Sipna Shikshan Prasarak Mandal's

SIPNA COLLEGE OF ENGINEERING & TECHNOLOGY, AMRAVATI

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SIPNA COLLEGE OF ENGINEERING & TECHNOLOGY,AMRAVATI.

Department of Computer Science and Engineering

Academic Year : 2022-2023

Semester: Fifth

A PROJECT REPORT ON

STUDENT DATABASE MANAGEMENT SYSTEM

Submitted for

DATABASE MANAGEMENT SYSTEM

Submitted in

November

2022

Under The Guidance Of

Dr. H. R. Vyawahare

SIPNA COLLEGE OF ENGINEERING & TECHNOLOGY,

AMRAVATI

CERTIFICATE

This is to certify that this project report entitled

" STUDENT DATABASE MANAGEMENT SYSTEM "

has been completed by the following students in the partial fulfillment of project work of the fifth semester, Department of Computer Science and Engineering, During the Academic Session of 2022-2023 This is the record of their work under my guidance and to my immense satisfaction.

Dr. H.R. Vyawahare

Project Guide

Dr. V.K. Shandilya

HOD

Dept. Computer Science

& Engineering.

ACKNOWLEDGEMENT

We take this opportunity to express our deep sense of gratitude and hearted thanks to our project guide **Dr. H. R. Vyawahare** for her invaluable guidance, inspiration and encouragement. It is because of them that we could synchronize our efforts. We also express our sincere thanks to our Head of Department **Dr. V. K. Shandilya** and Principal **Dr. Sanjay M. Kherde** for their tremendous support, encouragement and invaluable guidance throughout our project. We shall be failing in our duties until and unless we express our sincere thanks to all the faculty members, both teaching and non-teaching Staff, and our friends who have directly or indirectly contributed of our project work.

3rd Year CSE (A)

SIPNA C.O.E.T., Amravati

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INDEX :-

❖ Introduction

The proposed project "Student Database Management System" has been developed to overcome the problems faced in the practicing of manual system. This software is built to eliminate and in some cases reduce the hardships faced by the existing system. More over this system is designed for particular need of the college to carry out its operations in a smooth and effective manner. This web application is reduced as much as possible to avoid errors while entering data. It also provides error message while entering invalid data. It is user-friendly as no formal knowledge is required to use the system. Human resource challenges are faced by every organization which has to be overcome by the organization. Every organization has different student management needs. Therefore We have design exclusive Student Management System.

❖ Software Requirements (Frontend, Backend)

The technology selected for implementing Student Database Management Systemis PHP, MySQL. Apache is used as the HTTP server. The Development was done in Visual Studio Code.

Frontend Technologies :-

- HTML :- The Hyper Text Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such asJavaScript. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

Backend Technologies :-

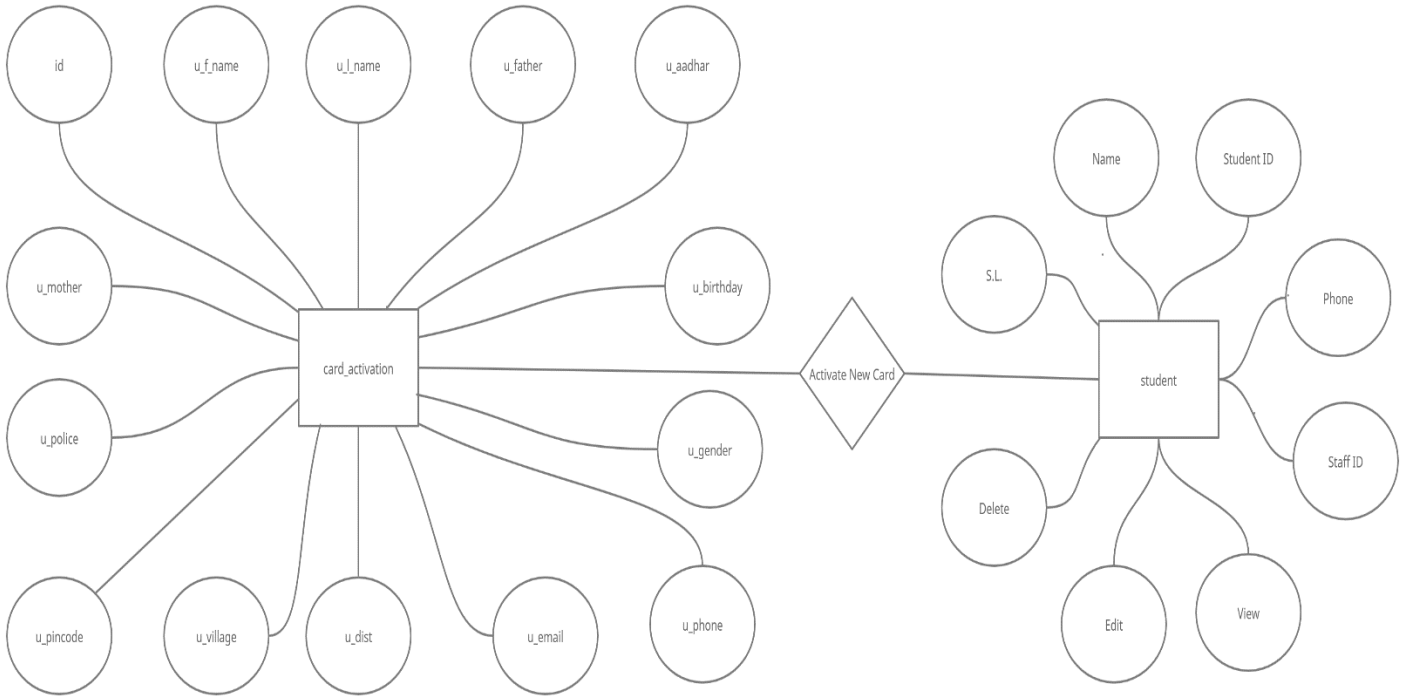
- PHP :- PHP is a general-purpose scripting language geared towards web development.It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

- MYSQL :- MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. Arelational database organizes data into one or more data tables in which data typesmay be related to each other; these relations help structure the data.

Software Used :-

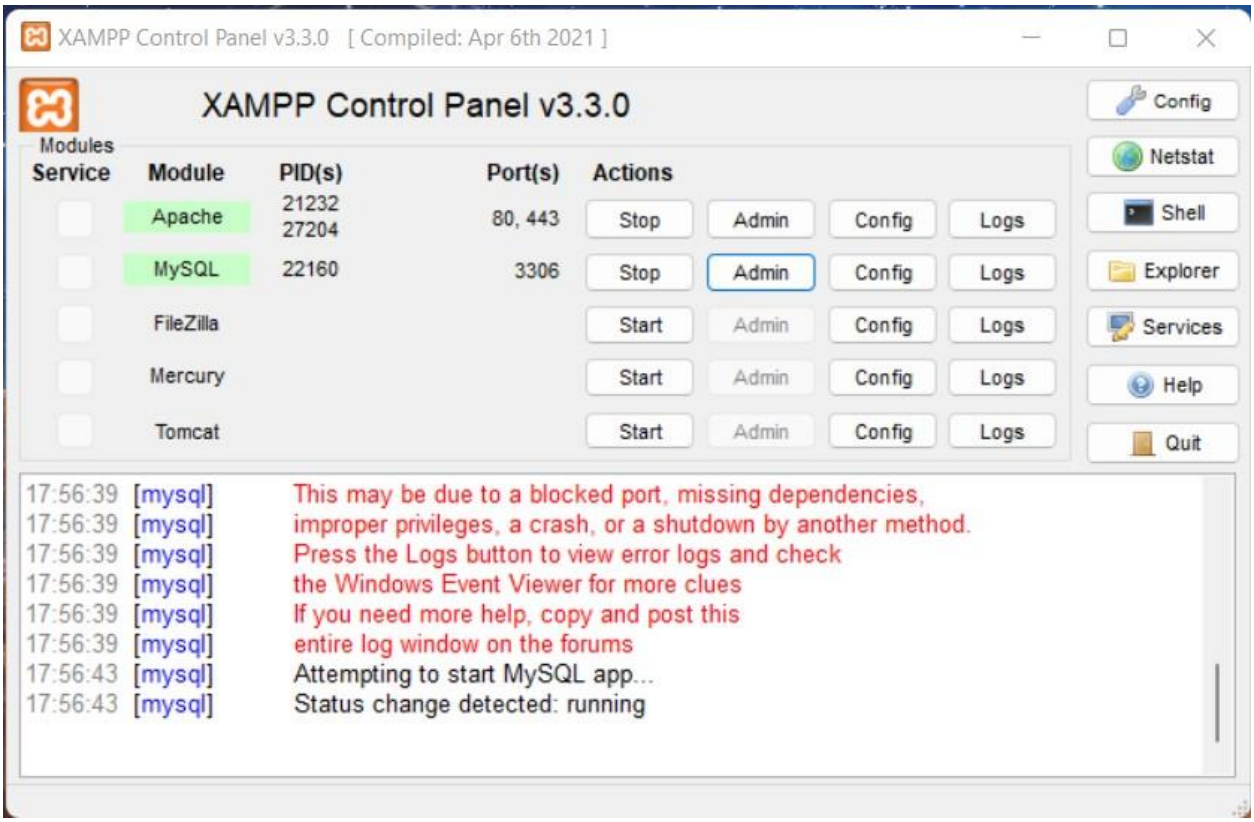
- XAMPP
- Google Chrome
- Visual Studio Code

❖ Database Design (ER- Diagram)

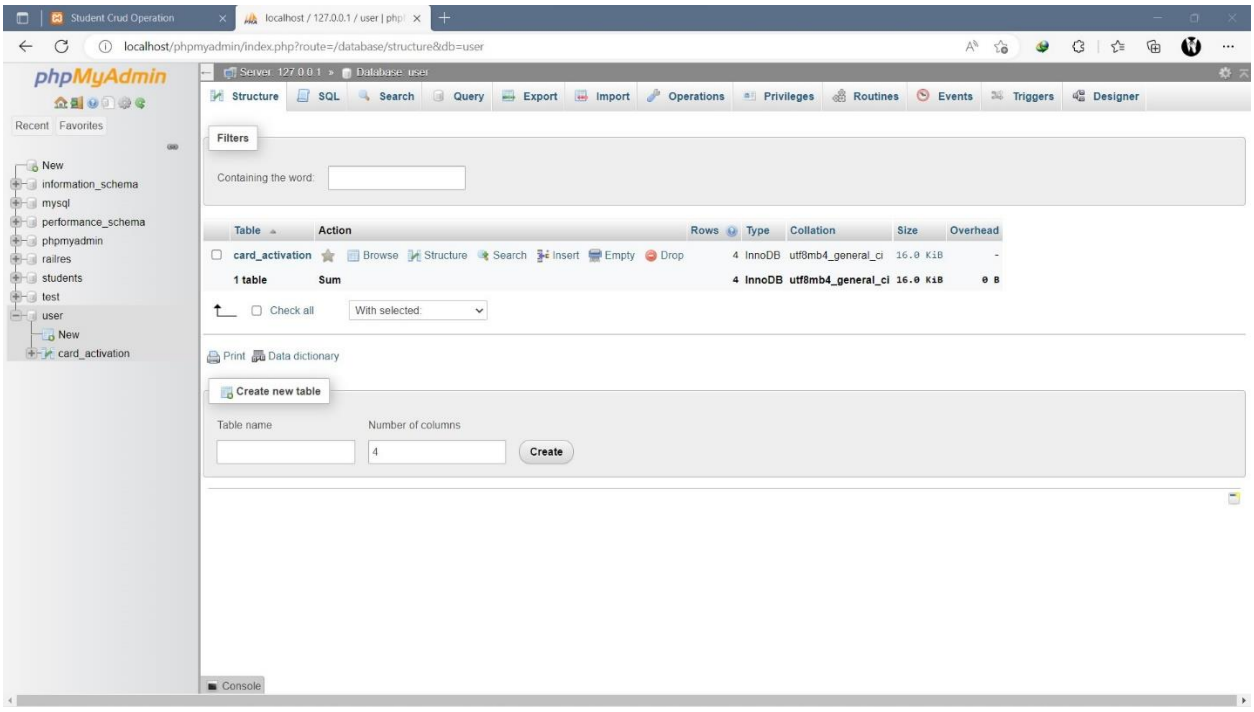


❖ Snapshots

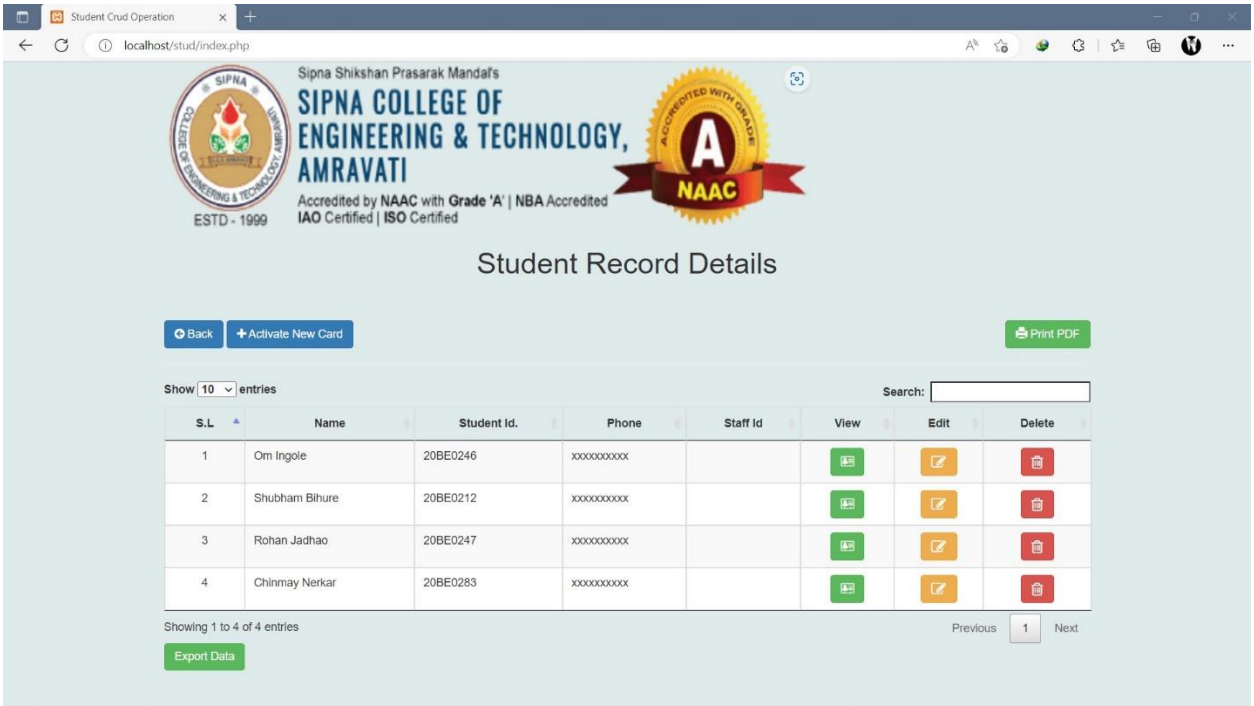
1. XAMPP



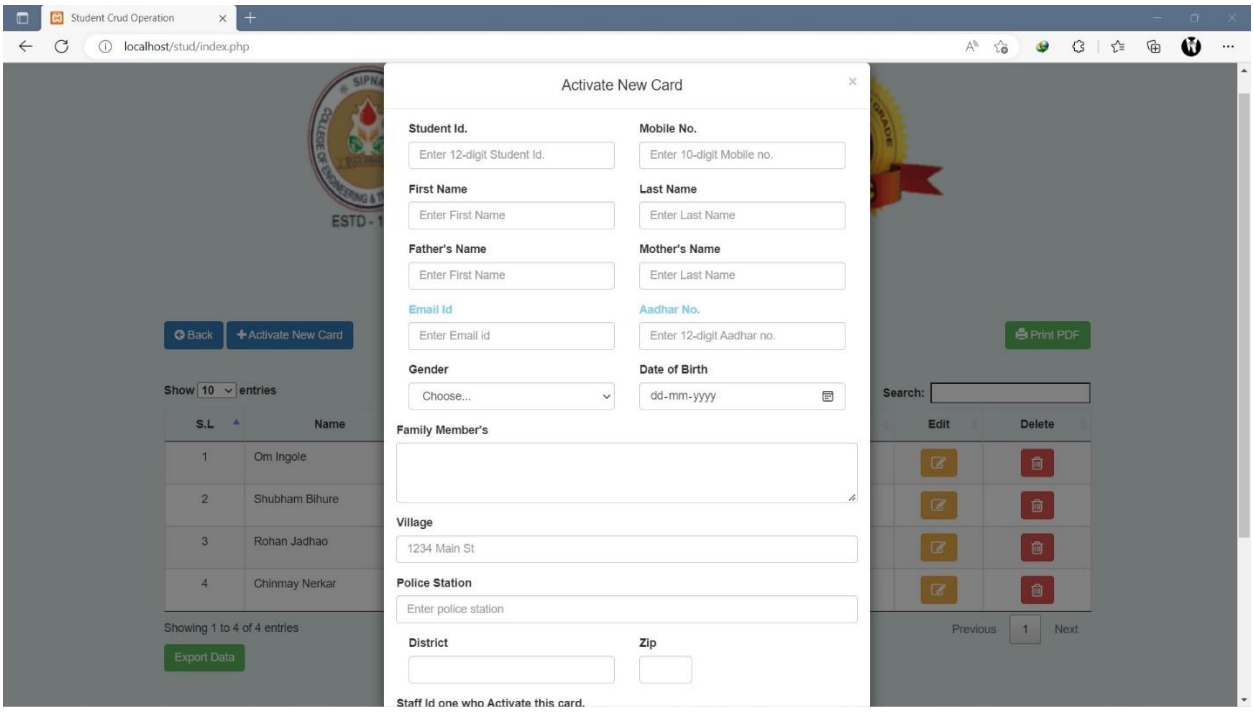
2. phpMyAdmin



3. Index Page

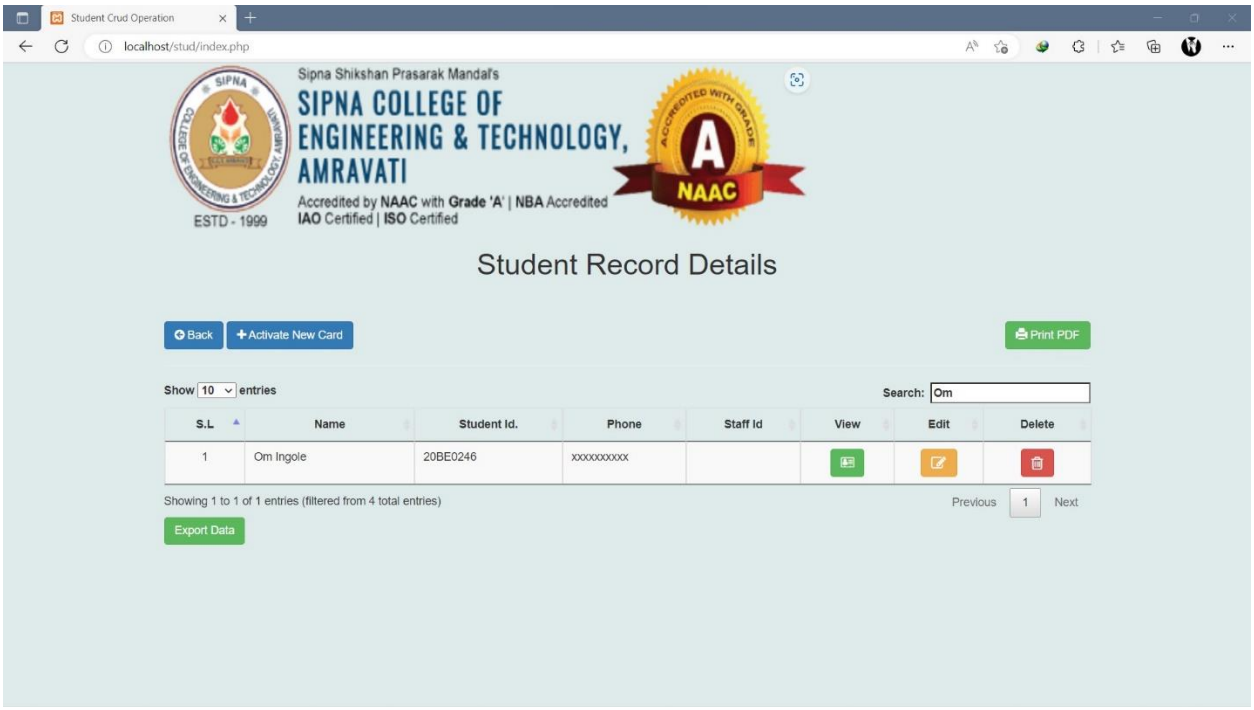


4. New Entry



5. View Entry

6. Search Entry



❖ Conclusion

This project is built for use in small scale organization where the number of student is limited. According to required requirements the admin can view all the details of the students .The required records can be easily viewed by the admin anytime he wants in an instant. The main objective of this frameworkis to save time, make the system cost effective and management records efficiently.