

MINI PROJECT

(2020-21)

ATTENDANCE MANAGEMENT SYSTEM

SYNOPSIS



Institute of Engineering & Technology

Submitted To:

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Acknowledgment

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.

We owe a special debt of gratitude to Mr. Sharad Gupta, Assistant Professor Department of CEA, for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work. His sincerity, thoroughness and perseverance is been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also taught us about the latest industry-oriented technologies.

We also do not like to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

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ATTENDANCE MANAGEMENT **SYSTEM**

(Web Development)

1.1 Definition:

Attendance Management System is a software application developed for daily attendance in institutes (schools, colleges, workplaces). It facilitates access to the attendance information of a particular person. The information can further be used for visualization, validation, correction and analysis of trends by the authorities. This system will also help in evaluating attendance eligibility criteria of a student.

1.2 Purpose:

The purpose of developing attendance management system is to computerize the legacy way of attendance management. Another purpose for developing this application is to generate the reports automatically as required by the admin.

1.3 Scope:

The scope of this project is the system on which the application is installed, i.e. the project is developed as a desktop application and it will work for a particular institute. Later the project can be expanded to cross platform utility.

1.4 Overview:

It has two primary modules for independent functioning -

- First module is the admin which has the right to create space for new batch, any entry of new faculty, updating subject and sending notice.
- Second module is handled by the user which can be a faculty or operator having the right of making daily attendance generating reports.

Cont ents

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Abstract

Acknowledgement

1. Introduction

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Motivation

The motivation for doing this project was primarily an interest in undertaking a challenging project in an interesting area of research. The opportunity to learn about a new area of computing not covered in lectures was appealing.

Apart from it reason for developing this application is to reduce the complexity of the existing attendance system by easing certain manual processes and implementing certain automations to reduce time and effort.

Future Prospects

The project has a very vast scope in the future. This project can be expanded according to the requirements of the institution. Some of the future scope include but not limited to:

- Report Generation
- Data Visualization based on selections
- Cross Platform Implementation

Requirements

a) Hardware:

- External Hard Drives or DVDs
- Internet
- Minimum 2GB RAM
- i3 Processor
- 1024x765 Display

b) Software:

- **Operating System**(Window 7 or Above, Ubuntu)
- **Programming Language**
 - JAVA/Python
- **Front End**
 - HTML, CSS, JAVASCRIPT, BOOTSTRAP, jQuery
- **Back End**
 - PHP
 - MySQL/MariaDB
- **Tools**
 - Jupyter Notebook
 - Java Netbeans
 - Sublime Text Editor
 - Xampp

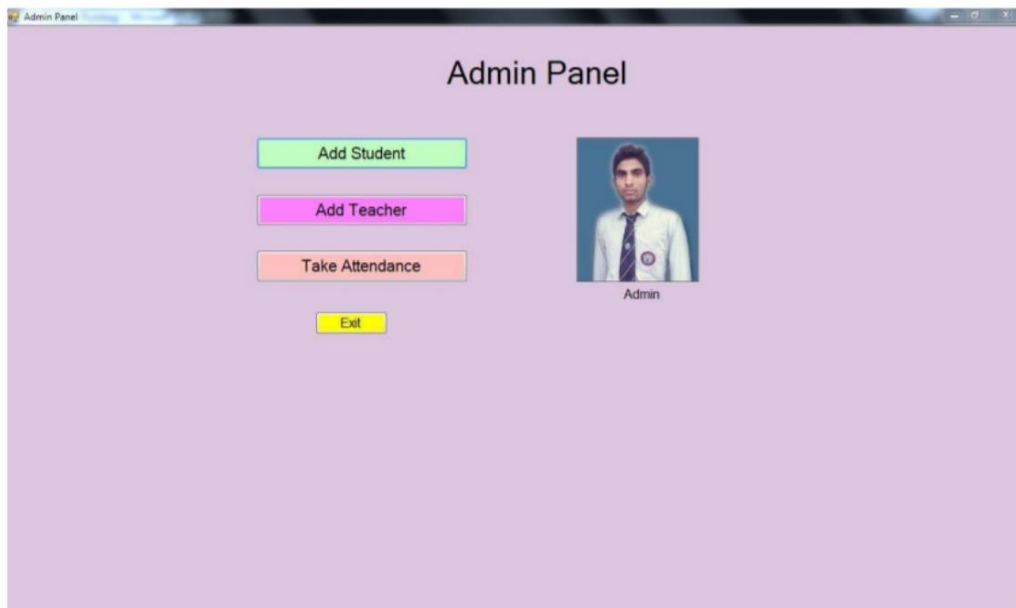
Snapshots

Login Page:-



The screenshot shows the login page of an "Attendance Management System". The page has a light purple background. At the top center, the title "Attendance Management System" is displayed in a large, bold, black font. To the right of the title is a small yellow "Exit" button. Below the title, there is a large image of a group of seven students (four boys and three girls) standing together. On the left side of the page, there are two login sections. The first section is titled "Teacher Login" and includes a small icon of a teacher. It has input fields for "Teacher Name" and "Password", a "Show Password" checkbox, and buttons for "Login", "Clear", and "Forgot Password". Below these fields, it says "Teacher can add Student And Take Attendance". The second section is titled "Student Login" and includes a small icon of a student. It has input fields for "Student Name" and "Password", a "Show Password" checkbox, and buttons for "Login", "Clear", and "Forgot Password". Below these fields, it says "Student login with Username And Password and View Reports". On the right side of the page, there is a third login section titled "Admin Login" with a small icon of an admin. It has input fields for "Admin Name" and "Password", a "Show Password" checkbox, and buttons for "Login", "Clear", and "Forgot Password". Below these fields, it says "Admin can add Student and Teacher And Take Attendance".

Admin Panel:-



The screenshot shows the "Admin Panel" of the "Attendance Management System". The panel has a light purple background. At the top center, the title "Admin Panel" is displayed in a large, bold, black font. Below the title, there are three buttons arranged vertically: "Add Student" (green), "Add Teacher" (pink), and "Take Attendance" (orange). Below these buttons is a small yellow "Exit" button. To the right of the buttons, there is a small image of a man in a white shirt and tie, labeled "Admin" below it.

Add Teacher

TeacherID	TeacherName	MobileNo	Email	Password
1	Ankur Sir	1234567890	abc@gmail.com	

Search

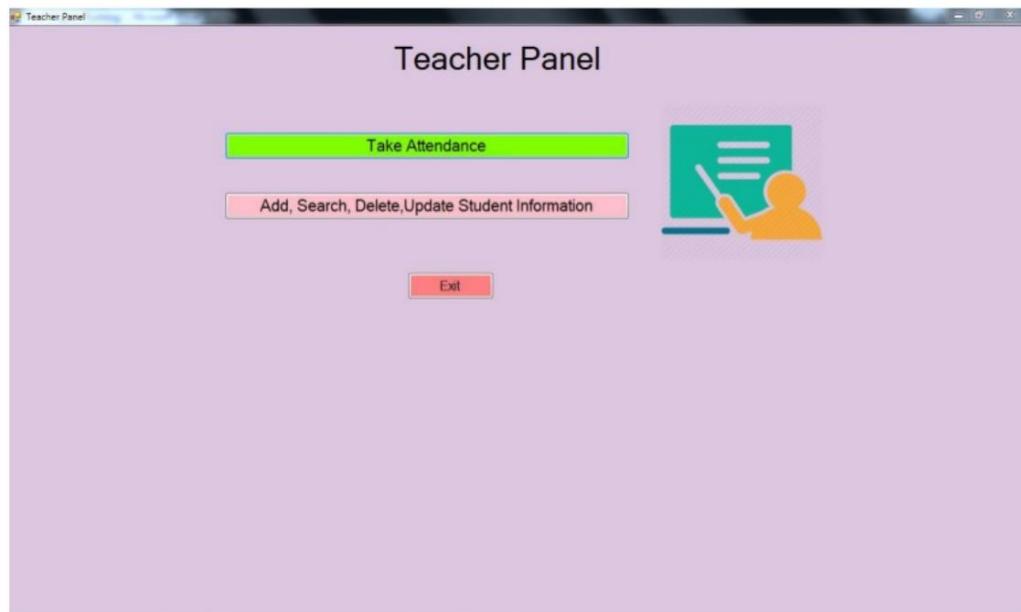
Edit

Delete

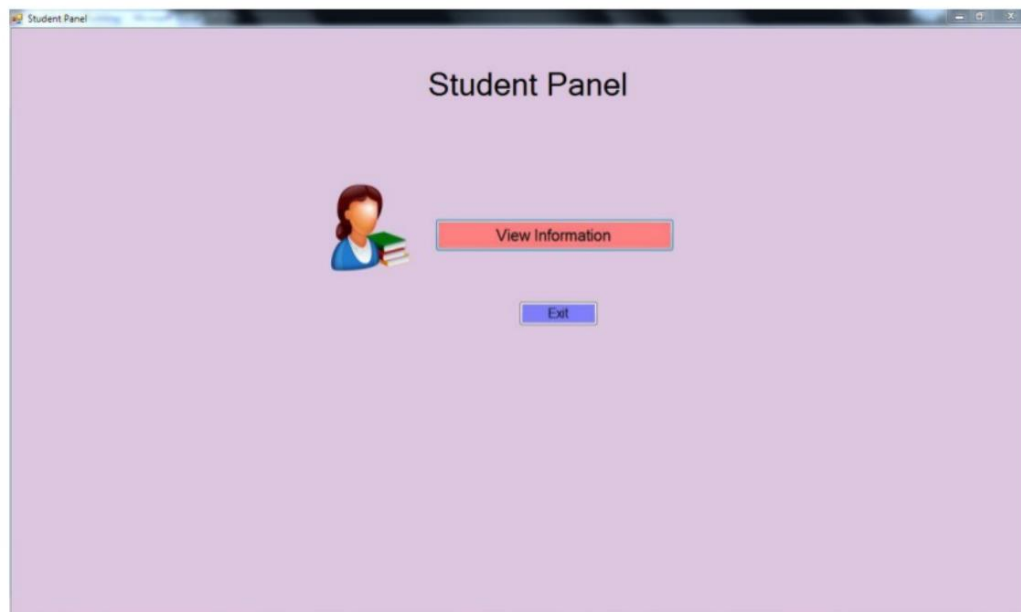
Exit

[illegible]

Teacher Panel:-



Student Panel:-



Class Page:-

Attendance Management System

B.Tech Student

Subject Teacher Name

Roll No	Student Name	Father's Name	Attendance Status	Date																																																								
<input type="text" value="14118047"/>	<input type="text" value="Vijay"/>	<input type="text" value="Mr. Sundar Lal"/>	<input type="text"/>	<div style="text-align: center;"> February, 2006 </div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <td>Sun</td><td>Mon</td><td>Tue</td><td>Wed</td><td>Thu</td><td>Fri</td><td>Sat</td> </tr> <tr> <td>29</td><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td> </tr> <tr> <td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td> </tr> <tr> <td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td> </tr> <tr> <td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td> </tr> <tr> <td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td> </tr> <tr> <td colspan="7" style="text-align: center;"> <input type="text" value="10"/> Today: 10-Feb-06 </td> </tr> </table>	Sun	Mon	Tue	Wed	Thu	Fri	Sat	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		5	6	7	8	9	10	11	<input type="text" value="10"/> Today: 10-Feb-06						
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Student Detail page:-

The screenshot shows a software application titled "Attendance Management System". The main window has a purple background and is titled "Student View Detail". At the top center, there is a search bar consisting of a white rectangular input field followed by a grey button labeled "Search" in red text. Below the search bar is a large table with eight columns: "Student ID", "Roll No", "Student Name", "Father Name", "Date", "Subject Name", "Teacher Name", and "Attendance Status". The table has a light yellow header row and approximately 18 empty rows below it. At the bottom center of the window is a grey button labeled "Exit".

Attendance Management System

Student View Detail

Search

Student ID	Roll No	Student Name	Father Name	Date	Subject Name	Teacher Name	Attendance Status

Exit

Change Password:-

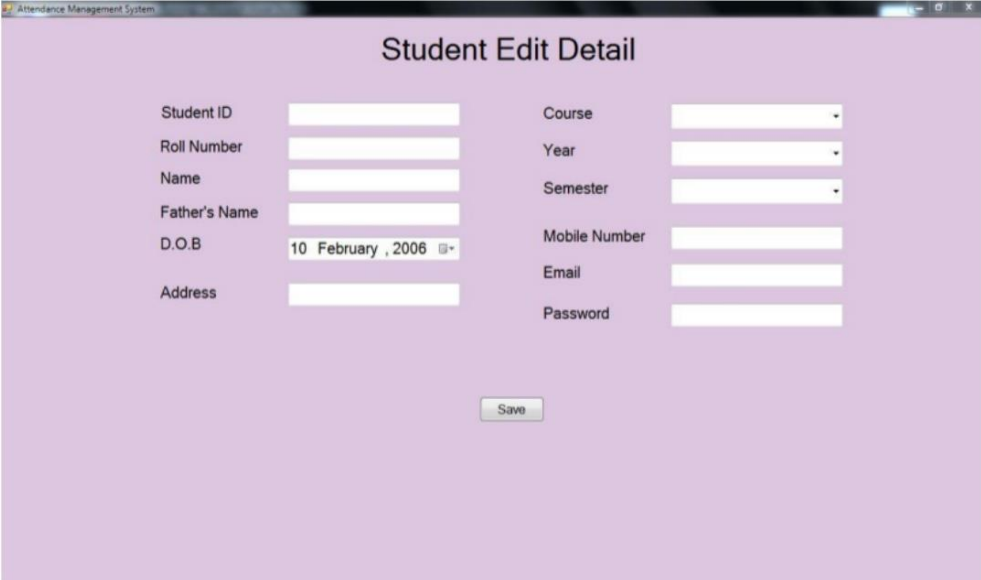


The screenshot shows a web application window titled "Attendance Management System". The main heading is "Change Password". Below the heading, there are three input fields: "Mobile Number", "New Password", and "Confirm New Password". At the bottom of the form, there are three buttons: "Update Password", "Clear", and "Exit".

Field	Input
Mobile Number	<input type="text"/>
New Password	<input type="text"/>
Confirm New Password	<input type="text"/>

Buttons:

Student Edit page:-



The screenshot shows a web application window titled "Attendance Management System". The main heading is "Student Edit Detail". Below the heading, there are two columns of input fields. The left column contains: "Student ID", "Roll Number", "Name", "Father's Name", "D.O.B" (with a date picker showing "10 February, 2006"), and "Address". The right column contains: "Course" (a dropdown menu), "Year" (a dropdown menu), "Semester" (a dropdown menu), "Mobile Number", "Email", and "Password". At the bottom of the form, there is a "Save" button.

Field	Input
Student ID	<input type="text"/>
Roll Number	<input type="text"/>
Name	<input type="text"/>
Father's Name	<input type="text"/>
D.O.B	<input type="text" value="10 February, 2006"/>
Address	<input type="text"/>
Course	<input type="text"/>
Year	<input type="text"/>
Semester	<input type="text"/>
Mobile Number	<input type="text"/>
Email	<input type="text"/>
Password	<input type="text"/>

Buttons:

References

- **Book References**
 - Web Engineering Book
 - Core Java Book
- WWW.w3school.com
- WWW.javatpoint.com
- WWW.youtube.com
- WWW.Udemy.com
- **Faculty Guidelines**
 - Mr. Sharad Gupta Sir