PROJECT REPORT

STUDENT PORTAL MANAGEMENT SYSTEM

GROUP 3

CSE-C

PARTICIPANTS

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<u>ABSTRACT</u>

The aim of the Student Portal Management System is to develop a technological solution that meets the system's functional requirements. The emphasis of research is on what needs to be done rather than how it should be done. During the design phase, decisions are taken on how the problem will be solved, first at a high level, then at a lower level.

The basic approach to solving the problem is chosen during the first stage of system design. The overall configuration and style of the framework are determined during the design phase. The overall arrangement of the system into components known as system architecture. During this process, certain things such as modules, relationships among specified modules, data structures, relationships between data structures, and implementation algorithms should be planned.

Overview:

This System provides the overall design of the Student Portal (Information) Management system implemented during this project, covering the purpose and reasoning behind the system's major components.

Scope:

The main scope of the system design is:

- Organize the system into modules
- Organize sub-modules for each module
- Choose an approach to manage data stored
- Choose implementation logic

AIM/OBJECTIVE

The Student Portal system provides a user-friendly interface/platform for updating student information. It keeps track of and updates all kinds of student information and course information. The aim is to design and create a database that will keep track of student information, course information, and faculty information.

In the student portal system, a new student registration is done by the Admin. New student registration is done by providing roll number, date of birth, first name, last name and the other details. Every semester student has to be registered with their current semester, branch and year. Students can view their academic details such as timetables, marks. Etc. These features are also applicable to the faculty.

The main aim of this proposed project is to improve the existing facilities. The system tries to eliminate or reduce these difficulties up to some extent. The Student Portal System has 3 roles:

- Student:
    - The Student mode consists of basic student information, education information regarding student.
- Faculty:
    - The Faculty mode has the perk to modify the marks of the students.
    - Apart from that they can also view their timetable. Etc.
- Admin:
    - Admin is the Superuser of the Student Portal System.
    - He has the privileges to add or delete a student,faculty from the database.

In Student Portal System, all the users have different contents of the site.

System Requirements:

- Operating System: Windows
- Front End
  - JavaScript
  - HTML and CSS
- Middleware
  - PHP
- Database
  - phpMyAdmin/PostgreSQL

ALGORITHM

- Front-End
  - HTML, CSS and Java-script languages are used for the front-end development of the student portal.
  - We begin with the Home/Login page which the user can use to access to his dashboard.
  - Based on the credentials user used in the login page, he is role will be checked and will be redirected to the respective dashboard
  - Three roles are given in the Student Portal: Student, Faculty and Admin
  - Each role has their own privileges.
  - Student:
    - View Timetable
    - Modify their details.
    - View Marks
    - Change Password
    - Basic Details

- o Faculty:
    - View Timetable
    - Add/Modify Marks of the Students
    - Change Password
    - Modify their Details
- o Admin:
    - Superuser
    - Has access to the data of all students and faculty
    - Add new students/faculty
    - Delete new students/faculty
- Middle-ware:
    - o PHP is used as the middle ware technology to link the front-end with the back-end database.
- Back-End
    - o phpMyAdmin is used for the back-end
    - o 4 tables are created for the database
        - admin:
            - id
            - name
            - email
            - phoneno
            - password
        - b1 and b2:
            - id
            - firstname
            - lastname
            - dob
            - gender

- section

- email

- phoneno

- password

- Marks of the student

  ▪ Faculty:

  - Id

  - Firstname

  - Lastname

  - Dob

  - Gender

  - Subject

  - Email

  - Phoneno

  - Password

CONCULSION

The main theme of the Student Portal Management System is to provide a convenient platform for the students to know/track their academic details in the pandemic situations where they cannot know any academic details.

Anyone with an internet facility can use this application. The college provides a website for students to access the application. They can also check the exam results, can change the password to make it more secure.