MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Skill Based Mini Project Report

on

Attendance Management System Database Project

Submitted By:

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Submitted to:

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Rinky verma (0901CS201099**) has submitted the project report titled Attendance Management System Database project under the mentorship of Ms. Jaimala Jha, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

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Faculty Mentor
Assistant professor
Computer Science and Engineering

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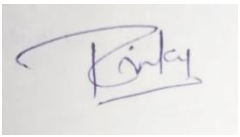
DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship Ms. Jaimala Jha, Assistant Professor, Computer Science and Engineering.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.



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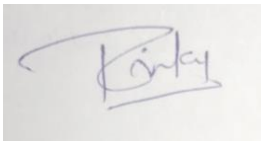

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ABSTRACT

There have been many proposals to optimize the students management system in higher education. Managing student attendance during lecture periods have become a difficult challenge. Manual calculation of attendance produces errors and wastes a lot of time. This proposed system manages the students attendance in a web portal and the records of the attendance will be stored in a database. The attendance of the students will be further forwarded to their HOD (Head OF Department), class teacher and their parents/guardians. This system will use MySQL for database. The template of the website will be built using HTML and CSS (Cascading StyleSheet) code. JavaScript will be added to improve the use of the system. Students details will be stored in the database. Also, it will contain the details of the teachers according to their subjects and the classes they teach. The system will be responsive which can be used in mobile phones. Also, the development of this project will be user friendly by facilitating with clear and understandable tabs. Hence, this website will be beneficial to institutes.

Keyword:

Website, Students attendance, MySQL database, HTML, CSS, PHP, JavaScript.

LIST OF FIGURES

LIST OF TABLES

Chapter 1: INTRODUCTION

This **Student Attendance Management** System is a Skill Based Mini Project for DBMS-Lab. It uses various techologies like php, html, CSS, JavaScript for development. In this project, we have implemented various concepts of **DBMS**.

1.1 Objective & Scope:

The scope of the project is the system on which the software is installed, i.e. the project is developed as a desktop application, and it will work for a particular institute. But later on the project can be modified to operate it online.

“Attendance Management System” is software developed for maintaining the attendance of the student on the daily basis in the collage. Here the staffs, who are handling the subjects, will be responsible to mark the attendance of the students. Each staff will be given with a separate username and password based on the subject they handle. An accurate report based on the student attendance is generated here. This system will also help in evaluating attendance eligibility criteria of a student. Report of the student’s attendance on weekly and monthly basis is generated.

1.2 Development Tools:

- **Languages:**
  - Php
  - HTML
  - JavaScript
  - CSS
- **Frameworks:**
  - Bootstrap 5
- **Database:**
  - MySQL
- **Others:**
  - VS Code
  - Xampp Server

1.3 Features:

- Through this Attendance Management System project, user can view the details of all students.
- User can mark the attendance of students.
- Can view the datewise attendance report of all students.

1.4 Description & snapshot:

The project database contains two relation:

1. students
2. attendance

CHAPTER 2: Table of relation:

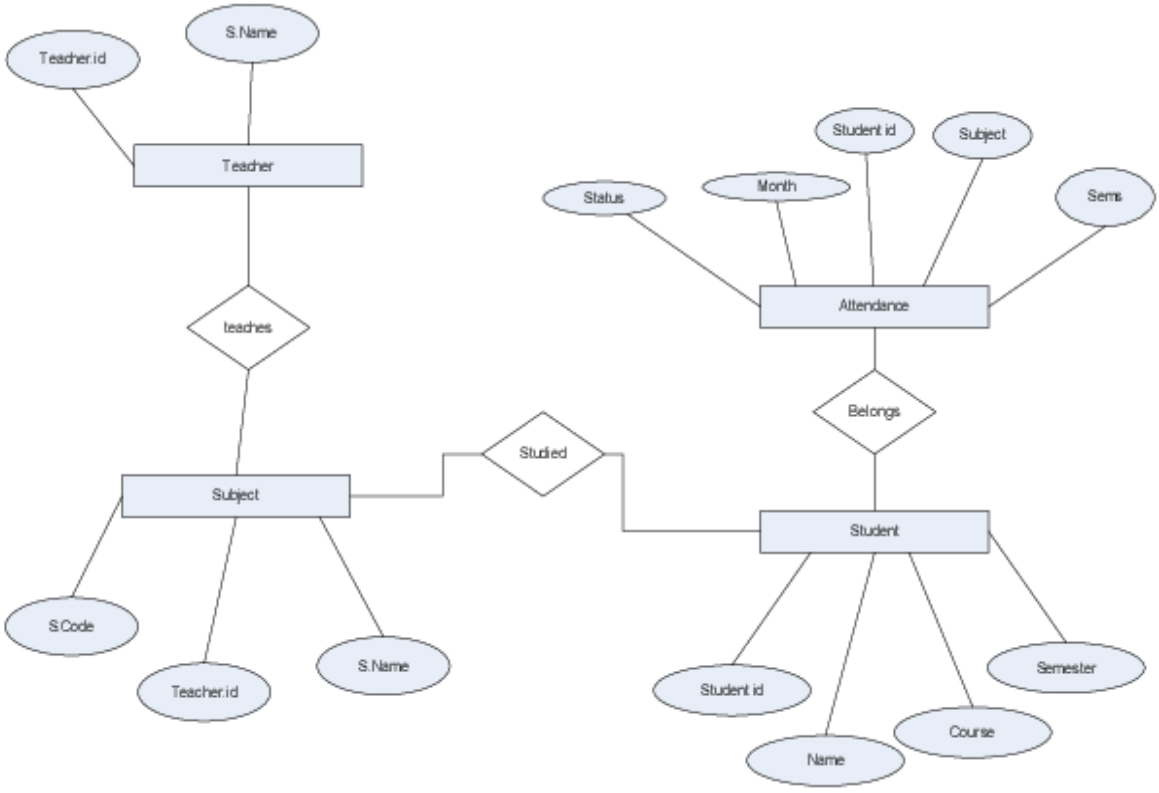
2.1 Relaion student

	Enrollment	name	branch	attended_sessions
Edit Copy Delete	001	Student1	CSE	1
Edit Copy Delete	002	Student2	CSE	1
Edit Copy Delete	004	Student4	CSE	1
Edit Copy Delete	003	Student3	CSE	0
Edit Copy Delete	005	Student5	CSE	0
Edit Copy Delete	006	Student6	CSE	0

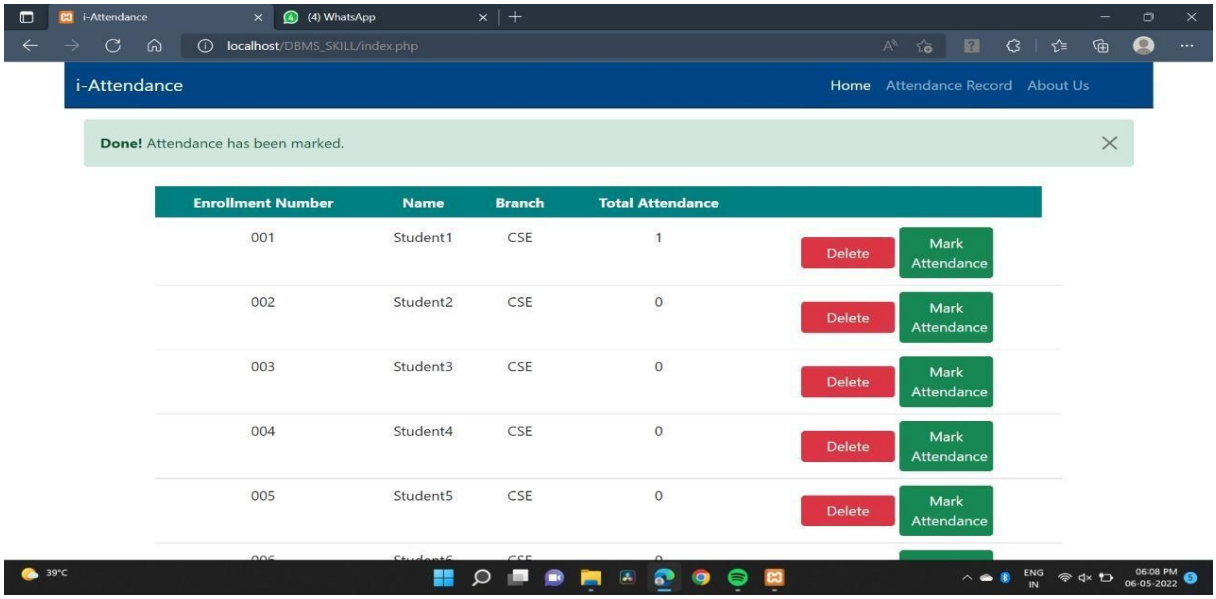
2.2 Relation Attendance

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Enrollment	varchar(30)	utf8mb4_general_ci		No	*None*			Change Drop More
2	status	varchar(30)	utf8mb4_general_ci		No	*None*			Change Drop More
3	date	date			No	*None*			Change Drop More

Chapter 3: ERD (Entity Relationship Diagram)

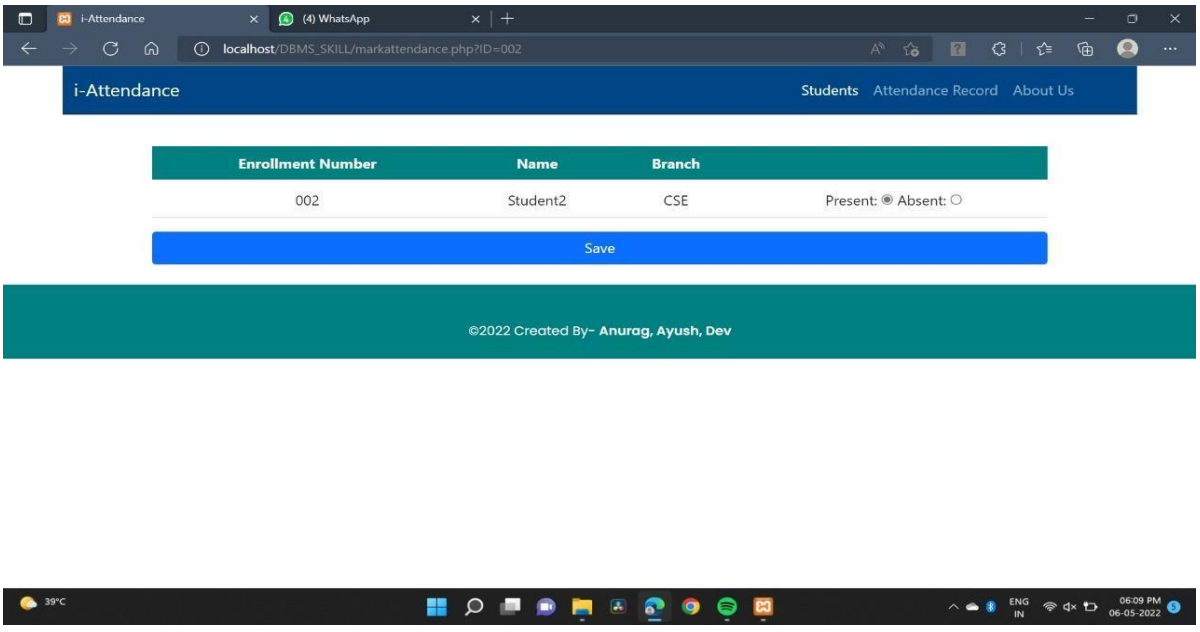


This is the home page of our project where we can mark the attendance of students

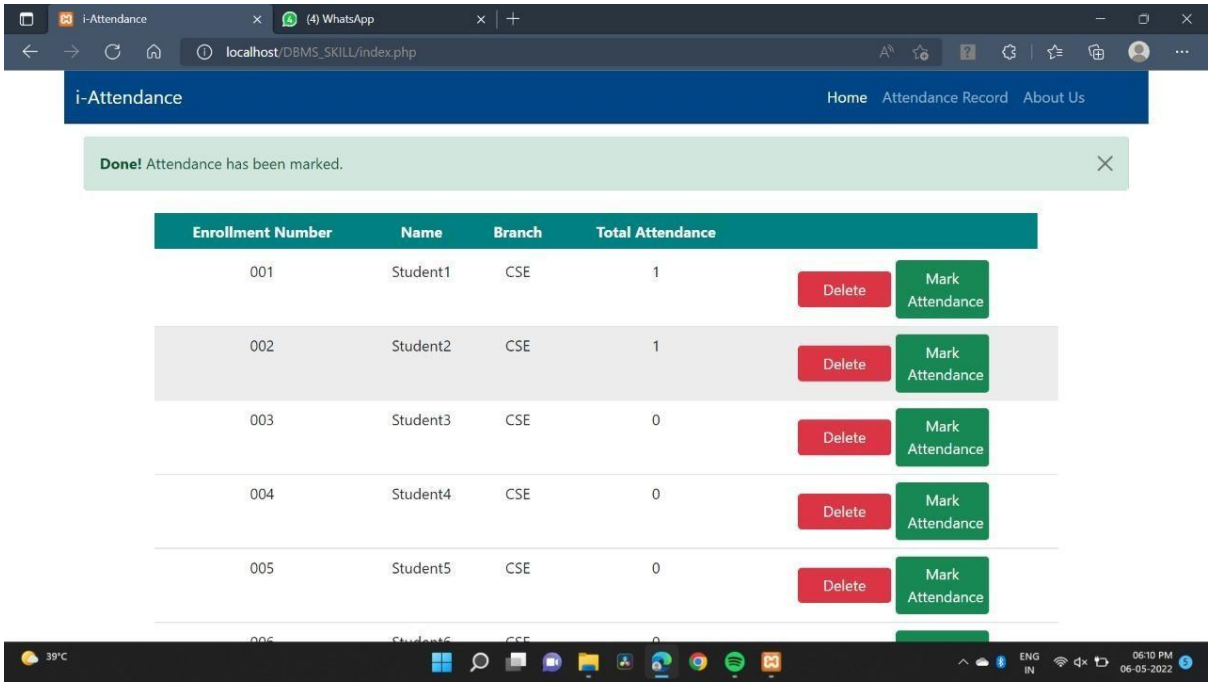


Marking attendance of student2

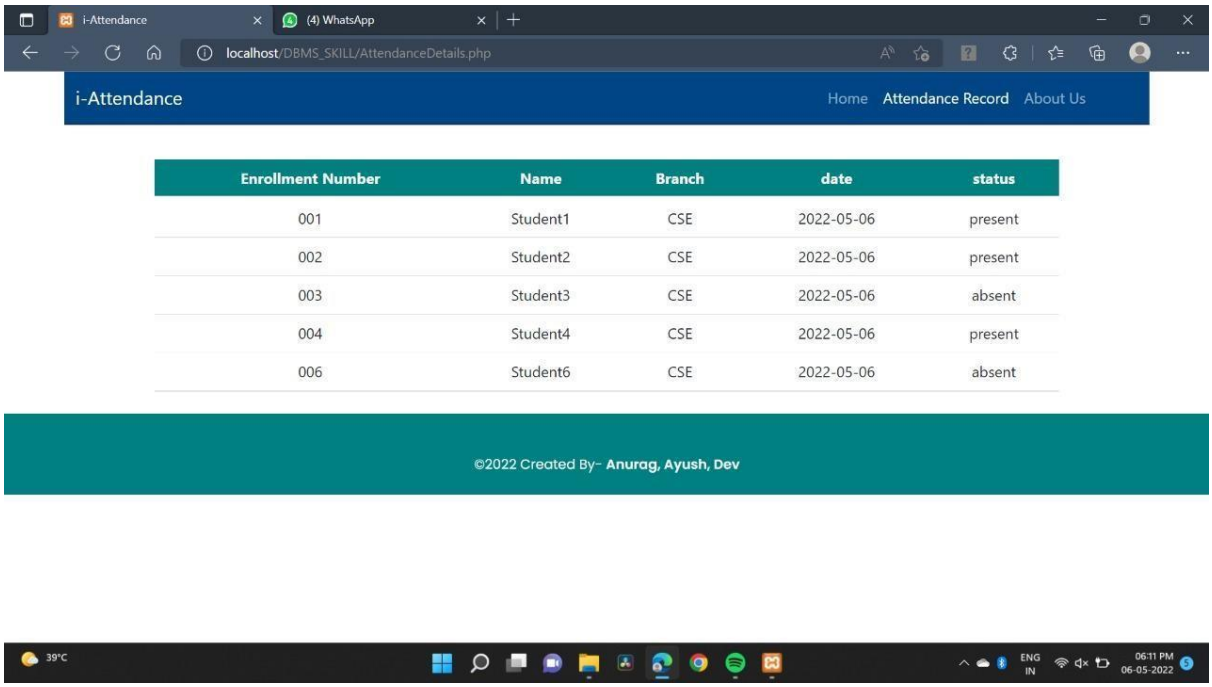
After clicking on '**Mark Attendance**' button-



Here we can see that the attendance of student2 has been marked-



In '**Attendance Record'** section we can see the students attendance record-



Chapter 4: Result &conclusion:

4.1 Conclusion: To conclude, Project Data Grid works like a component which can access all the databases and picks up different functions. It overcomes the many limitations incorporated in the attendance.

- Easy implementation environment
- Generate report flexibly

4.2 Future scope:

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

References:

- **www.google.com**