be modified to operate online.

Attendance Sheet Management System

Technology Used:-

Language:-HTML, PHP, MySQL, CSS, JAVA, PYTHON.
Backend:-MS-Access, MS-Word, Notpad++.

System Requirement:-

Minimum RAM:-256 MB
Hard Disk:-40 GB
Processor:-Intel Pentium 4
Operating System:-Windows XP Service Pack2.Win 7, Win 8.

Overview:-

The attendance Sheet Management System has two main modules for proper functioning:

1. The first module is admin which has the right for creating space for a new batch. Any entry of new faculty, updation in the subject if necessary, and sending notifications.

2. Second module is handled by the user who can be a faculty or an operator. The user has a right of taking daily attendance and generating a report.

Attendance can be taken in two ways:

1. Based on subject and month.
2. Based on Class.

FEASIBILITY STUDY

Economically Feasibility:

The system being developed is economic concerning the school or college's point of view. It is cost-effective in the sense that it has eliminated the paperwork. The system is also time effective because the calculations are automated and are made at the end of the month or as per the user's requirement. The result obtained contains minimum errors and is highly accurate as the data is required.

Technical feasibility:

The technical requirement for the system is economic and it does not use any other additional hardware and software.

Behavioral Feasibility:

The system working is quite easy to use and learn due to its simple but attractive interface. The user requires no special training for operating the system.

Working of Present System at Colleges

In the present system, all work is done on paper. The whole session attendance is stored in a register and at the end of the session the reports are generated manually. Considering these disadvantages, We are not interested in generating a report in the middle of the session or as per the requirement because it takes more time to calculate. At the end of the session, students who don't have 75% attendance will get a notice.

DISADVANTAGES OF PRESENT WORKING SYSTEM

1. **Not User-Friendly:** The existing system is not user-friendly because the retrieval of data is very slow and data is not maintained efficiently
.
2. **Difficulty in report generating:** We require more calculations to Generate the report so it is generated at the end of the session. And the students do not get a single chance to improve their attendance.

3. **Manual control**: All calculations to generate a report are done manually so there is a greater chance of errors.

4. **Lots of paperwork**: The existing system requires a lot of paperwork. The loss of even a single register/record led to a difficult situation because all the papers are needed to generate the reports.

5. **Time-consuming**: Every work is done manually so we cannot generate a report in the middle of the session or as per the requirement because it is very time-consuming.

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CHARACTERISTICS OF THE PROPOSED SYSTEM

1. **User Friendly:-** The proposed system is user-friendly because the retrieval and storing of data are fast and data is maintained efficiently. Moreover, the graphical user interface is provided in the proposed system, which provides the user to deal with the system very easily.

2. **Reports are easily generated:** Reports can be easily generated in the proposed system so the user can generate the report as per the requirement (monthly) or in the middle of the session. Users can give the notice to students so he/she becomes regular in the classroom.

3. **No paperwork:** The proposed system requires no paperwork. All the data is feted into the computer immediately and reports can be generated through computers. Moreover work becomes very easy because there is no need to keep data on paper/register.

4. **Computer operator control**: Computer operator control will be there so no chance of errors. Moreover storing and retrieving information is easy. So work can be done speedily and on time.

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Admin Table:

S.No.	Field name	Data Type	Description
1.	User name	Text	Store user name for checking the correct username
2.	Password	Text	Store the password corresponding to the username
3.	User Type	Text	User Type Administrator or User

Teacher Table:

S.No.	Field name	Data Type	Description
1.	Teacher Id	Number	Unique key for Every Teacher
2.	Teacher Name	Text	Name of Teacher

Attendance Table:

S.No.	Field name	Data Type	Description
1.	. Student Name	Text	Name of Student
2.	Status	Number	Total number of classes attended by particular Student
3.	Semester	Text	In which Semester Student is Studying
4.	Subject	Text	Subject Wise Attendance Is Maintained
5.	Month	Text	The Month Wise Attendance is maintained where total working days in month=20

Subject Table:

S.No.	Field name	Data Type	Description
1.	Code	Number	Subject code a unique key

2.	Subject Name	Text	Name of Subjects in all semester
3.	Semester	Text	In which Semester student is studying

Student Table:

S.No.	Field name	Data Type	Description
1.	Student ID	Number	This is the roll no of the student
2.	Student Name	Text	This is the name of the student
3.	Course	Text	This is the course in which the students are studying. By default course is B.Tech-M.Tech.
4.	Semester	Text	This is the semester in which Students are Studying. By default, Semester is IV sem

Attendance Sheet Management System

Data Flow Diagram (DFD)

0 LEVEL DFD:
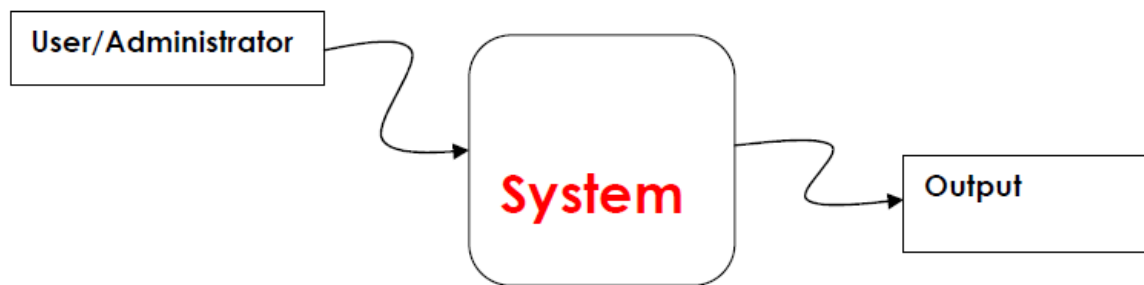
1-LEVEL DFD:
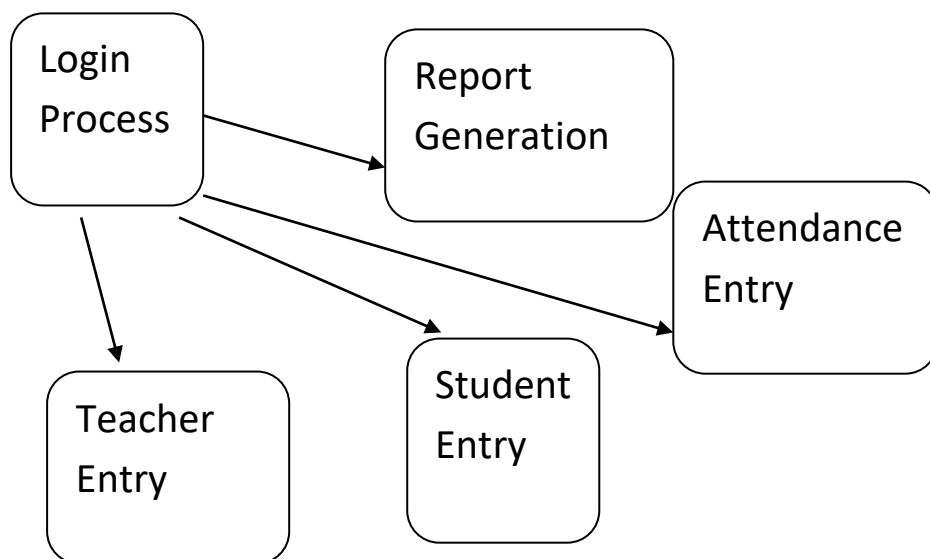
Attendance Sheet Management System
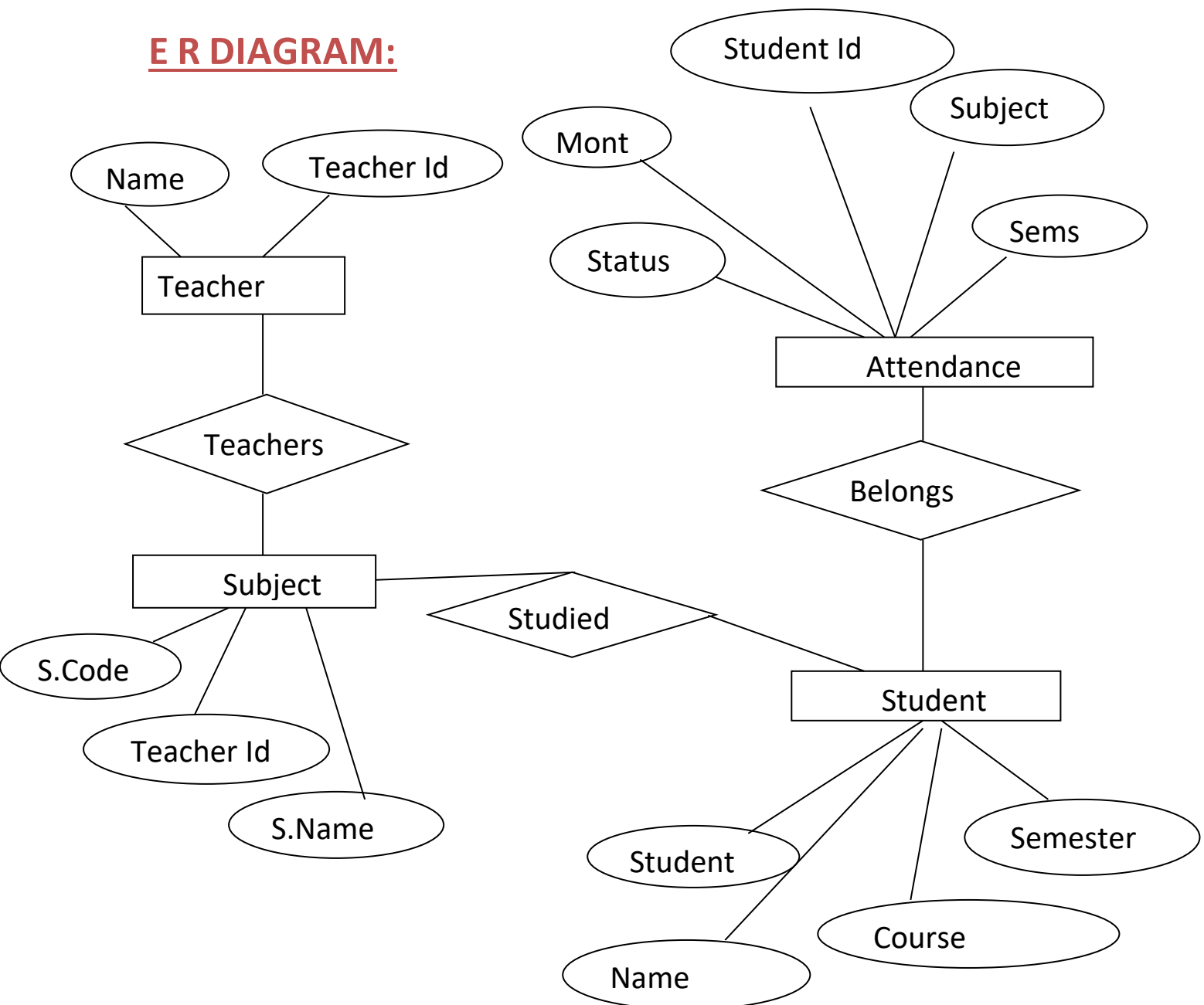
2-LEVEL DFD:

2.1:
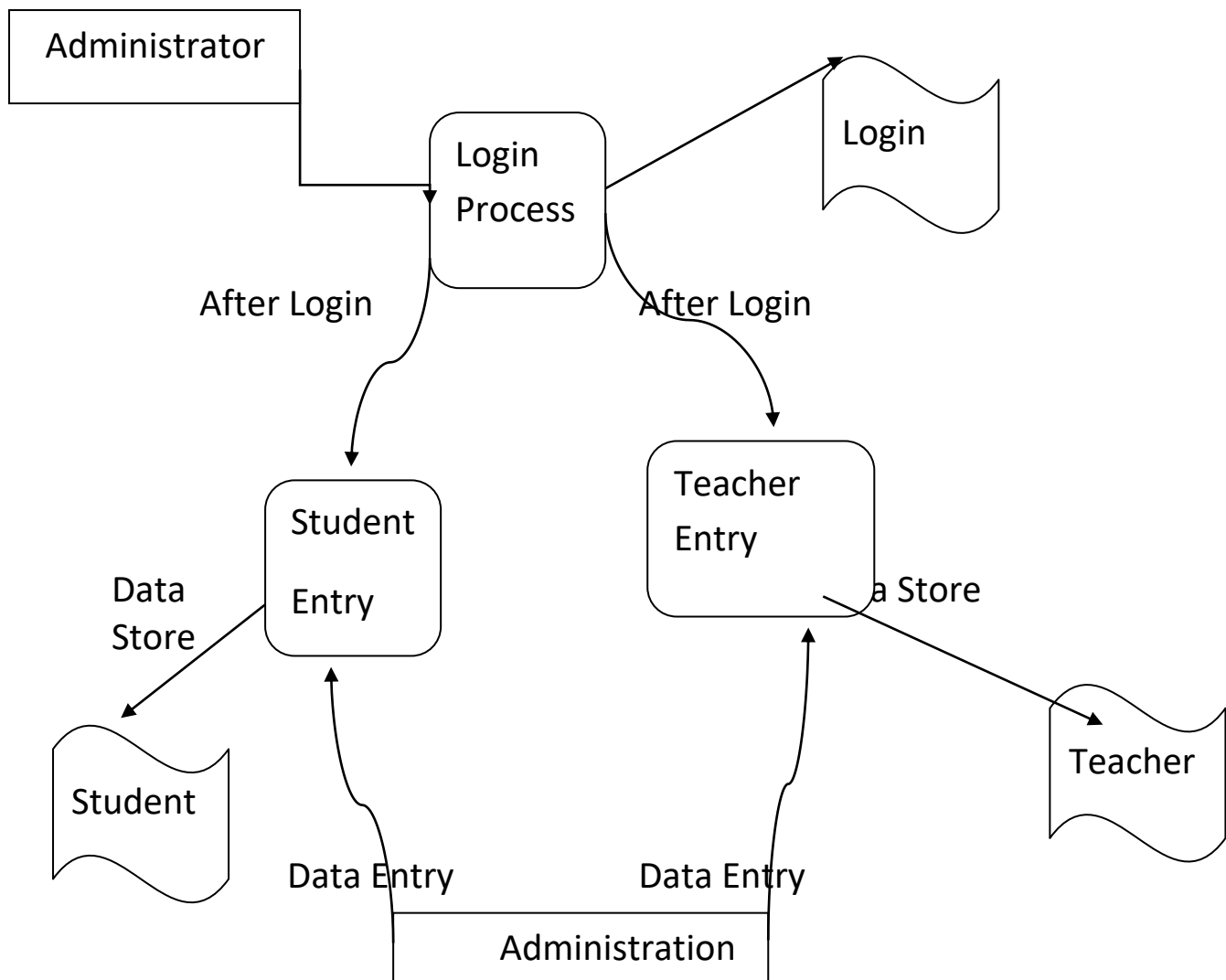
Attendance Sheet Management System
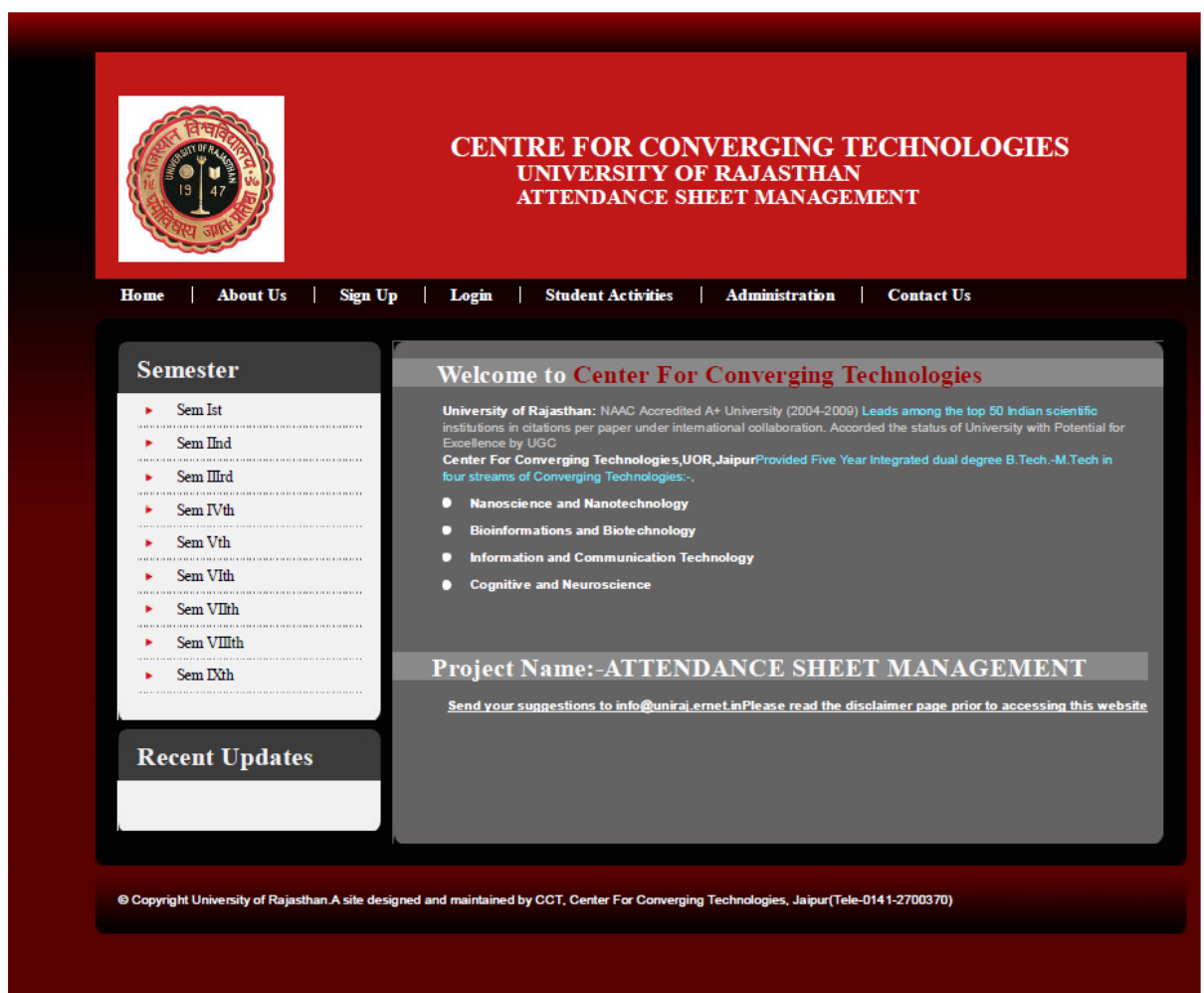
2.2 :
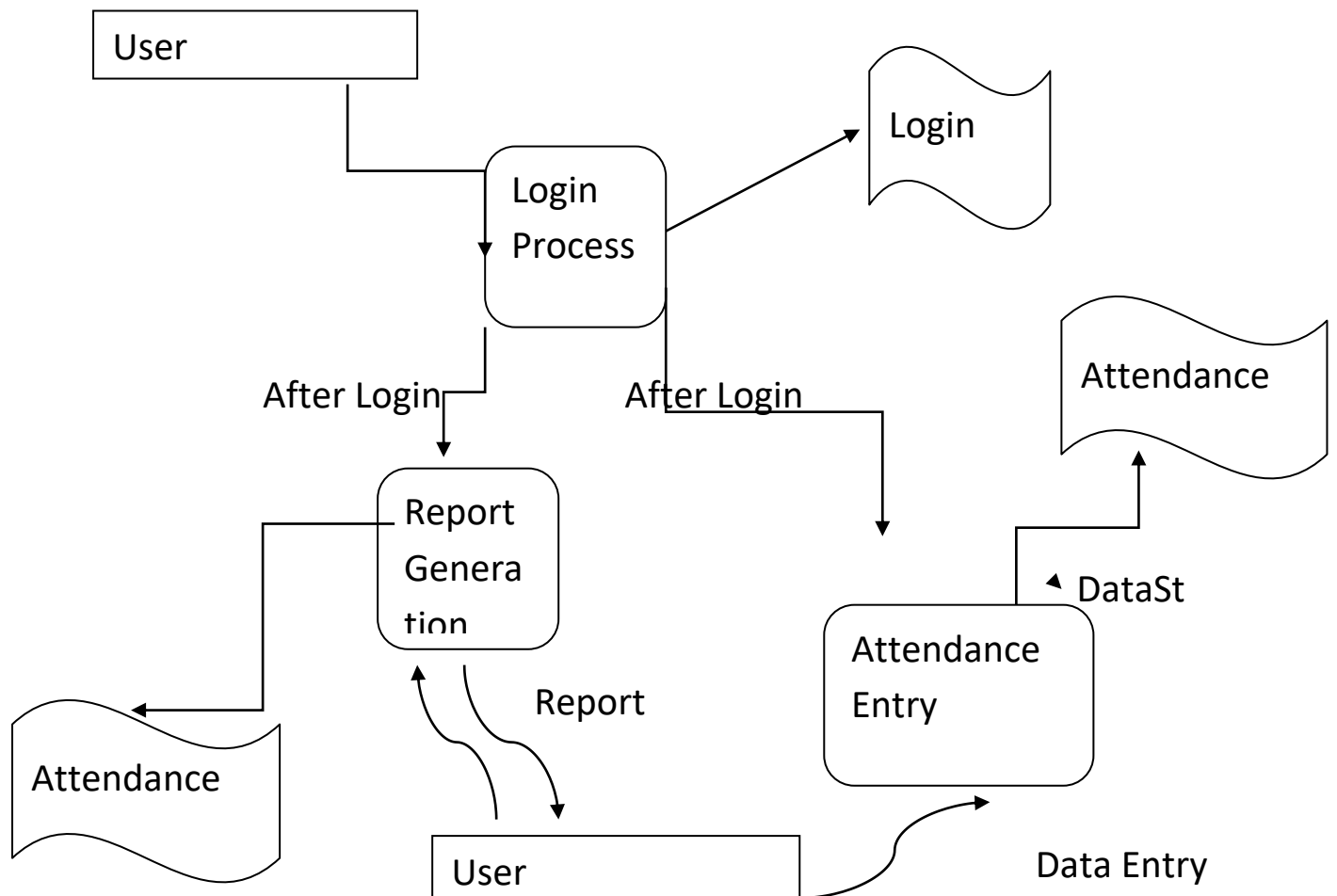
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E R DIAGRAM:

Attendance Sheet Management System

SCREEN SHOTS :

1. **Web Application:**

The Page Shown Here is The Main Web Application Page. This page contains information and links all pages. These are given below.

Attendance Sheet Management System

2. Login Form:

Welcome to CCT Login Portal

Faculty Login

Cctid

Password

SUBMIT

Click here to register more students

This login form is made for security purposes. So only authenticated users can access the system. There are two types of persons can enter in the project:

1. Administrator

2. User

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3. Add Information Form

This form is shown when the authorized administrator enters his correct User Name and Password. This Form gives the option to fill in the name of the students and the name of the teacher If a new faculty have joined.

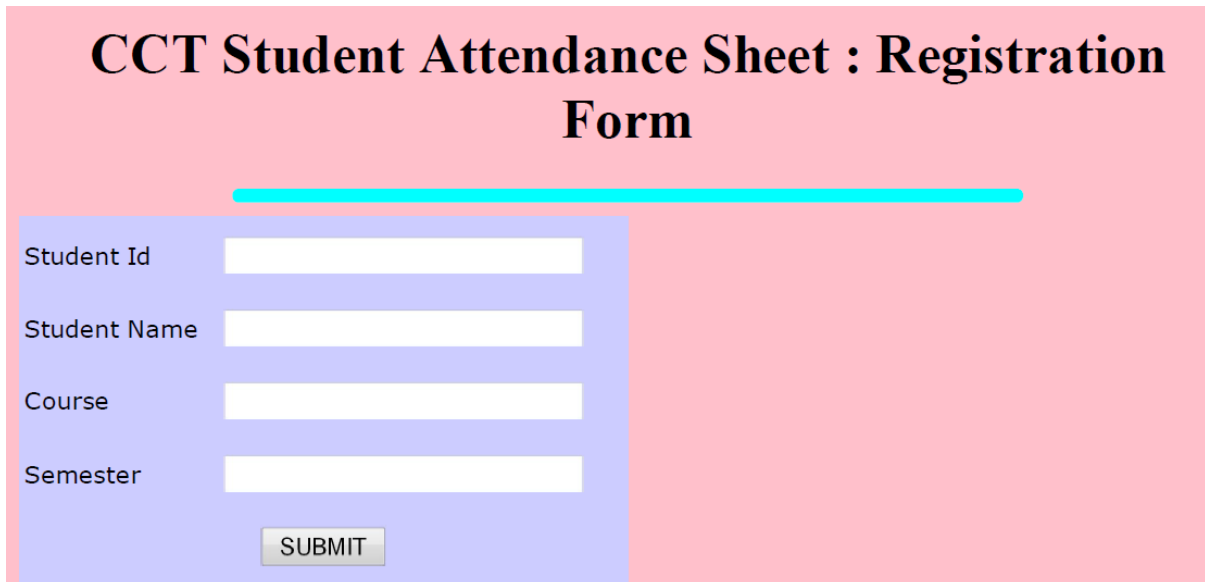# Attendance Sheet Management System

4. Teacher Information Form:

This Form is made for the Administrator to fill up the name of teachers when the teacher Id is changed automatically. If a new teacher joined the college his/her name also can be included in the system.

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5. *Student Registration Form:*

This form enables the Administrator to fill in the name of students and their Semester where the Student Id will change automatically when a Student is saved in the database. And the course will remain the same because this system is made for B.Tech-M.Tech Students only.

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6. User Form:

This form is opened when the user fills up his correct User Name and Password and User Type Is user. This form enables the User to fill up the attendance of every student and see which student is shortlisted and what is the total attendance of each student in a particular subject and month.

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7. *Semester Form:*

Semester Form

Semester Ist	Semester IInd	Semester IIIrd	Semester IVth
Semester Vth	Semester VIth	Semester VIIth	Semester VIIIth
Semester IXth	Cancel		

BACK

This form facilitates the user to choose a semester in which Attendance is to be filled. In this system, for example, in semester 4, so when the user clicks on Semester 4, the list of Semester 4 students will generate.

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8. **Attendance Form:**

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University of Rajasthan,Jaipur		
Dual Degree B.Tech-M.Tech. in Converging Technologies		
Attendance Sheet Theory Batch-2011 (IVth Sem,T1)		
Topic Covered:	Paper No:	
	Day & Date:	
	Time:	
	Name of the Teacher:	
	Sheet No.:--	
Roll No.	**Name of Student**	**Sign. of Student**
1	Abhineet Sharma	--
2	Aditi Pathak	--
3	Aditi Sharma	--
4	Akshat Jain	--
5	Akshay Jakhar	--
6	Akshay Kumar Kumhar	--
7	Akshdeep Singh	--
8	Ambika Rathore	--
9	Ankur Sanadya	--
10	Arvind Bhardwaj	--

This Form is used to choose subjects and the Day & Date for which attendance is to be filled up and show a list of students.

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9. Report Form

9.1. Short List Form:

Roll No.	Name of Student	Sign. of Student
1	Abhineet Sharma	--
2	Aditi Pathak	--
3	Aditi Sharma	--
4	Akshat Jain	--
5	Akshay Jakhar	--
6	Akshay Kumar Kumhar	--
7	Akshdeep Singh	--
8	Ambika Rathore	--
9	Ankur Sanadya	--
10	Arvind Bhardwaj	--
11	Aryav Yadav	--
12	Sakshi Kanoji	--
13	Bhagwan Singh	--

This form shows the list of Shortlisted students. We can see this list according to a subject, Roll. No., and month-wise. When the user clicks on Roll. No., it will generate a list accordingly.

Conclusion

The Attendance Sheet Management System is developed using HTML, PHP, MYSQL, and CSS and fully meets the objectives of the system in which it has been developed. The system has reached a Steady-state where all bugs have been eliminated. The System is operated at a high level of efficiency and all the teachers and users associated with the system understand Its advantage. The system solves the problem. It was intended to solve a requirement specification.

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Attendance Sheet Management System

Future Scope:

To Improvement In Attendance Sheet Management System, increases security purposes, applicable in schools, colleges, institutes, industries, and companies.