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Student Result Management System

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ABSTRACT

It has been shown that as technology advanced and the effect of computers and the internet grew, it had an impact on a number of different industries. And today, computers are used to perform practically all tasks. The key to being in business is to swiftly transform knowledge into a product that customers desire, and nowadays, all of this is accomplished utilizing computers, software, and information systems. And the education system, which focuses on training the next generation of talent for the future, is unquestionably the foundation of civilization. The Catholic University of Mozambique now manages and declares student results manually and with a great deal of human interaction

Keywords :Student Result Management System, Research Paper, Technical Writing, Science Engineering.

I. INTRODUCTION

This project is developed to automate student result management. This is a computerized examinations results management system for tertiary student's examination records. This application will greatly simplify and speed up the result preparation and management process. The marks of the student are added in the database and so students can also view the marks whenever they want. This project mainly explains the various actions related to student details. This project shows some ease in adding, editing and deleting the student details.. The main aim of the project is to provide the examination result to the student in a simple and accurate way. The administrator can add edit and delete marks for the student. All the users can see the marks.

Objectives:

1. The software is intended to allow the user to interact with the computer by entering the Roll Number of the student and the computer displays the consolidated result of the student.

2. Objective of the Student Result Management System is to prepare Command Line Interface (CLI) software at college level to get the consolidated results /progress of the students to facilitate the ease of administration in the college.

II. LITERATURE REVIEW

The programme, like Akinmosin James' solution at Nasarawa State University Keffi, features a login form for user authentication and Student Registration forms for registering students every semester following payment of dues, before results are posted using internet browsers. [1].

The automated programme operates on many layers, similar to the system developed by Idogho, Akpado, and Agajo [3] for Federal Polytechnic Auchi, with a browser at the front end, a PHP engine, and a MySQL server at the back end. Using the PHP My Admin database administration system, their technology promised to cut admission list processing time to 24 hours. Nonetheless, the release did not specify how Student Exam Scores are submitted into the system, whether by forms or file upload. [2].

III. PEROBLEM STATEMENT

Our objective is to build a system that will automate and manage the results of students enrolled in a university. It will simplify the process and help in speeding up the process. The system should be built in such a way that it is manageable, scalable, reliable and secure.

IV. RELATED WORK

This survey paper analyses ten recent IEEE reference papers and a base paper on Student Result management systems using Java and MySQL. The papers cover a range of topics related to college result systems, including student information management, course management.

One of the reference papers, "Design and Development of
Student Result Management System using Java and MySQL" by Zaman et al. (2020). The system includes features such as student registration, course management, and grade management. The paper provides a detailed description of the system architecture, database design, and user interface. Another reference paper, "Development of Student Result Management System using Java and MySQL" by Ayyub and Malik (2021), presents the development of a admission management system using Java and MySQL. The paper provides a detailed description of the system architecture, database design, and user interface.

V. METHODOLOGY

Agile Development Model: The meaning of Agile is swift or versatile. "Agile process model" refers to a software development approach based on iterative development. The project scope and requirements are laid down at the beginning of the development process. Plans regarding the number of iterations, the duration and the scope of each iteration are clearly defined in advance. Each iteration is considered as a short time "frame" in the Agile process model, which typically lasts from one to four weeks. The division of the entire project into smaller parts helps to minimize the project risk and to reduce the overall project delivery time requirements. Each iteration involves a team working through a full software development life cycle including planning, requirements analysis, design, coding, and testing before a working product is demonstrated to the client.

VI. PROJECT IMPLEMENTATION

OVERVIEW OF PROJECT MODULES:

This chapter we are going to have an overview about how much time does it took to complete each task like-
Introduction and Problem Statement, Literature Survey, Project Statement, Software Requirement and Specification, System Design, Partial Report. Submission, Architecture Design, Implementation, Deployment, Testing, Paper Publish, Report Submission, etc. This chapter also gives focus on stakeholder list which gives information about project type, customer of the proposed system, user and project member who developed the system.

HARDWARE REQUIREMENTS :

- Intel CORE i5
- 8GB RAM • 512 SSD

SOFTWARE REQUIREMENTS:

- Windows 11 OS
- Java (JDK-20.0.1)
- MySQL Database
- Apache Netheans IDE(version 18)

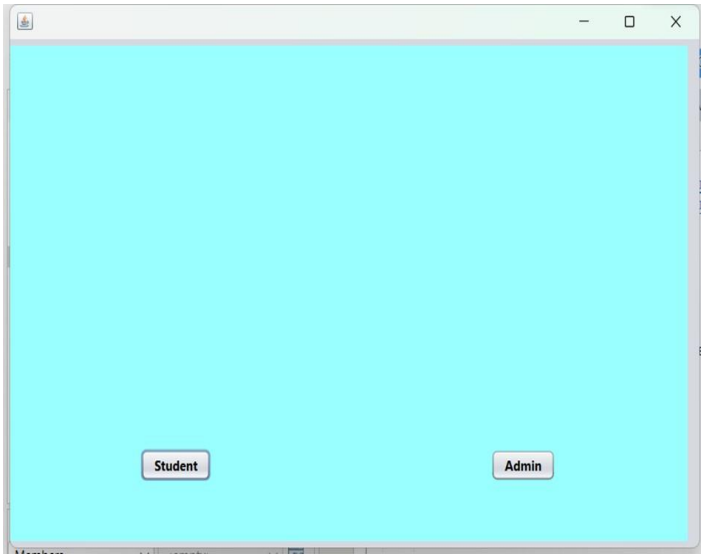
APPLICATIONS :

This project is applicable at various places as mentioned below:

- Schools
- Colleges
- Universities

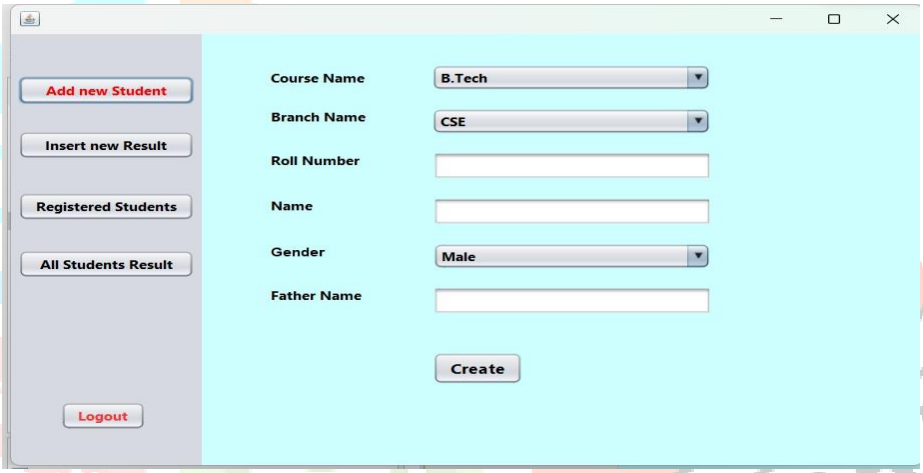
VII. RESULTS

1st page is Homepage/Login page of Students & Admin.

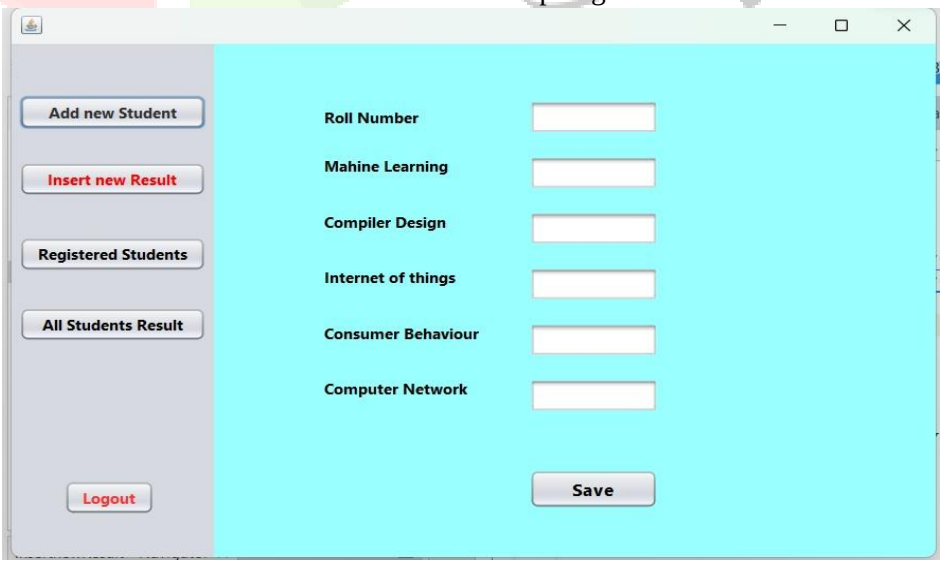


Admin login page.

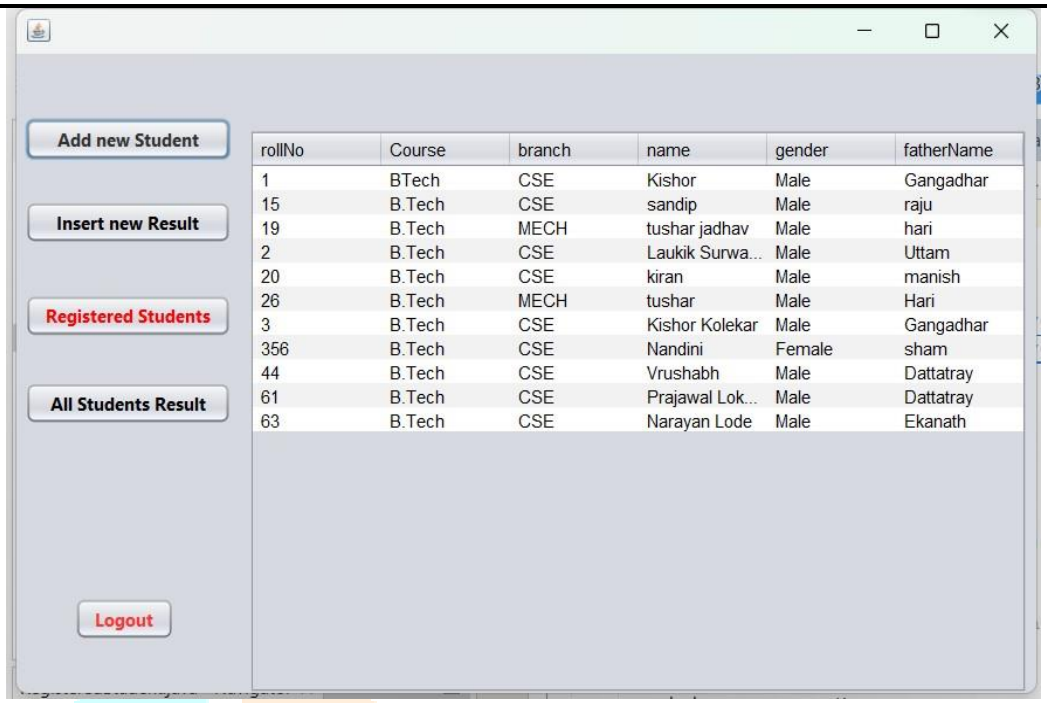
Student Personal & Academic information Fillup page.



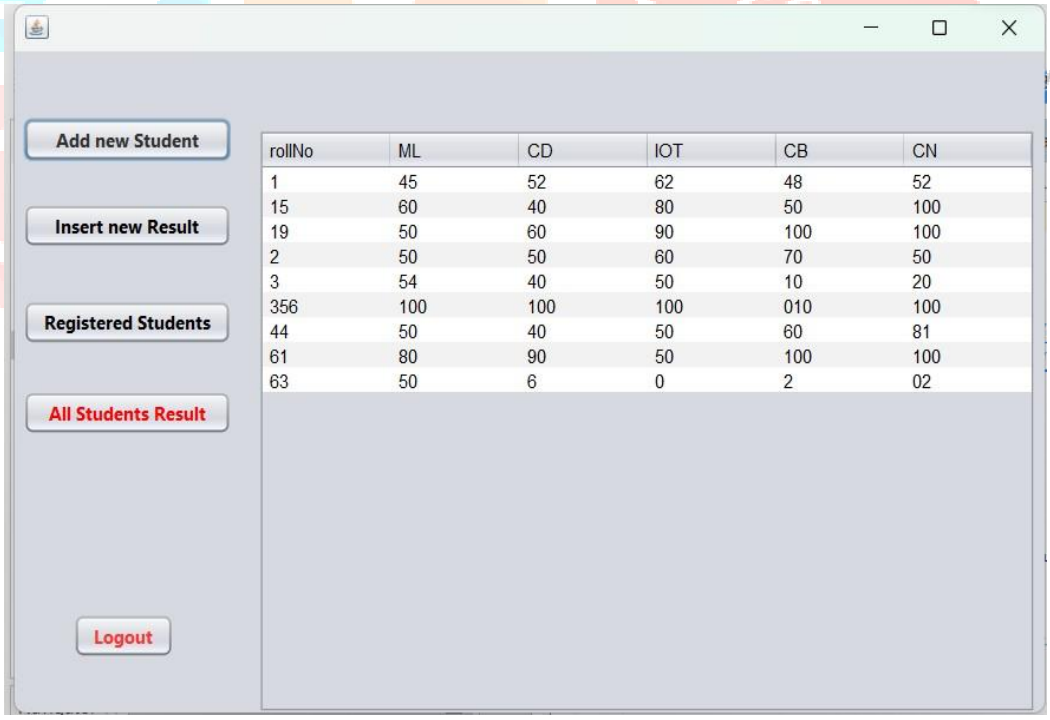
Student Marks Fillup Page.



Display Entry of Registered Students on web portal.



Display All Student Entry on Web portal.



6 Display All Student Entry on Web portal.

VIII. FUTURE SCOPE

The future scope of a student result management system is promising, given the continued advancements in technology and the increasing emphasis on data-driven decision-making in educational institutions. Here are some potential future developments for a student result management system:

X.REFERNCE

- Various opensource materials from Internet.
- Training notes.
- Discussion among the group and with guide.
- Some requirements are gathered through various books from library.
- These YouTube video gives us full detail knowledge about the MySQL Database Automation of the entire system improves the efficiency. It provides a friendly graphical user interface which provides to be better when compared to the existing system. It gives appropriate access to the authorized users depending on their permission. It effectively overcome the delay in communication. Updating of information become so easier. System security, data security and reliability are the striking features. The system has adequate scope for modification in future if it is necessary. A student result management system is a vital tool for educational institutions to manage and store academic achievements of students.