

# Internship Tracking System for Students

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**ABSTRACT** - The rapid growth of digital technologies has significantly improved the way educational institutions and organizations manage academic activities. Internships play an important role in helping students gain practical knowledge and industry experience. However, many institutions still face challenges in tracking student internship activities, managing assigned tasks, and maintaining proper communication between students and supervisors.

To address this issue, an **Internship Tracking System for Students** is proposed. The system is designed as a web-based application that helps institutions, supervisors, and students manage internship activities in an organized and efficient manner. Through this platform, supervisors can assign tasks to students, monitor their progress, and provide feedback, while students can view assigned work, submit completed tasks, and track their internship performance.

The system is developed using modern web technologies such as **Python with Flask for backend development, HTML and CSS for the frontend interface, and MySQL for database management**. The platform includes key features such as user authentication, task assignment, task submission, performance evaluation, and progress monitoring.

The proposed system simplifies the internship management process by providing a centralized digital platform where students and supervisors can interact effectively. It improves transparency, reduces manual record-keeping, and ensures efficient tracking of student internship activities.

**Key Words** Internship Tracking System, Student Internship Management, Task Assignment, Task Submission, Performance Evaluation, Python, Flask, MySQL, Web-Based Application, Internship Monitoring.

## 1.INTRODUCTION

The rapid development of digital technologies has greatly improved the way educational institutions manage academic activities and student progress. Internships play a vital role in helping students gain practical knowledge, develop professional skills, and understand real-world working environments. However, many institutions still rely on manual methods to track internship activities, which can lead to difficulties in monitoring student progress, managing assigned tasks, and maintaining proper communication between students and supervisors.

An **Internship Tracking System for Students** helps overcome these challenges by providing a digital platform to manage internship-related activities effectively. The system allows supervisors or managers to assign tasks to students, monitor their progress, and provide feedback on completed work. At the same time, students can log in to the system, view assigned tasks, upload completed work, and track their internship performance.

Despite the importance of internships, managing multiple students and their tasks manually can be time-consuming and prone to errors. Institutions require a simple and efficient system that can organize internship information, maintain records of student activities, and improve communication between students and supervisors. The **Internship Tracking System** is developed to provide a structured and user-friendly environment for managing internship processes.

The system acts as a centralized platform where tasks, submissions, and evaluations can be handled efficiently. By digitizing internship management, the system improves transparency, reduces paperwork, and ensures better monitoring of student internship activities.

## 2. BODY OF PAPER

### 2.1 System Overview

The **Internship Tracking System for Students** is designed as a web-based application that helps educational institutions manage and monitor internship activities effectively. The system provides a digital platform where supervisors or managers can assign tasks to students and track their progress throughout the internship period.

The system simplifies internship management by organizing student records, task assignments, submissions, and feedback in a centralized platform. Supervisors can assign tasks by providing task details and deadlines, while students can log in to the system, view assigned tasks, and upload their completed work.

This structured workflow improves communication between students and supervisors and ensures proper monitoring of internship activities. The system also helps maintain accurate records of student performance, making the internship management process more organized, efficient, and transparent.

### 2.2 System Architecture

The **Internship Tracking System for Students** follows a three-tier architecture consisting of the **frontend layer, backend layer, and database layer.**

The **frontend layer** is developed using **HTML and CSS**, which provides a simple and user-friendly interface for students and supervisors to perform operations such as login, task viewing, task submission, and feedback monitoring.

The **backend layer** is implemented using **Python with Flask**, which handles the application logic, user authentication, task assignment, submission processing, and communication between the user interface and the database.

The **database layer** uses **MySQL** to store structured information related to students, supervisors, assigned tasks, submissions, and feedback. The backend interacts with the database to store new records, retrieve task details, and manage internship progress efficiently.

### 2.3 System Modules

The **Internship Tracking System for Students** consists of several modules that manage different system operations and ensure smooth internship management.

#### 2.3.1 User Authentication Module

This module allows students and managers to log in securely to the system using their credentials. It ensures that only authorized users can access the system and perform their respective functions.

#### 2.3.2 Student Module

This module allows students to view assigned tasks, upload completed work, and track their internship progress through the system.

#### 2.3.3 Manager / Admin Module

This module allows managers or supervisors to manage student records, assign internship tasks, review submitted work, and monitor student performance.

#### 2.3.4 Task Assignment Module

This module enables managers to assign tasks or projects to students along with task descriptions and deadlines.

#### 2.3.5 Task Submission Module

This module allows students to upload and submit their completed tasks so that managers can review their work.

#### 2.3.6 Feedback and Evaluation Module

This module allows managers to provide feedback and evaluate student submissions, helping track their internship performance.

Table - 1: Functional Modules of the Internship Tracking System

Module	Description	Technology Used
User Registration	Allows students and managers to create an account by entering personal details such as name, email, and password to access the system.	HTML, CSS
User Login & Authentication	Authenticates registered users by verifying login credentials and provides secure access to the system.	HTML, CSS, MySQL
Task Assignment	Enables managers or supervisors to assign internship tasks to students with task title, description, and deadline.	HTML, CSS, MySQL
Task Viewing	Allows students to view assigned internship tasks and track their progress through the system.	HTML, CSS
Task Submission	Allows students to upload and submit completed tasks so that managers can review them.	HTML, MySQL
Feedback & Evaluation	Enables managers to review submitted tasks and provide feedback or evaluation to students.	HTML, MySQL
Database Management	Manages and stores system data such as user information, assigned tasks, submissions, and feedback.	MySQL
Admin Monitoring	Allows the admin to monitor system activities, manage users, and ensure smooth internship tracking.	HTML, MySQL

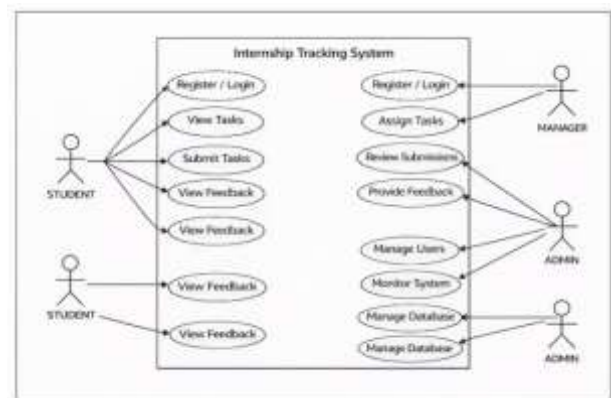


Fig -1: Use Case Diagram

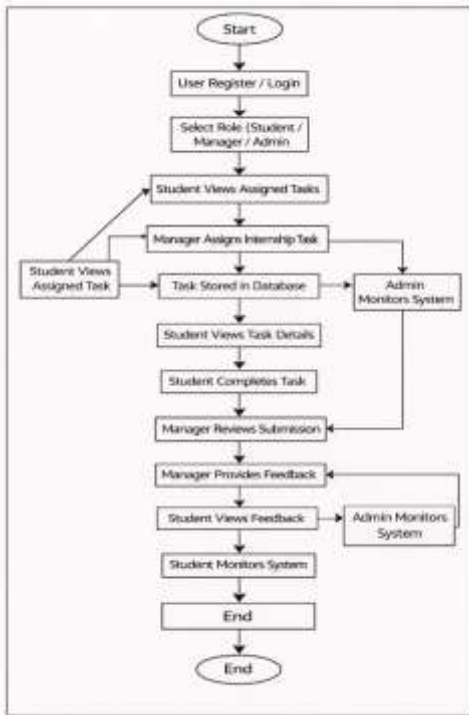


Fig -2: Workflow Diagram

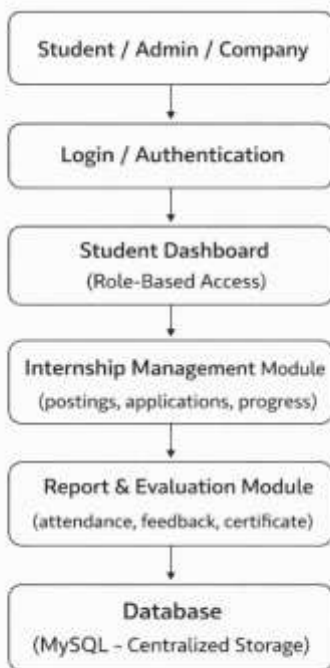


Fig -3: System Architecture

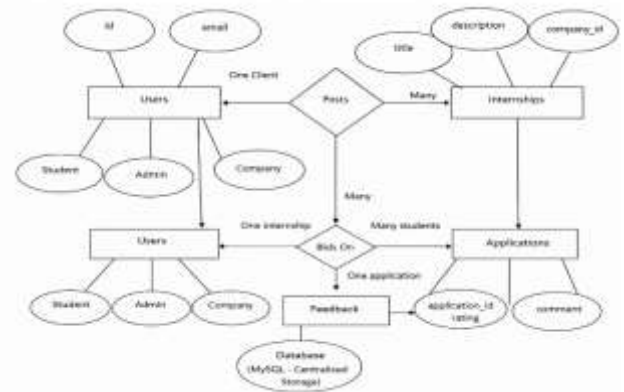


Fig -4: ER Diagram

### 3. CONCLUSION

The **Internship Tracking System for Students** developed in this project provides an efficient web-based solution for managing and monitoring student internship activities in a centralized digital environment. The system allows administrators or supervisors to assign tasks, while students can view assigned tasks, submit completed work, and track their internship progress through the platform. This system simplifies the traditional manual process of internship monitoring and improves communication between students and supervisors.

The system is designed using modern web technologies such as **HTML and CSS for the frontend interface, Python with Flask for backend development, and MySQL for database management.** These technologies help create a reliable and interactive platform that manages user authentication, task assignment, task submission, and feedback evaluation efficiently. The role-based access system ensures that administrators, managers, and students can access only the functionalities relevant to their roles.

Through the implementation of this system, the platform demonstrates how a centralized internship management environment can improve transparency, reduce manual documentation, and help institutions track student internship progress effectively. The system includes important features such as user registration, login authentication, task management, task submission, feedback evaluation, and administrative monitoring.

In the future, the system can be enhanced by adding features such as real-time notifications, automated progress reports, file upload support, and integration with academic management systems. These improvements will further enhance the efficiency and usability of the internship tracking platform.

Overall, the developed system successfully achieves its objective of providing a secure, organized, and user-friendly internship tracking platform that helps institutions manage and monitor student internships effectively.

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## REFERENCES

1. Grinberg, M.: Flask Web Development: Developing Web Applications with Python. O'Reilly Media, USA (2018).
2. Matthes, E.: Python Crash Course: A Hands-On, Project-Based Introduction to Programming. No Starch Press, USA (2019).
3. Duckett, J.: HTML and CSS: Design and Build Websites. John Wiley & Sons, USA (2011).
4. DuBois, P.: MySQL Cookbook: Solutions for Database Developers and Administrators. O'Reilly Media, USA (2014).