Institute of Management

JK Lakshmipat University, Jaipur

Web Development Report

On

"STUDENTS ATTENDANCE MANAGEMENT WEBSITE"

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(Submitted in partial fulfilment of the requirements for a BBA degree)

ACKNOWLEDGMENT

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We would also like to thank the group who was involved in the validation survey of this project. Without their passionate participation and input, the project could not have been successfully conducted.

Finally, we must express our very profound gratitude to our parents for providing us with unfailing support and continuous encouragement throughout our years of study, and through the process of completion of the project, this accomplishment would not have been possible without them.

Thank you.

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ABSTRACT

Student attendance management system deals with the maintenance of the student's attendance details. It is generates the attendance of the student on basis of presence in class. It is maintained on the daily basis of their attendance. the staffs will be provided with the separate username & password to make the student's status.

The staffs handling the subjects responsible to make the attendance for all students. Only if the student present on that period, the attendance will be calculated. The student's attendance reports based on weekly and consolidate will be generated

1. INTRODUCTION

This report gives an overview of the aim, objectives, background and operation environment of the system.

Attendance Management System is software developed for daily student attendance in schools, colleges and institutes. If facilitates to access the attendance information of a student in a class. The information is sorted by the operators, which will be provided by the teacher for a class.

1.1 PROJECT AIMS AND OBJECTIVES
This section discusses the project's goals and objectives that will be attained when it is completed. The following are the goals and objectives:
  ❖ keeps track of daily attendance
  ❖ working hours
  ❖ breaks
  ❖ login, and logout time

1.2 BACKGROUND OF PROJECT

Online Attendance Management System is an application developed for student's daily attendance in school. It helps to maintain the accurate record and generate summarized student attendance reports for the students by applying various criteria Online attendance management systems offer web login or device login facility. It is a digital platform which can automate daily attendance in schools. Such software usually comes with cloud-enabled technology to ensure data backup and easy access. The system helps in automating daily attendance in schools and other establishments. It also helps to maintain records and keep a track of the students. The system also provides virtual logins and logouts from any location. Students, staff and other faculties can easily log in to the system by clicking a button. You can also create flexible attendance policies using this system

1.3 **PROJECT SCOPE**
Student Attendance Management Website has a great scope:
- Accessed by an unlimited number of users
- Keep a track of the attendance of students and staff.
- Reduce the burden on teachers, administrators and staff
- Prevent proxy and manipulated data.
- Smoothen administration and school management
- Improve the productivity of an institution

1.4 **METHODOLOGY USED**
The software that has been used to develop Library Management System is WordPress and XAMPP as the database.

We have worked on few phases to reach this output i.e., Requirements, Designing, Creating, Integrating, Testing and Debugging.

2. ANALYSIS

The analysis includes the specifications, plug-ins used and the way this website is created.

2.1 <u>REQUIREMENT ANALYSIS</u>

Attendance management software is the essential requirement for each school, college or educational institute. The automation of attendance system frees teaching authorities from the mundane tasks & saves classroom time that will be invested for teaching students. Thus, we can say that the student attendance management software saves effort and time in maintaining attendance. Thus, it provides the best school attendance management software.

Requirements:
- Language: PHP & HTML
- Database Used: MySQL
- System Requirements: One PC
- Software Used: WordPress, XAMPP
- Plug-ins Used:
    - ✓ Envanto Elements – Envato Elements is an unlimited subscription service for digital assets, tailored to the needs of agencies, designers, marketers and other professionals who need items on a frequent or high-volume basis

    - ✓ Ocean Extra -Add extra features like widgets, metaboxes, import/export and a panel to activate the premium extensions.
    - ✓ WPSchoolPress - WPSchoolpress is a school management system plugin that makes school activities transparent to parents. For more information please visit our website.

✓ WPForms Lite -Beginner friendly WordPress contact form plugin. Use our Drag & Drop form builder to create your WordPress forms.
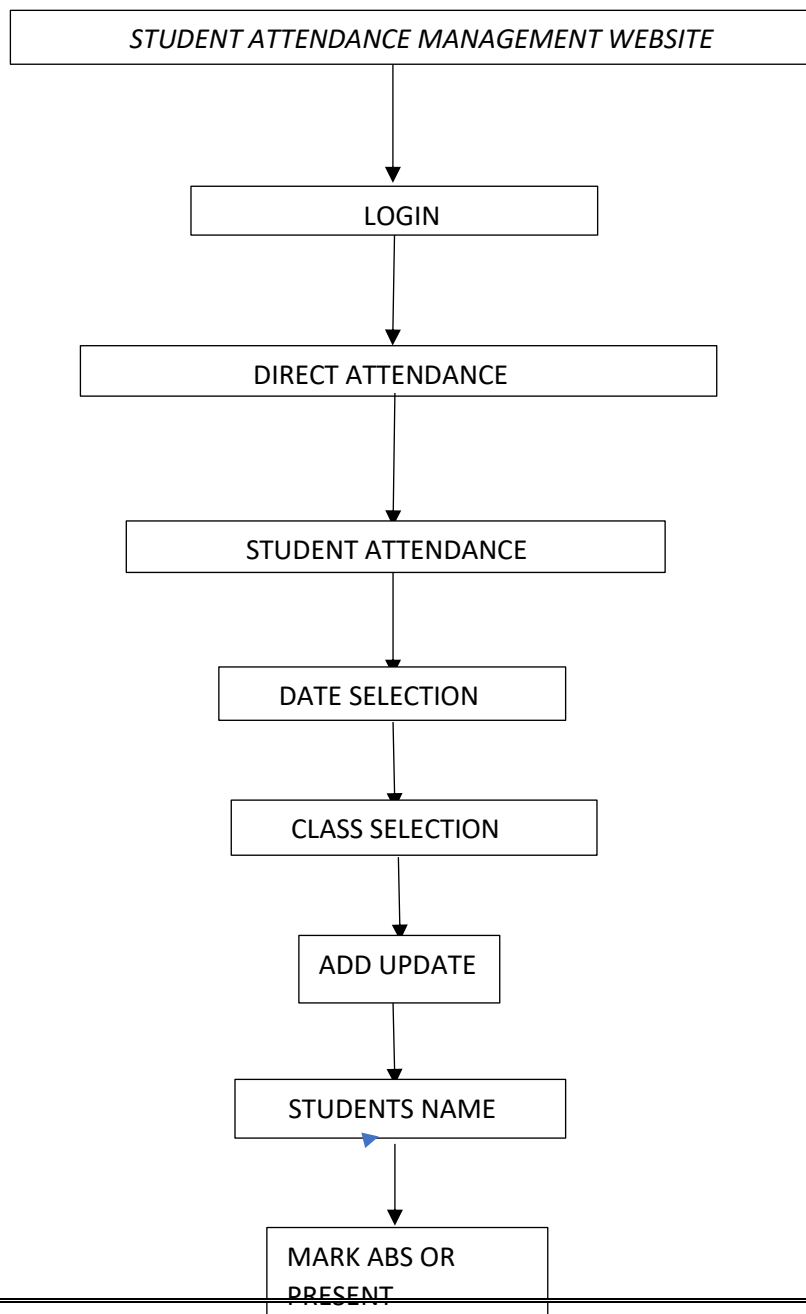
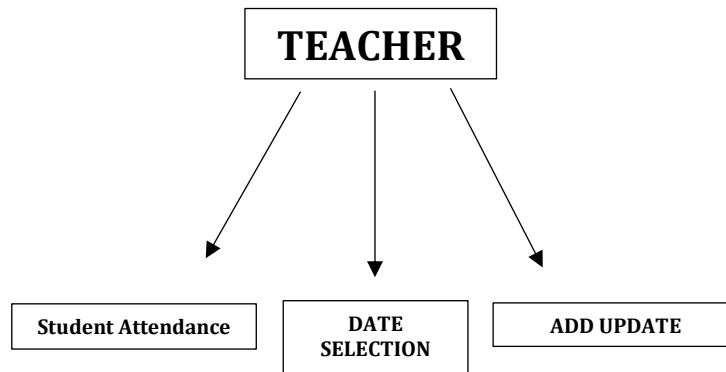🔸 **Theme - OceanWPVersion: 3.2.1**

By OceanWP

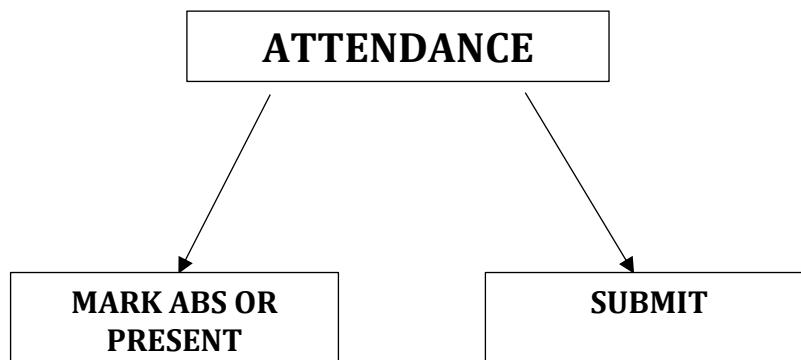2.2.**WEBSITE ANALYSIS**

The below is the website analysis flow-chart:

Flow-Chart 1: The flowchart shows the basic diagram.

```
┌─────────────────────────────────────────────┐
│  STUDENT ATTENDANCE MANAGEMENT WEBSITE       │
└─────────────────────────────────────────────┘
                      │
                      ▼
              ┌───────────────┐
              │     LOGIN      │
              └───────────────┘
                      │
                      ▼
          ┌───────────────────────┐
          │   DIRECT ATTENDANCE    │
          └───────────────────────┘
                      │
                      ▼
          ┌───────────────────────┐
          │   STUDENT ATTENDANCE   │
          └───────────────────────┘
                      │
                      ▼
             ┌──────────────────┐
             │  DATE SELECTION   │
             └──────────────────┘
                      │
                      ▼
             ┌──────────────────┐
             │  CLASS SELECTION  │
             └──────────────────┘
                      │
                      ▼
              ┌────────────────┐
              │   ADD UPDATE    │
              └────────────────┘
                      │
                      ▼
             ┌──────────────────┐
             │  STUDENTS NAME    │
             └──────────────────┘
                      │
                      ▼
             ┌──────────────────┐
             │  MARK ABS OR      │
             │  PRESENT          │
             └──────────────────┘
```

Flow-Chart 2: ADDING UPDATE

```
                    ┌─────────────┐
                    │   TEACHER   │
                    └─────────────┘
             ┌────────────┼────────────┐
             ▼            ▼            ▼
   ┌──────────────────┐ ┌──────────┐ ┌──────────────┐
   │Student Attendance│ │   DATE   │ │  ADD UPDATE  │
   │                  │ │SELECTION │ │              │
   └──────────────────┘ └──────────┘ └──────────────┘
```

Flow-Chart 3: ATTENDANCE MODULE

```
              ┌──────────────┐
              │  ATTENDANCE  │
              └──────────────┘
          ┌─────────┴─────────┐
          ▼                   ▼
   ┌──────────────┐    ┌──────────────┐
   │ MARK ABS OR  │    │    SUBMIT    │
   │   PRESENT    │    │              │
   └──────────────┘    └──────────────┘
```

2.2 **PROBLEM SPECIFICATIONS**

➢ **Reduce Manual Work :** Student attendance system helps teachers to mark online attendance of students during class & reduce manual work. It is used to track student's attendance, absentee record, attendance history & other related documents

➢ **Members Record:** It stores all the details of students in a class. It makes convenient to both teachers and students.

- ➢ **Cost Reduction:** As previously mentioned, a paper-based system can lead to inaccurate information but you can eliminate this by introducing a high-quality attendance monitoring system. The software significantly reduces tardiness and absenteeism

- ➢ **Get Comfort:** The normal time-taken for recording attendance for each class will be overtaken by this software that suggests that the teachers do not have to create any manual efforts

- ➢ **Alerts Parents:** Using the attendance management software makes it simple for the parents to get the automatic alerts daily that the students aren't in class. It will not at all be possible in the manual attendance system however, using school management system, which stores all communication data of parents, it's simple than ever for the parents to be updated on their children daily school attendance. It helps the parents to stay abreast of number of classes that are missed by their kid**.**

3. PROJECT MODULES

3.1   <u>CONCEPTS AND TECHNIQUES</u>
The project is divided into different concepts and techniques:

- **<u>Front End:</u>**

<u>PHP:-</u> PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers. Originally created by 15 Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP: Hypertext Pre processor, a recursive backronym. PHP code is interpreted by a webserver with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications. PHP is free software released under the PHP License. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

<u>MySQL:</u> MySQL("My S-Q-L", officially, but also called "My Sequel") is (as of July 2013) the world's second most widely used open-source relational database management system (RDBMS). It is named after co-founder Michael Widenius daughter, My. The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation . MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web

application software stack (and other 'AMP' stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full-featured database management system often use MySQL. For commercial use, several paid editions are available, and offer additional functionality.

3.2 **TESTING**

We tried finding the solutions for the bugs so when the user opens the website it must be bug-free. So, it must be test before launching.

3.3 **SCREENSHOTS**
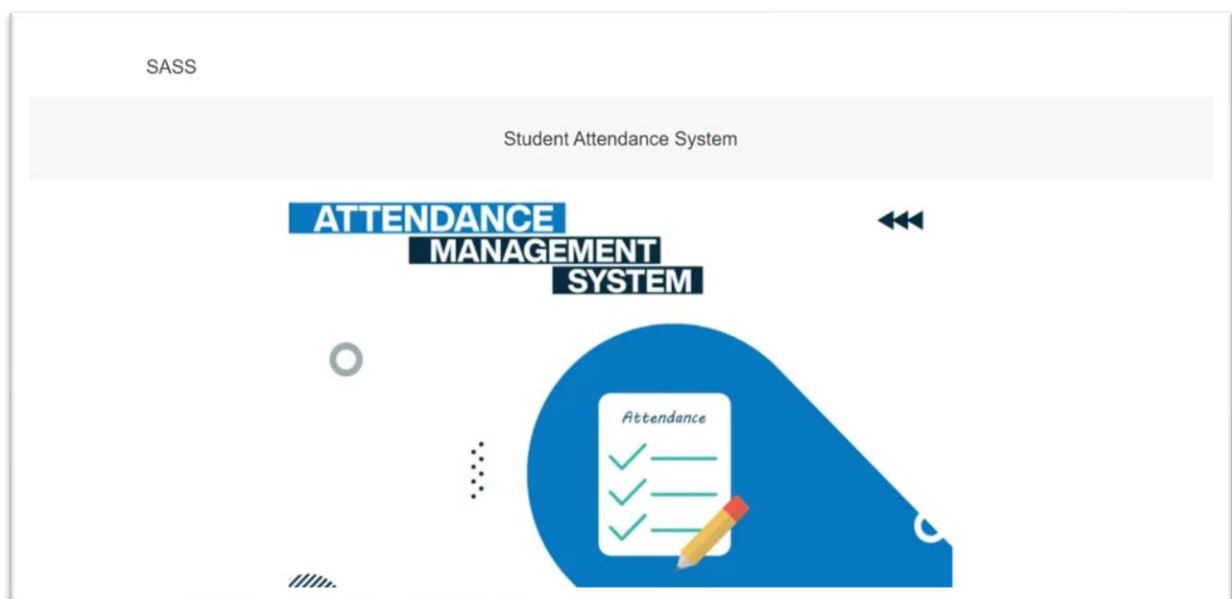
Diagram 1: STUDENT ATTENDANCE MANAGEMENT WEBSITE
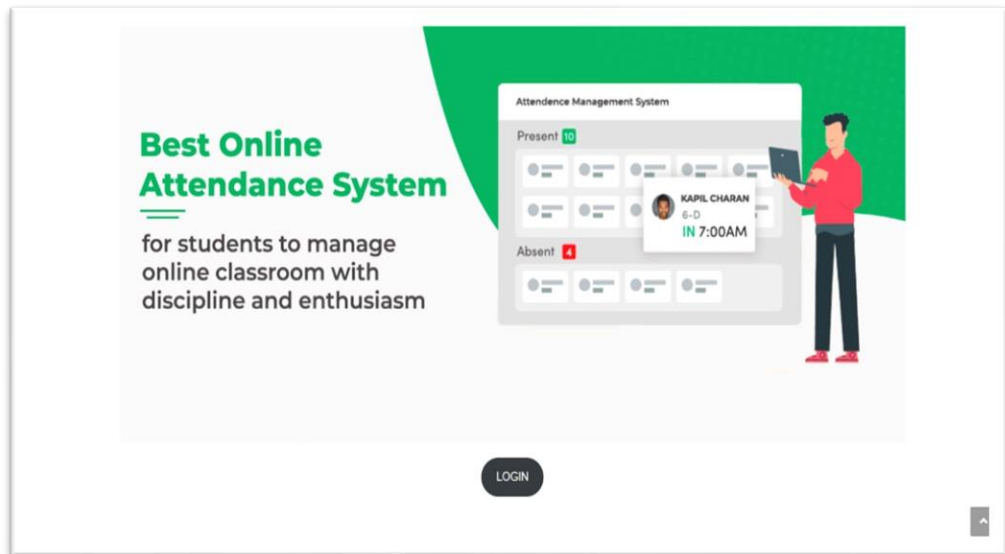
Diagram 2: INTRODUCTION

Diagram 3: DASHBOARD

	Roll No. ⇅	Full Name ⇅	Parent ⇅	Street Address ⇅	Phone ⇅	Action
☐	1	puneet verma		jaipur, Rajasthan		👁 👤 ✏ 🗑
☐	29	navneet gupta		cdsvhckadkxcvksacd		👁 👤 ✏ 🗑
☐	2	shrey verma		jaipur, Rajasthan		👁 👤 ✏ 🗑
☐	3	ashray verma		jaipur, Rajasthan		👁 👤 ✏ 🗑
☐	5	sanyam verma		jaipur, Rajasthan		👁 👤 ✏ 🗑
☐	6	nikhi verma		jaipur, Rajasthan		👁 👤 ✏ 🗑
	Roll No.	Full Name	Parent	Street Address	Phone	Action
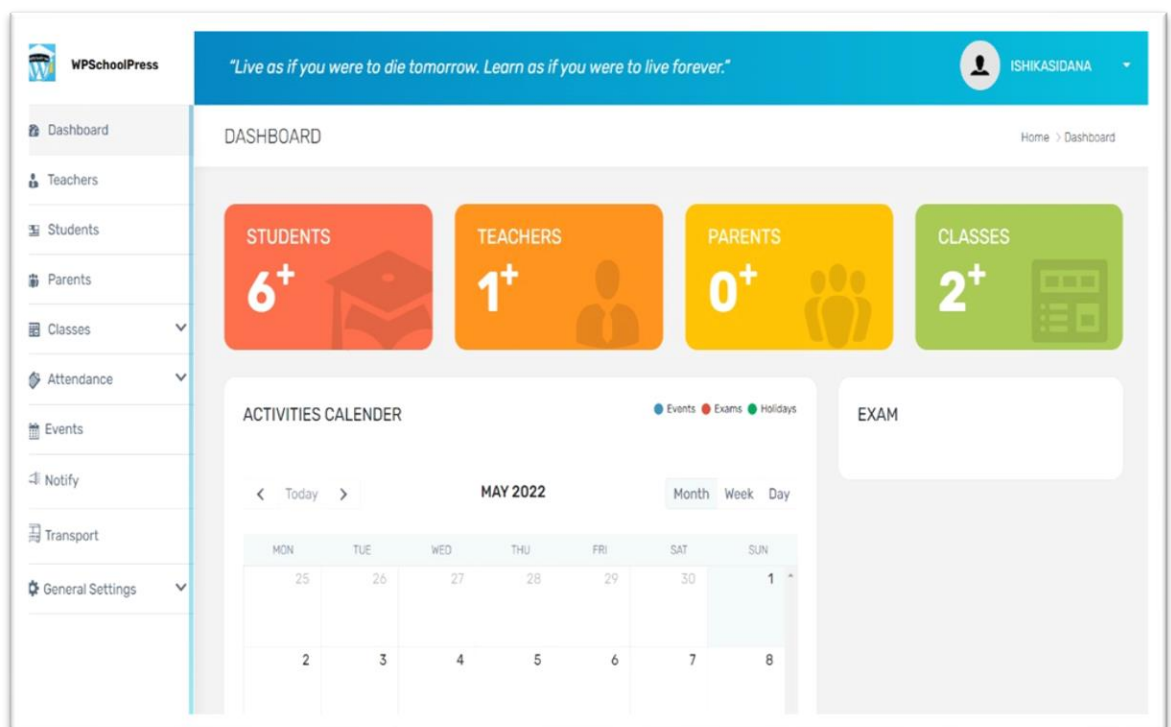
Select Class Name   All

🖨 Print ▾   ⬆ Import   ⬆ Export ▾

Select Action

Search...

Show 10 entries Showing 1 to 6 of 6 entries
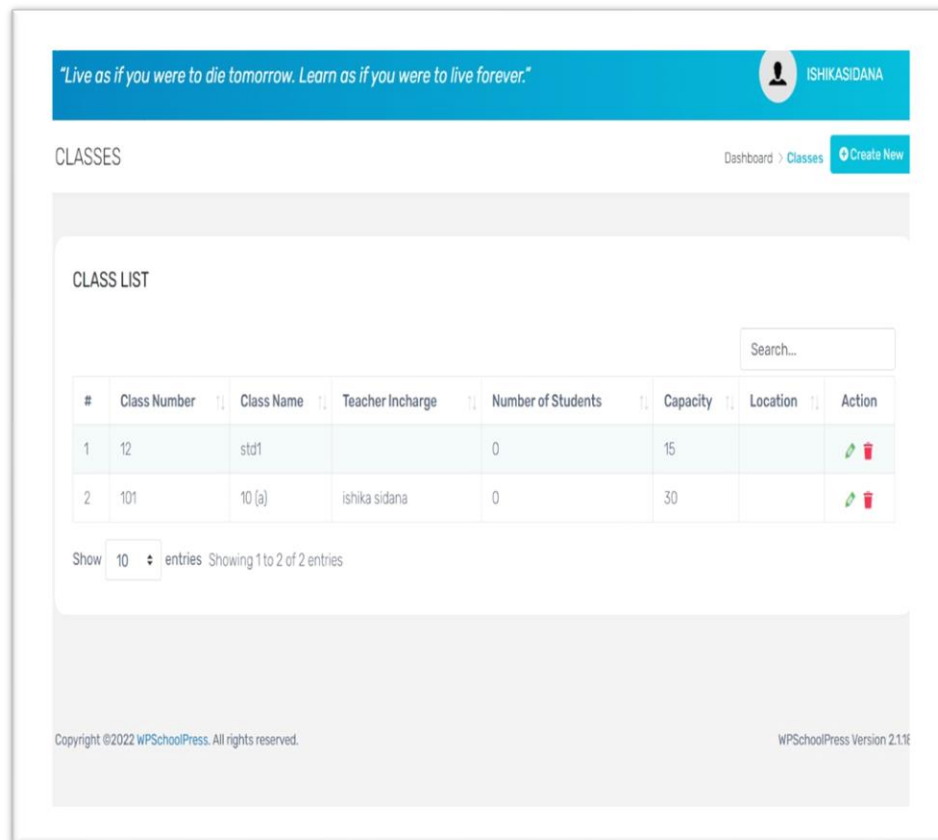
DIAGRAM 4 – LIST OF STUDENTS

DIAGRAM 5 – CLASS LIST

4. IMPLEMENTATION

Implementation is the important stage of project when the theoretical design is tuned into practical system. The main stages in the implementation are as follows:

✓ Planning
✓ Training
✓ System testing and
✓ Changeover Planning,

Planning is the first task in the system implementation. At the time of implementation of any system people from different departments and system analysis involve. They are confirmed to practical problem of controlling various activities of people outside their own data processing departments. The line managers controlled through an implementation coordinating committee. The committee considers ideas, problems and complaints of user department, it must also consider:

- ❖ The implication of system environment

- ❖ Self- selection and allocation for implementation tasks

- ❖ Consultation with unions and resources available

- ❖ Standby facilities and channels of communication

Student Attendance management system will implement student details, staff handle subjects details, separate login details, time table details. It will used to entered subject wise attendance. This application elaborates attendance table generate weekly, consolidate report provide to the End user. Mostly this application will calculate date wise attendance. To select starting date to end date generate reports at the time of activities

5.CONCLUSION

This website provides a computerized version of Student Attendance Management Website system which will benefit the students as well as the staff of the school & colleges. It makes entire process online. This system overcome many limitations incorporated in attendance, this system saves a great amount of time and reduces errors which may occur during attendance calculation. The system we have developed is fully responsive which can be used in mobile, tablets and different operating systems. Some other benefits are,
- ❖ Automated and web-based for easy accessibility.

❖ It is a dynamic and flexible system.
❖ It excludes paperwork and the possibility of making mistakes while using paper for taking attendance
❖ It is very user friendly and handy
❖ The records of current and previous can be available in prompt and an immediate

6.FUTURE ENHANCEMENTS

This system is aimed at total user-friendly as well as efficient management of varied tasks. These tasks may range from registering new students, managing fees payment, examination management to all the essential features necessary for making the administrative division of school effective. The project has a very vast scope in future. The project can be implemented on intranet in future. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the proposed software of database Space Manager ready and fully functional the client is now able to manage and hence run the

entire work in a much better, accurate and error free manner. The following are the future scope for the project.

- ❖ Discontinue of particular student eliminate potential attendance.
- ❖ Bar code Reader based attendance system.
- ❖ Individual Attendance system with photo using Student login

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