**SYNOPSIS**

PROJECT TITLE : COMPUTER LABORATORY MANAGEMENT SYTEM

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PROGRAMMING LANGUAGE USED & PLATFORM :

* Hardware Requirements:
* Processor : Intel Core i3
* Ram : 512 MB or more
* Cache : 512 KB or more
* Hard disk : 10 GB hard disk recommended for primary partition

Or

* SSD : 10 GB SSD recommended for primary partition
* Software requirements:
* Operating System : Windows or Linux
* Front End Software : Browser- Chrome or any
* Back End Software : PHP, XAMPP Control Panel, PostgreSQL

CURRENT SYSTEM :

The current system might involve manual management processes for the computer laboratory, including paper-based sign-in sheets, manual equipment tracking, and limited data storage for user information and equipment maintenance records. There might be challenges such as inefficient resource allocation, difficulty in tracking equipment usage, and lack of real-time monitoring of laboratory activities.

PROPOSED SYSTEM

The proposed Computer Laboratory Management System offers a streamlined approach to managing students, staff, and resources within the computer labs. Through a user-friendly login/register system, users can access essential functionalities, including viewing lab metrics such as available labs, enrolled students, and teaching staff.

Additionally, the system simplifies document management by enabling users to download crucial documents like lab manuals and exam timetables/dates directly from the website. Also once logged in teachers can manage their schedules and oversee lab resources with ease. By optimizing accessibility and organization, the system enhances overall efficiency and improves the user experience for all stakeholders involved.