



Stay Ahead

# BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution, Affiliated to Anna University,  
Approved by AICTE, Accredited by NAAC with 'A+' Grade

**STUDENT NAME :** SAKTHI KUMARAN K

**SEAT NO :** 332

**PROJECT ID :** 12

**PROJECT NAME :** Audit Portal - BIT

**TECHNICAL COMPONENTS:**

COMPONENT	TECH STACK
FRONT END	REACT(JS Framework)
BACK END	SPRINGBOOT
DATABASE	MYSQL
API	RESTFUL API

## **Project Overview:**

The "Audit Portal" project is designed to facilitate the auditing process of college venues by auditors and enable them to report any issues or irregularities they encounter. The system aims to streamline the audit process, enhance transparency, and ensure effective management of venue functionalities within the college campus. The system will track reported issues and assign them to relevant authorities or departments for resolution. It will provide a mechanism for communication between auditors, facility managers, and maintenance staff to ensure timely resolution of issues.

## **Project Objectives:**

**User Authentication and Access Control:** The system will have secure login functionality to authenticate auditors and provide role-based access control to different features of the portal.

**Audit Management:** Auditors can initiate audits for various college venues such as classrooms, laboratories, libraries, and recreational areas. They can schedule audits, assign auditors to specific venues, and track the status of ongoing audits.

**Venue Information Management:** The portal will maintain a database of college venues, including details such as location, capacity, facilities available, and previous audit reports.

**Audit Reporting:** Auditors can record their observations and findings during audits using predefined templates or custom forms. They can report issues such as equipment malfunction, cleanliness issues, safety hazards, or any other irregularities they encounter.

**Issue Tracking and Resolution:** The system will track reported issues and assign them to relevant authorities or departments for resolution. It will provide a mechanism for communication between auditors, facility managers, and maintenance staff to ensure timely resolution of issues.

**Notification and Escalation:** The portal will send automated notifications to stakeholders regarding upcoming audits, overdue tasks, or unresolved issues. It will escalate critical issues or overdue tasks to higher authorities for prompt attention.

**Reporting and Analytics:** The system will generate reports and analytics on audit findings, issue resolution status, trend analysis, and performance metrics. These insights will help college management identify areas for improvement and make informed decisions regarding facility management.

## **FEATURES:**

### **1.Input Collection Module:**

- Collects relevant information from auditors such as their ID, name, department, and contact details.
- Additionally, gathers details about the venues to be audited, including location, facilities, and any specific requirements.

### **2.Task Assignment by Admin Module:**

- The admin manually assigns audit tasks to auditors based on their availability, expertise, and workload.
- This module includes functionalities for selecting auditors, assigning specific venues or areas to audit, and setting deadlines for completion.

### **3.On-site Audit Module:**

- Facilitates auditors during on-site inspections by providing access to audit checklists, forms, and guidelines.
- Allows auditors to document observations, findings, and recommendations in real-time.

### **4.Issue Tracking and Resolution Module:**

- Tracks reported issues and assigns them to relevant authorities or departments for resolution.
- Provides a platform for communication between auditors, facility managers, and maintenance staff to ensure timely resolution of issues.

### **5.Communication and Notification Module:**

- Sends automated notifications to stakeholders regarding audit schedules, upcoming inspections, overdue tasks, and resolution status of reported issues. Facilitates communication between auditors, administrators, and other relevant parties.

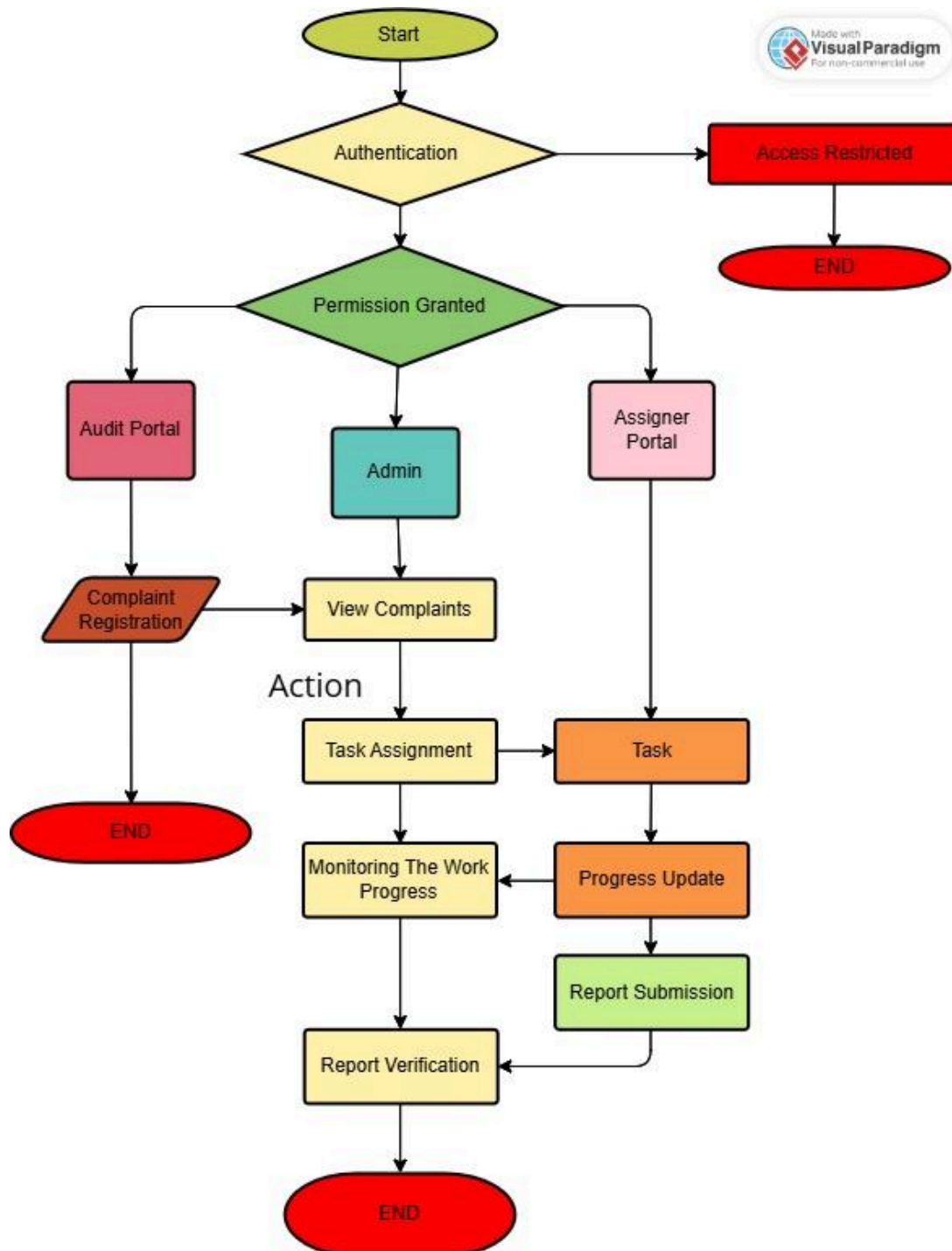
#### 6.Integration and Collaboration Module:

-Integrates with existing systems and platforms used by the college, such as management systems, databases, and communication tools. Promotes collaboration and information sharing among different departments and stakeholders involved in the auditing process.

#### Project Timeline:

PHASES	PROCESS	STATUS
Phase 1	Planning and Requirement Documents	OnGoing
Phase 2	System Development	-
Phase 3	Testing and Quality Assurance	-
Phase 4	Deployment and Implementation	-
Phase 5	Training and User Acceptance Testing	-
Phase 6	Maintenance and support	-

## FLOWCHART



## ER DIAGRAM

