

Online School Result Management System

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Subject-CMSA

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Under the supervision of

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CERTIFICATE

This is to certify that the research project entitled

Online School Result Management System

is a record of the work done by Paromita Ghosh, Roll: 203310-11-0046, Registration: 313-1211-0391-20, Anurag Chakraborty, Roll: 203313-21-0055, Registration: 313-1111-0406-20, Supriyo Saha, Roll: 203313-21-0116, Registration: 313-1112-0405-20 under our supervision, in fulfillment of the requirements for the award of Degree of Bachelor of Science (Honours) with specialization in Computer Science from Gurudas College, the University of Calcutta in the Year 2023 at the examination under CBCS semester system.

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Project Guide

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ABSTRACT

This is a project work on the topic of school result management system. This is a full stack web development project .The project that is designed to help admin and their students to track their academic results. This system can be used by schools as a tool for managing student results and generating reports.²

DOMAIN DESCRIPTION

School result management system is the web application developed for to provide the examination result to the student in a simple way. It Facilitates to store all student records of a particular school. The student data will store in the database created by the admin, and the viewers can get access to see the notification available in the website this system will help to store all documents of the student's.³

THE MOTIVATION OF THE PROJECT

I have seen many school website but there are very few website that provide online result. So, the Student Result Management System (SRMS) is a web- based tool that primarily focuses on delivering results to students and instructors. The student checks their separate outcomes using their school-registered recognition ids, as well as their grades and percentages.⁴

SCOPE OF THE PROJECT

The student will have to register the registration form, in order to provide student details, which on admin can modify or delete later on.

After admin login the admin page will show the details of the admin, and the admin can update a student details, can modify the subject details.⁵

BACKGROUND /REVIEW OF RELATED WORK

We have studied the project of the software development in youtube where he develops software using php . The developer developed an website where there was basic few pages about schools, there was no system of Registration form, admin pages and more on.

The website made by developers was too basic in terms of technologies use.so I have tried to make a project on school result management system where there will be more technologies.

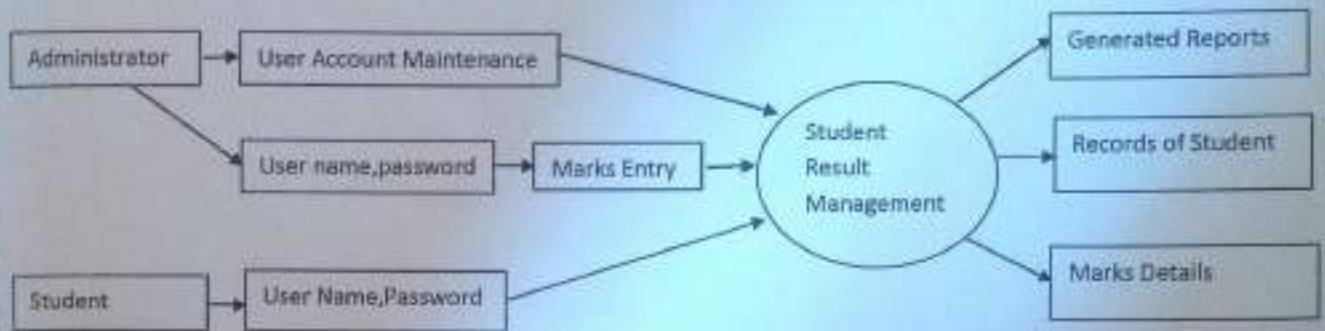
PROBLEM FORMULATION

This web application will reduce the manual work of the school management system. By solving this project my first problem Was occurred by installing a Xampp software in my computer the port no 3306 was not supporting so I have to change my port number to 3307 to run SQL on my system . With the help of student ID the system identify the each different student which is an primary key.

A student cannot submit their registration form without applying all the details required.

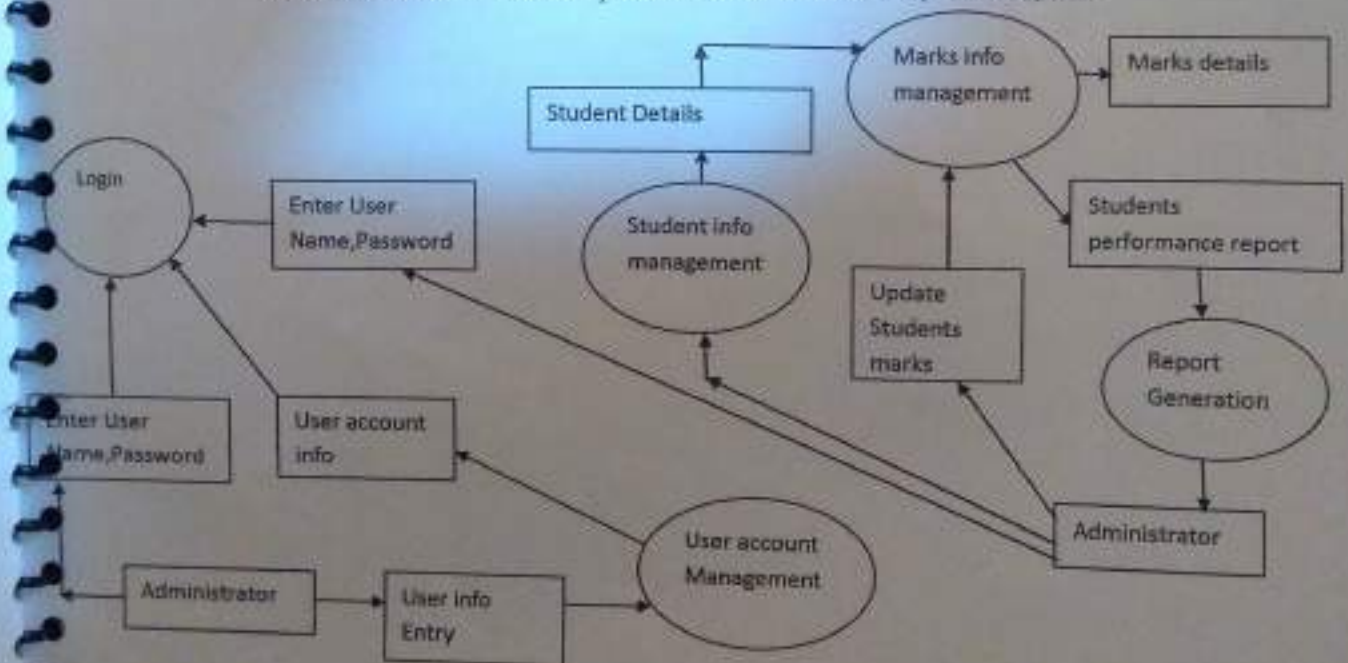
DATA FLOW DIAGRAM(DFD)

• LEVEL 0 DFD:

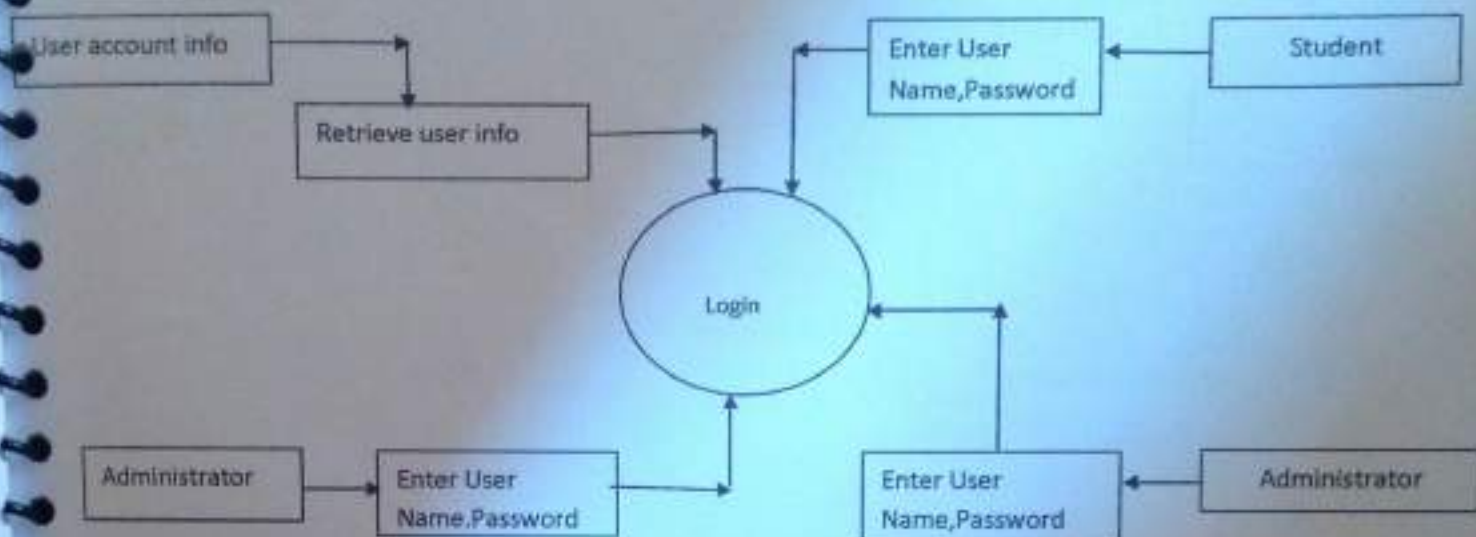


• LEVEL 1.1 DFD:

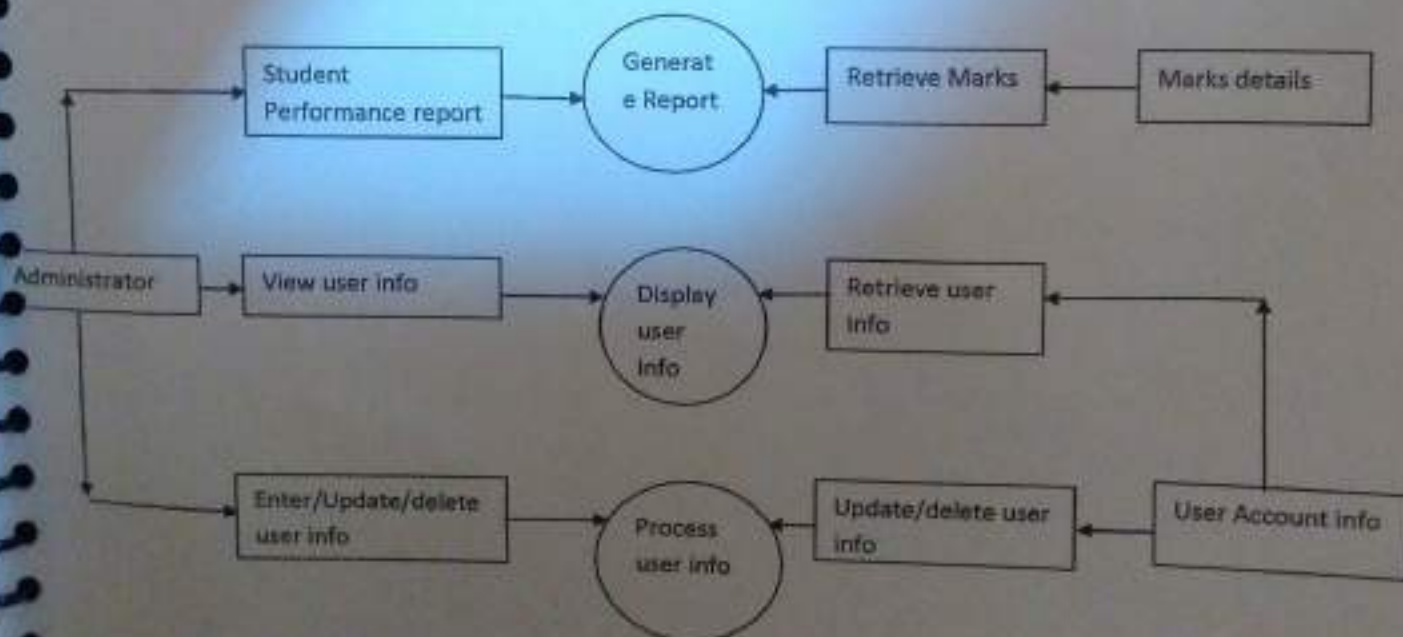
External Features: This will be the first screen that will be displayed. It allows user to access different screens based upon the user role. Like User ID, Password, Role.



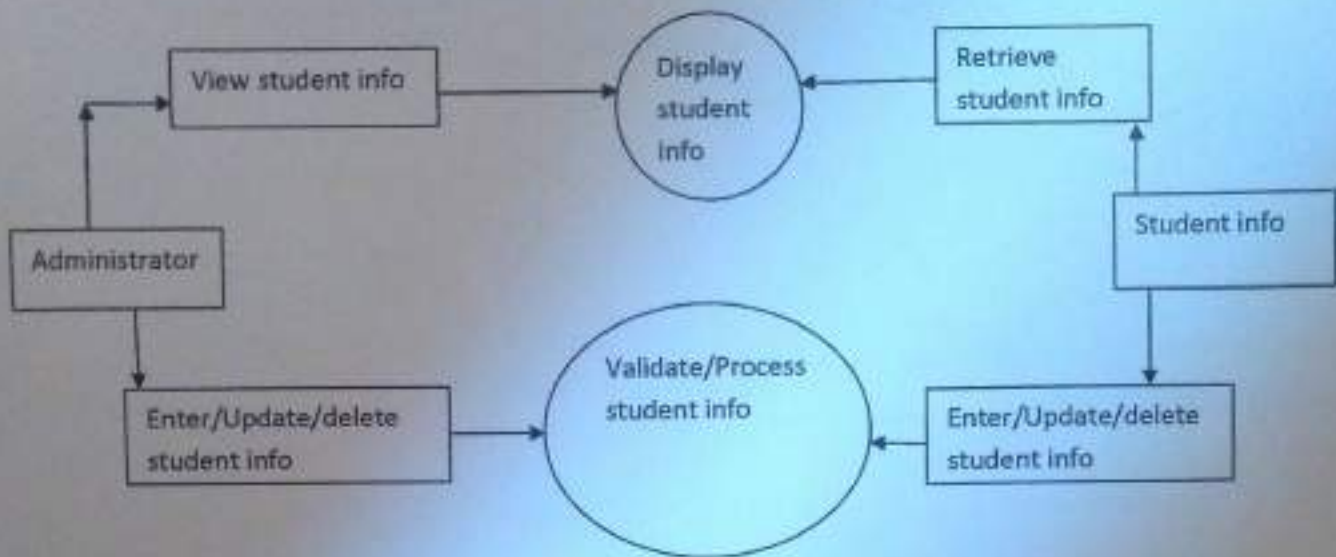
- LEVEL 1.2 DFD of Login:



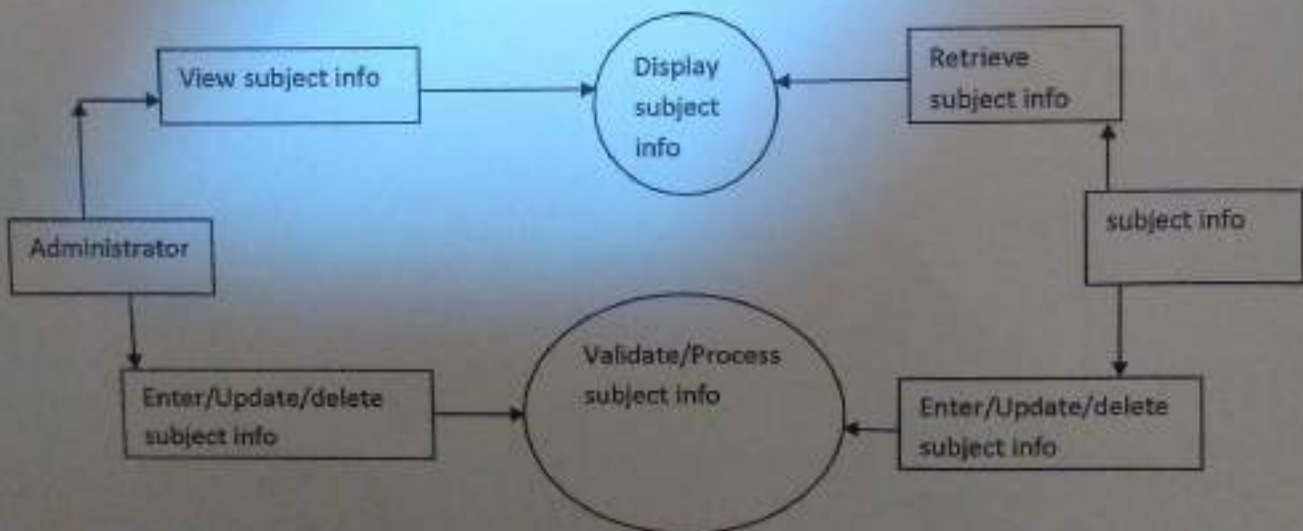
- LEVEL-1.3 DFD of User account maintenance:



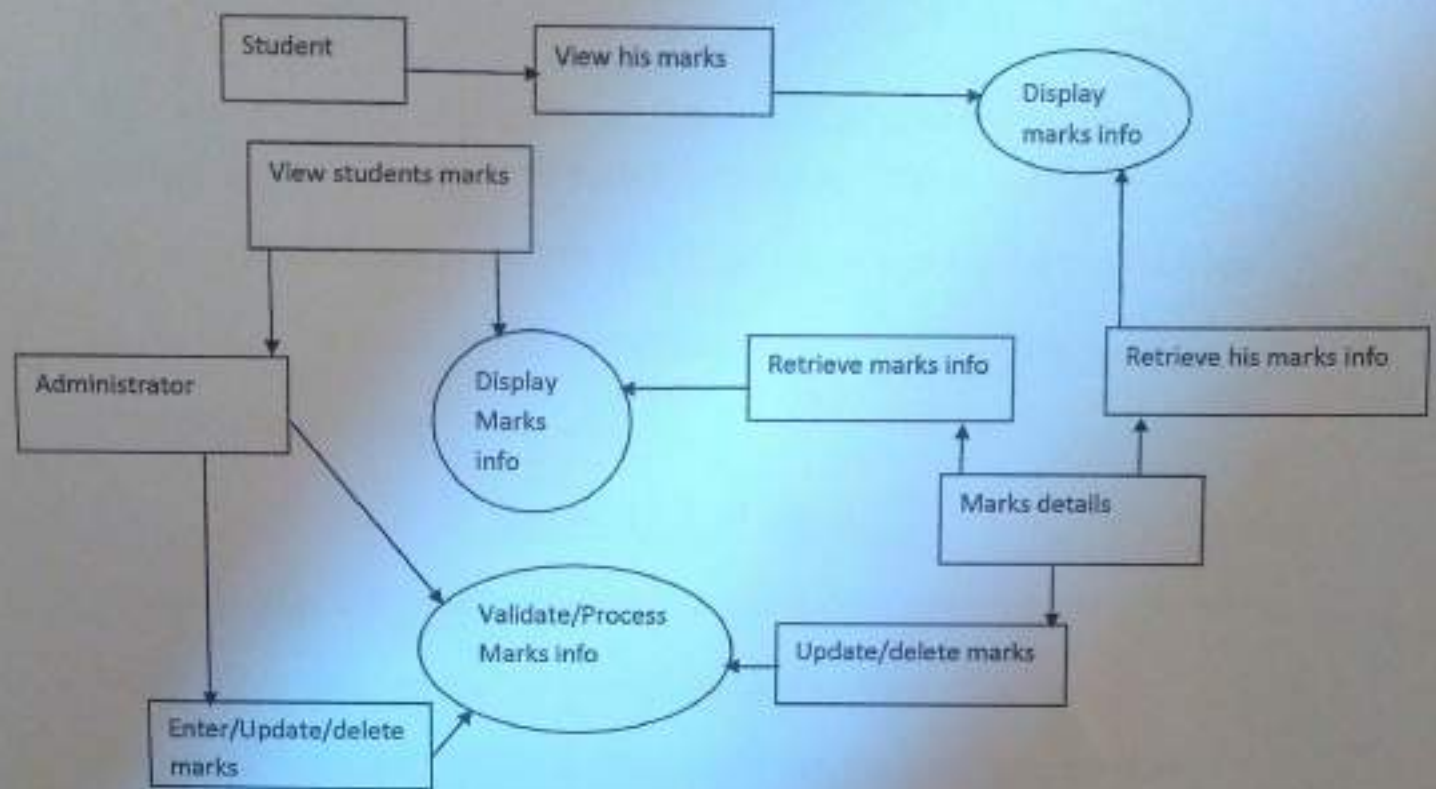
- LEVEL 2.1 DFD of Student information management:



- LEVEL 2.2 DFD of Subject information management:



- LEVEL 2.3 DFD of Marks information management:



SOFTWARE REQUIREMENT AND SPECIFICATION

DEFINATION:

The main objective of this project is to make all possibilities work related to accounts student data information. Student can pay their security. Admin can update the notice on the notice board, the location of the school is provided on website. user can contact to the staff through the website.

Benefits and Goals:

This web page will make easy to manage student's record. The goal of

This project is to reduce the parents as well as staff effort so

That the student of that particular school can get notified from the Website.

REQUIREMENT

The user should have an laptop and desktop.

The device should have stable internet connection with internet speed

More than 2 mb/s.

The device should have a web browser to open the web application.

SECURITY AND PRIVACY

The data that will be inserted into the registration pages will be Securely kept after hashing the data so that even with any security Branch no one except admin can got the authenticate information but Of it. And also in admin page, the user's name and password are Save separately in the program, which is secure from every other.

TYPE OF USER

This project is mainly for the students, this fully digital system will help The specific institute or school to reduce their effort. The admin and the customers will be the main users of this project.

CONSTRAINT

To use this project even user and admin should have a working laptop And desktop device with stable internet connection. The laptop and Desktop devices especially in the case of the admin should have hard Disk space so that person can manage the database without any gitches. This project is limited to a single restaurant only.

ASSUMPTIONS

Admins and user as well as student , have access to a laptop and Desktop with stable internet connectivity. The desktop and laptop Which the admins have must be free from cache so that they can control the database without any glitches and buffering. The user Should know how to use the web application as well as the browser They are using to access the web application. The internet connection Of user must have a speed of more than 2mb/s for accessing the web Application. The device they are using should have anything more than 512mb of RAM.

FUTURE WORK

- I am trying to add another section of student we each and every individual student can separately logging into to check their ideational performance.
- Working on introducing online payment into this project.
- We will be trying to make this whole project responsive so that this web application can be viewed perfectly in mobile phone as well.

IMPLEMENTATION

The project work mainly focusses on school management system for a Single particular school .This system was designed primary for the user or student , so that they can communicate with staff easily.

The user has to open the web application then they are redirected

To the main page where the user will be able to look all the details of

The school present on the website. Moreover, user can contact directly

To the school through website, and the user can have the location

Of the school. The admin can also check the database, and if they want to change or update, and they can remove the student's details by using the option Delete.

Results and Discussion

Home Page:



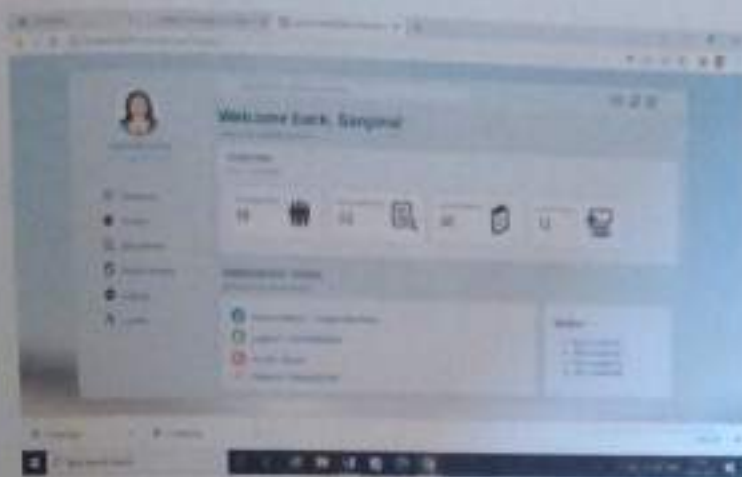
Admin login page:



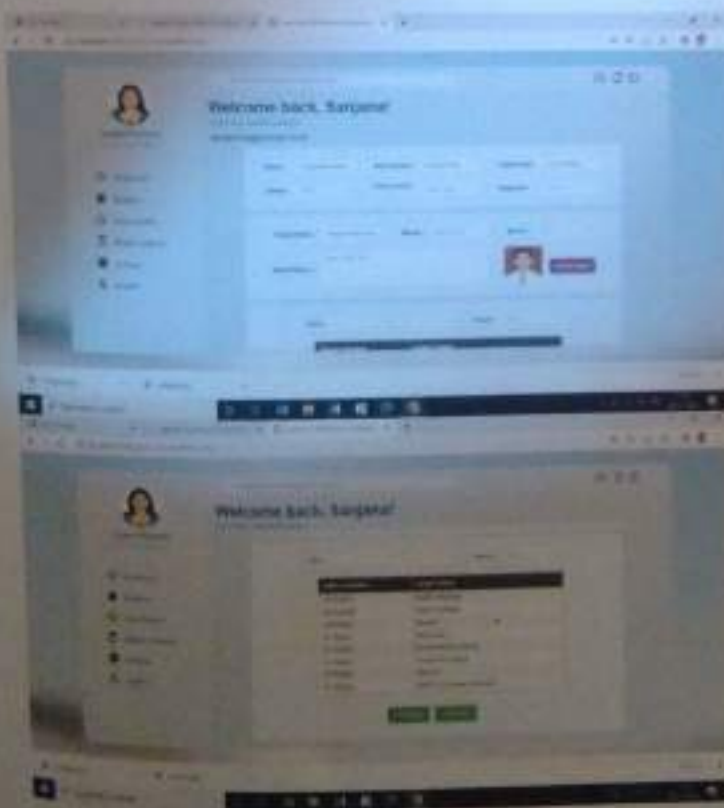
Student login page:



Admin home page:



Student Admission page:



Subject display page:



Subject display page screenshot showing a table of subjects. The table has columns for ID, Name, and a 'Details' button.

ID	Name	Details
1	Mathematics	
2	Science	
3	History	
4	Geography	
5	English	
6	Art	
7	Music	
8	Physical Education	
9	Health	
10	Information Technology	

Marks entry page:



Marks entry page screenshot showing a table for entering marks. The table has columns for ID, Name, and a 'Details' button.

ID	Name	Details
1	Mathematics	
2	Science	
3	History	
4	Geography	
5	English	
6	Art	
7	Music	
8	Physical Education	
9	Health	
10	Information Technology	

Student Home page:



View result page:



View board result page:



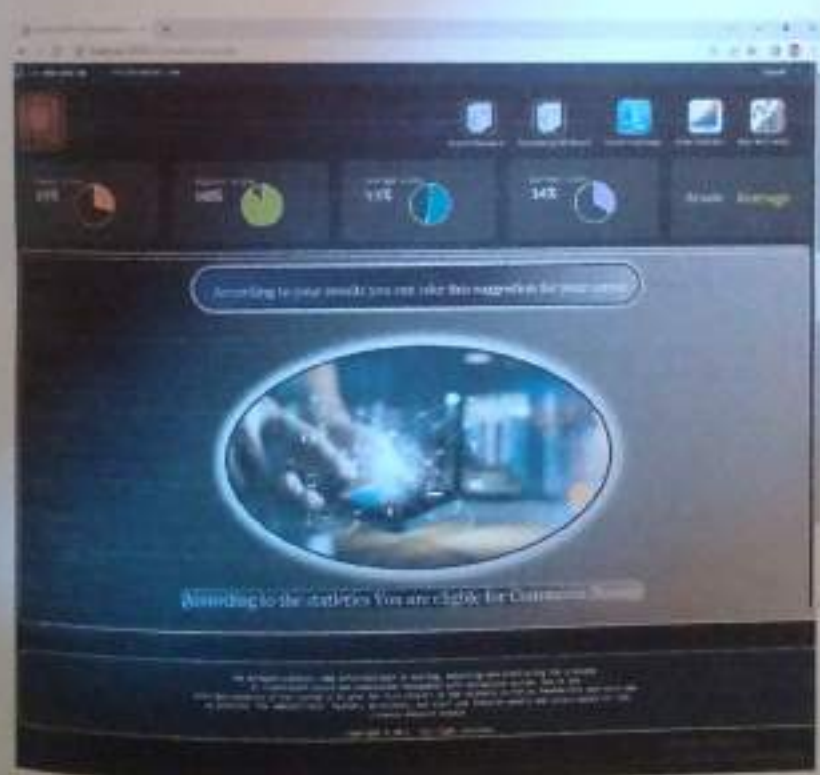
View statistic page:



View yearwise score page:



Career-road map page:



CONCLUSION

According to everything shown in the above page, we can conclude that this project of ours will be helpful for the teachers of the institution and colleges in saving a lot of time.

This project will make the whole process of schooling makes easy and Secured as well , thus making it user friendly to some extent.

This system is better then any other website selected to this topic, Having other features since projects using more features need a good Computer system to work which make the project costly.

Md. Ilyas
02/08/23



EXAMINED

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