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SYNOPSIS

**ON**

**Student Management System**

Submitted By: Submitted To:

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**Student Management System**

**Objective:**

The objective of the Student Management System (SMS) project is to create an integrated platform for educational institutions to efficiently manage student-related processes. This includes maintaining a centralized database for student information, streamlining the admission process, managing class schedules, providing secure login portals, and ensuring the security of sensitive student data. The project aims to address challenges such as organizing vast amounts of student data, simplifying complex scheduling tasks, and safeguarding confidential information. The key features include grade input for teachers, a centralized student database, dynamic class schedules, and secure login portals.

**Scope:**

The project sets clear boundaries, including limitations on extensive customization beyond core functionality, pre-built integrations with specific third-party systems, and data migration from legacy systems in the initial phase. The methodology involves using HTML, CSS, and JavaScript for the front end, Bootstrap for web design, and Python (Django) for the back end, leveraging its built-in database functionalities.

**Methodology:**

The methodology for the Student Management System (SMS) project involves a systematic approach to ensure the successful development and implementation of the system

Front-End Technologies: For the user interface, HTML, CSS, and JavaScript are used. For web designing CSS Framework Bootstrap is used.

Back-End Technologies: For the back-end of the Student Management System which handles data processing and logic Python (Django) is used.

**Proposed System:**

The core idea of this Student Management System is to provide an integrated and efficient platform for educational institutions for managing student-related processes, enhance communication, and streamline administrative tasks. It aims to improve the educational experience for students and teachers while optimizing administrative efficiency.

**Features:**

* Grade Management
* Centralized Student Database
* Secure Login Portals
* Security of Student Data
* Secure Access Portals

**Implementation Plan:**

* Project Initiation and Requirements Gathering (Week 1):
* System Design and Development (Week 2):
* Testing and Quality Assurance (Week 3):
* Deployment and Project Closure (Week 4)

**Team Members:**

Ayush Shrivastava – Front-End

Darshan Vardhan Gupta – Back-End

Vardhan Darshan Gupta – Back-End

**Resources Required:**

The resources for this project will be use of Official "Bootstrap" website (For some templates). The Software used in the project is VS-Code (Visual Studio Code).

**References:**

We have taken reference from our university portal "GLAMS" for this project.

**Expected Outcomes:**

By the end of the project we expect to achieve a web based portal for students, Teachers and HOD. With all the Functionalities like(Add Student, Add Staff, Upload Result, Mark attendance, View result, Apply for leave, Provide Feedback, Approve Leave, Add course/subject) based on the authority level of an individual.

**Project Supervisor:**

Mr. Suman Kumar Das

**Conclusion:**

In summary, our Student Management System project is a big step forward in how we handle student-related tasks in our school. We've created a system that makes it easier to do things like enrolling students, keeping track of attendance, and managing grades. It's user-friendly and helps both students and teachers.

While we've come a long way with this project, there's more work to be done. We need to keep updating and maintaining the system to keep it useful and up-to-date in the ever-changing world of education.