

FIRST 2 PAGESS PROJECT DETAILSSSS

ABSTRACT

The Online Attendance Management System is a web-based application designed to simplify the tracking, management, and reporting of student attendance in real-time. Faculty members can sign up, log in, mark attendance efficiently, view attendance records, and generate reports, while students do not have login access. The system provides detailed reports and visualizes attendance patterns through charts and graphs to help analyze trends. It also enables the management of user accounts, classes, and student records, along with system settings such as notifications. With a user-friendly interface accessible across devices, the system enhances the efficiency of attendance tracking and management for educational institutions.

Key features of the system include real-time attendance tracking, ensuring that data is instantly available for viewing and analysis. Faculty members can efficiently generate reports using visual tools like charts and graphs to monitor patterns and trends. The system supports user management by enabling seamless control over faculty accounts, student data, and class records. With a responsive design, the platform works smoothly on desktops, tablets, and mobile devices, making it accessible anytime and anywhere, thus optimizing attendance management processes.

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INTRODUCTION

In educational institutions, accurate and efficient attendance tracking is critical for ensuring smooth academic operations and facilitating student performance evaluations. Traditional methods, such as manual roll-calls or paper-based records, are often time-consuming, prone to human error, and difficult to manage on a large scale. With advancements in technology, institutions are moving toward digital solutions that streamline attendance management, offering real-time updates and accessible data for stakeholders.

The Online Attendance Management System addresses these challenges by providing a webbased platform specifically designed for the needs of educational environments. This system allows faculty to mark, view, and report student attendance efficiently, supporting instant data availability for analysis and decision-making. The solution offers a user-friendly interface compatible with various devices, ensuring ease of use and accessibility for faculty members. By integrating real-time data tracking and visual tools such as charts and graphs, the platform also enables detailed trend analysis, aiding educators in identifying patterns in attendance and addressing any concerns proactively.

This system not only focuses on attendance tracking but also provides functionalities for managing user accounts, class records, and other relevant settings, such as notification preferences. Ultimately, the Online Attendance Management System is a comprehensive tool that enhances the operational efficiency of attendance processes, creating a smoother experience for educational institutions.

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SYSTEM SPECIFICATION

2.1 HARDWARE SPECIFICATION

PROCESSOR	Intel core
RAM	8GB
HARD DISK DRIVE	476.92GB
MOUSE	Standard Mouse
KEYBOARD	Standard keyboard
MONITOR	SVT Colour Monitor

2.2 SOFTWARE SPECIFICATION

OPERATING SYSTEM	Windows 11
PROGRAMMING LANGUAGE	PHP
USER INTERFACE	HTML, CSS
DATABASE	MYSQL

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MODULES

3.1. User Authentication Module

Description: Manages faculty login and registration.

Features:

Faculty signup and secure login.

Password reset functionality.

Purpose: Ensures only authorized faculty members can access the system, enhancing data security.

3.2. Attendance Management Module

Description: Core module for marking and recording student attendance.

Features:

Real-time attendance marking.

Filtering by date, class, or student.

Options for daily or periodic attendance marking.

Purpose: Simplifies attendance tracking, making it quick and accurate for faculty members.

3.3. Student Data Management Module

Description: Maintains student-related information and records.

Features:

Adding, updating, or deleting student records.

Organizing students by classes or courses.

Purpose: Provides a centralized repository for student details, streamlining record management.

3.4. Class and Course Management Module

Description: Manages information related to classes and courses.

Features:

Adding or modifying class schedules and courses.

Assigning faculty to specific classes.

Purpose: Facilitates easy organization and management of classes and academic schedules.

3.5. Reporting and Analytics Module

Description: Generates detailed attendance reports and analytics.

Features:

Attendance reports by class, date, or individual student.

Visualizations through charts and graphs for attendance trends.

Purpose: Enables faculty to analyze attendance patterns and make data-driven decisions.

3.6 Responsive Interface Module

Description: Ensures the system works seamlessly across devices.

Features:

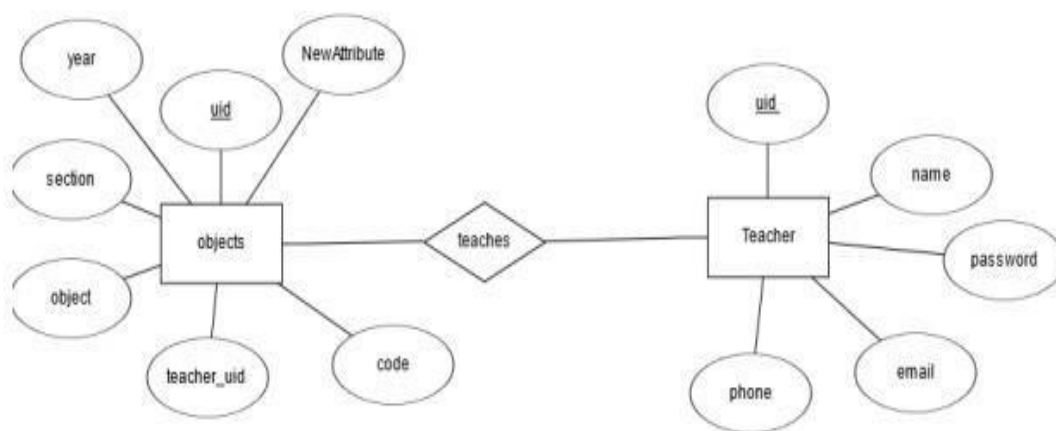
Responsive design for desktops, tablets, and mobile devices.

Optimized layout adjustments based on screen size.

Purpose: Enhances accessibility, allowing faculty to use the system anytime, anywhere.

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ER DIAGRAM



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SAMPLE CODE

```
<?php session_start(); $isIndex = 1; if(array_key_exists('teacher_id',
$_SESSION) && isset($_SESSION['teacher_id'])) { header('Location:
teacher.php');
} else { if(!$isIndex) header('Location:
index.php');
}
?>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/style.css"/>
<title>Student Attendance</title>
<link rel="stylesheet" href="css/bootstrap.min.css">
<link rel="stylesheet" href="css/bootstrap-theme.min.css">
<script src="js/jquery.min.js"></script>
<script src="js/bootstrap.min.js"></script>
<script src="js/login.js"></script>
<!-- Custom styles for this template -->
<link href="navbar-fixed-top.css" rel="stylesheet">
<!-- Add Font Awesome for Icons -->
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/5.15.4/css/all.min.css">

<!-- CSS for Background Image and Animations -->
<style>    body {        background-image:
url('path/to/your/image.jpg');        background-size:
cover;        background-position: center;        background-
attachment: fixed;
    }

    .fade-in {        animation:
fadeIn 2s ease-in;
    }
```



```

    @keyframes fadeIn
    {
        from {
opacity: 0;
        }
        to {
opacity: 1;
        }
    }

    /* Scroll to top button */
#myBtn {
    display:
none;
    position: fixed;
bottom: 20px;
    right:
30px;
    z-index: 99;
font-size: 18px;
    border:
none;
    outline: none;
background-color: #008CBA;
color: white;
    cursor:
pointer;
    padding: 15px;
    border-
radius: 4px;
    }

    #myBtn:hover {
backgroundcolor: #555;
    }
</style>
</head>
<body>

<!-- Fixed navbar -->
<nav class="navbar navbar-inverse navbar-fixed-top">
    <div class="container">
        <div class="navbar-header">
            <button type="button" class="navbar-toggle collapsed" data-toggle="collapse"
data-target="#navbar" aria-expanded="false" aria-controls="navbar">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="index.php">Online Attendance</a>
        </div>
        <div id="navbar" class="navbar-collapse collapse">

```



```

                                <ul class="nav navbar-nav navbar-
right">
    <li class="active"><a href="#">Home</a></li>
    <li><a href="#" data-toggle="modal" data-target="#aboutModal">About</a></li>
    <li><a href="#contact">Contact</a></li>
</ul>
</div><!--/.nav-collapse -->
</div>
</nav>

<!-- About Modal -->
<div class="modal fade" id="aboutModal" tabindex="-1" role="dialog"
arialabelledby="aboutModallabel" aria-hidden="true">    <div class="modaldialog"
role="document">
    <div class="modal-content">
        <div class="modal-header">
            <h5 class="modal-title" id="aboutModallabel">About the Online Attendance
Management System</h5>
            <button type="button" class="close" data-dismiss="modal" aria-label="Close">
                <span aria-hidden="true">&times;</span>
            </button>
        </div>
        <div class="modal-body">
            The Online Attendance Management System is a web-based application designed to
simplify the tracking, management, and reporting of student attendance in real-time.
Faculty members can sign up, log in, mark attendance efficiently, view attendance records,
and generate reports, while students do not have login access. The system provides detailed
reports and visualizes attendance patterns through charts and graphs to help analyze
trends. It also enables the management of user accounts, classes, and student records,
along with system settings such as notifications. With a user-friendly interface accessible
across devices, the system enhances the efficiency of attendance tracking and management
for educational institutions.
        </div>
        <div class="modal-footer">
            <button type="button" class="btn btn-secondary"
dataddismiss="modal">Close</button>
        </div>
    </div>
</div>
</div>

<!-- Main Content -->
<div class="container" style="margin-top: 60px;">
    <h2 class="fade-in">For Students</h2>
    <h4>Click here for <a href="student.php">Student Dashboard</a></h4>
<hr>
    <h2 class="fade-in">For Faculty</h2>

```

```
<div class="alert alert-warning hidden">  
  <span></span>
```



```

        <input      class="form-control"  placeholder="Email"   type="email"
name="email">
    </div>
    <div class="form-group">
        <label>Password</label>
        <input      class="form-control"  placeholder="Password"   type="password"
name="password">
        <span class="help-block">Password should be 6 characters long.</span>
    </div>

    <div class="form-group">
        <label>Re-type Password</label>
        <input class="form-control" placeholder="Re-type Password"
type="password" name="password2">
    </div>
    <button class="btn btn-primary pull-right">Sign Up</button>
</form>
</td>
</tr>
</tbody>
</table>
</div>

<!-- Footer -->
<footer style="background: #222; color: #fff; padding: 20px 0;">
    <div class="container">
        <p>DBMS project developed by Nayan, Libin, Hari, and Hanoch</p>
        <ul class="list-inline">
            <li class="list-inline-item"><a href="https://facebook.com" target="_blank"><i
class="fab fa-facebook"></i> Facebook</a></li>
            <li class="list-inline-item"><a href="https://twitter.com" target="_blank"><i
class="fab fa-twitter"></i> Twitter</a></li>
            <li class="list-inline-item"><a href="https://linkedin.com" target="_blank"><i
class="fab fa-linkedin"></i> LinkedIn</a></li>
        </ul>
    </div>
</footer>

<!-- Scroll to Top Button -->
<button onclick="topFunction()" id="myBtn" class="btn btn-primary">Top</button>
<!-- Scripts for Scroll-to-Top and Tooltip -->
<script>
    // Scroll to Top Functionality          var mybutton
= document.getElementById("myBtn");
window.onscroll = function() {scrollFunction()};
function scrollFunction() {

```



```
        if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {  
mybutton.style.display = "block";           } else {           mybutton.style.display =  
"none";  
        }  
    }      function topFunction() {  
document.body.scrollTop = 0;  
document.documentElement.scrollTop = 0;  
    }  
  
    // Initialize Tooltip  
    $(function () {  
        $('[data-toggle="tooltip"]').
```

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SCREENSHOTS

HOME PAGE

Online Attendance
Home
About
Contact

For Students
Click here for [Student Dashboard](#)

For Faculty

Login
Email ID
nayan@gmail.com
Password
.....
☐ Remember me
Login

Sign Up
Name
Name
Phone Number
Phone
Date of Birth
dd / mm / yyyy
Email ID
nayan@gmail.com
Password
.....
Password should be 6 characters long.
Re-type Password
Re-type Password.
Sign Up

DBMS project developed by Nayan, Libin, Hari, and Hanoch
[Facebook](#) [Twitter](#) [LinkedIn](#)

AFTER LOGIN

Online Attendance
Dashboard
Profile
Statistics
About
Contact
Logout

Welcome , Nayan.
Click on a class to take attendance.

Code : CST-301
Section : 1
Year : 2024
Classes : 3

Code : CST-302
Section : 1
Year : 2024
Classes : 1

+

CLASS CREATION

Online Attendance
Dashboard
Profile
Statistics
About
Contact
Logout

Welcome , Nayan.
Click on a class to take attendance

Code : CST-301
Section : 1
Year : 2024
Classes : 3

Code : CST-302
Section : 1
Year : 2024
Classes : 3

Add Class

2024

Code , Eg : COE-322

Choose Section

Choose Semester

Starting Roll Number (Eg. 201/CO/12)

Ending Roll Number (Eg. 265/CO/12)

Add Class
Cancel

ATTENDANCE MARKING

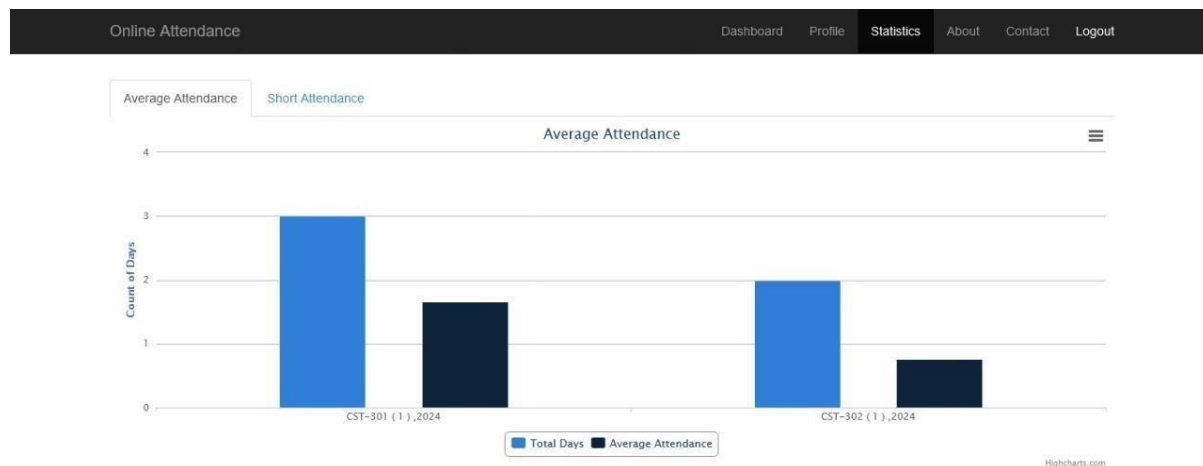
Online Attendance
Dashboard
Profile
Statistics
About
Contact
Logout

Welcome , Nayan
Class : CST-302 (1) 2024
Number of Classes conducted : 1

Help me!
Send

100/PN/24: 1 A x	101/PN/24: 1 A x	102/PN/24: 1 A x	103/PN/24: 1 A x	104/PN/24: 1 A x	105/PN/24: 1 A x
106/PN/24: 1 A x	107/PN/24: 1 A x	108/PN/24: 0 A x	109/PN/24: 1 A x	110/PN/24: 1 A x	111/PN/24: 1 A x
112/PN/24: 1 A x	113/PN/24: 1 A x	114/PN/24: 0 A x	115/PN/24: 1 A x	116/PN/24: 0 A x	117/PN/24: 0 A x
118/PN/24: 1 A x	119/PN/24: 1 A x	120/PN/24: 0 A x			

Statistics



STUDENT DASHBOARD

Online Attendance

Home About Contact

Teacher : Nayan

Subject : CST-301

Total Classes : 3

Attendance Tracker

Date	Presence
Wed Nov 06 2024	1.0

Percent : 66

Year of course

2024

Section

1

Subject Code of Course

CST-301

DDD-NNN where D : Department , N : Number

Roll Number

100/PN/24

NNN/DD/YY where N : Number, D : Department , Y : Year

Get Results

Developed by Nayan, Hanoch, Libin, Hari | DBMS Project

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CONCLUSION

The Online Attendance Management System offers a modern, efficient solution to the challenges faced by educational institutions in tracking and managing student attendance. By digitizing and automating attendance processes, this system reduces the time and effort required from faculty, enhances data accuracy, and provides instant access to attendance records. With features such as real-time tracking, detailed reporting, and visual analytics, educators can easily monitor attendance trends and make proactive decisions to support student engagement and performance.

Overall, the Online Attendance Management System optimizes attendance tracking, making it a valuable tool for enhancing operational efficiency in educational environments. By streamlining administrative tasks and improving data accessibility, it supports educational institutions in fostering a more organized and supportive learning environment

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REFERNCES

MySQL 5.5 Command Line Client mysql-connector-j-9.1.0.jar

<https://youtube.com/playlist?list=PLjVLYmrlmjGeyCPgdHL2vWmEGKxcpsC>

0E&si=yGqFpuBQkWLgsF_X

<https://www.youtube.com/playlist?list=PL0eyrZgxdwhwwQQZA79OzYwl5ewA7HQih>