INSTITUTE OF TECHNOLOGY AND MANAGEMENT GIDA, GORAKHPUR (U.P)

A PROJECT SYNOPSIS

ON

UNIVERSITY MANAGEMENT SYSTEM

in partial fulfilment of award of

BACHELOR OF COMPUTER APPLICATIONS

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ABSTRACT

University Management System aims at providing the compatibility to simplify the process of information management and handling in Universities. This system consists of a multiple-login page that explicitly authorizes users based on their roles. It is beneficial for the Admin, Students, and Teachers to manage their tasks. The software system allows the Students to view their information along with Interactive classes, assignments, library etc. The admin can check each student and faculty details and can manage their accounts. The system also includes restricted login which provides temporary login session to unregistered viewers. This system allows users to interact between teachers, students, and administrators through email or chat. The admin has overall rights over the system and can moderate and delete any details not pertaining to college rules

OBJECTIVES & SCOPE

<u>OBJECTIVES</u>

The main objective of the project on University Management System is to manage the details of University, Students, Teacher, Exams, etc.

The Project is totally built at administrative end and thus only administrator is guaranteed the access.

The purpose of creating this project is to build an application program that manages University details and run interactive classes with real time problem solving support using E-library, Chat and E-mails.

To-do list to organize or schedule tasks.

<u>SCOPES</u>

- Enhance Security
- Get access from anywhere
- Online Exam Management
- Interactive Class with Zoom API
- Real Time Notification
- Online Meeting System

MODULES

- MULTIPLE LOGIN

Provides multiple user login and register from a single workspace.

- TEACHER

Dedicated teacher panel to manage classes and students with assignments and real time problem solving feature.

- STUDENT

Provides a student workspace where student can view their records, study, access library and ask queries for a specific subject.

- HOSTEL

Provides a workspace to manage hostel by managing rooms, adding students, in-out register, managing mess etc.

- LIBRARY

Provides a workspace to issue book, access e-library & library features by student along with fine and research papers.

- TRANSPORT

This module includes transport management like managing vehicles, routing, adding students with fee based on kilometers travelled.

- ATTENDANCE

This module provides a workspace to store attendance records.

- EXAMINATION

This module provides a workspace to manage different exams details in university with report card and promotion system.

FEATURES

- Good user interface and easy to use.

- Easy and fast retrieval

- Component Based

- Multiple Login with Validations

- To-Do list to manage works

- Invoice Printing for payments

- Data export in different formats

- Full control to admin

- Access from anywhere

- Real Time notifications

- Interaction between users

- Display Course details and progress

- Maintain records using MySQL CRUD

- Secure and Expandable

LIMITATIONS

- Internet Connection is Required

- Compromised Security by adding users along with admin database.

- Aliases are allowed to use entries multiple times.

- Don not have any backup for removed details.

- Partially Dynamic and Responsive

- Algorithms may be recreated to reduce complexity

- Attendance System can be improvised

- No online Exam for Course Subjects

SYSTEM REQUIREMENTS

Hardware Requirements

System: Pentium IV or Higher | 1.5 GHz

RAM: 1GB or Higher

Hard Disk: 30GB or Above

Operating System: Windows 7 Onwards

Software Platform: VS Code, Xampp Server, Chrome Browser

Language Used: PHP for Backend

Frontend: HTML/CSS & Bootstrap 5/ Bootstrap 3

Database: MySQL

REFERENCES

- https://stackoverflow.com/
- https://www.codegrepper.com/
- https://getbootstrap.com/
- https://www.google.com/