

Software Requirement Specification for TAC Portal

Name	CIBI VISHNU A C
Roll no	7376221EC134
Seat no	399
Project ID	39
Problem Statement	BIT Staff Quarters Portal

1. Introduction

1.1. Purpose:

The staff quarters portal aims to efficiently manage residential accommodations for employees. It facilitates user authentication, account verification, staff information updates, and administrative control. The system ensures secure access and streamlines essential tasks related to staff housing.

1.2. Scope of Project:

- **User Authentication and Login:** Implementing secure login functionality for staff members.
- **Account Verification:** Creating a process to verify account details.
- **Staff Information Management:** Allowing staff to update personal information and curriculum details.

- **Administrative Control:** Providing administrators with tools to manage security settings, verify intern details, filter applications, assign supervisors, handle complaints, and update complaint statuses.

COMPONENT	TECHNOLOGY
Front End	React js
Back End	Java with Spring Boot
API	REST Ful API
Database	MySQL

2. System Overview:

2.1. Users:

1. Faculties:

These are the primary users of the portal. Staff members include employees, interns, and workers residing in the staff quarters. They log in to access their personal information, update details, and communicate with administrators.

2. Admins:

Admins have elevated privileges within the system. They manage user accounts, verify details, and oversee staff housing. Admins can handle complaints, assign supervisors, and maintain security settings

3. Securities:

Verify the identity and details of residents during check-in or allocation. Ensure compliance with security protocols. Report any irregularities or security concerns.

2.2. Features:

1. Login and registration:

Staff members can securely log in using their credentials. Failed login attempts display an error message. Successful login leads to the next step.

2. Staff Information Management:

Staff can update personal information (contact details, emergency contacts, etc.). Curriculum details (educational qualifications, work experience) can be entered or modified.

3. Administrative Control:

Admins have elevated privileges:

Security Settings: Manage access controls, permissions, and user roles.

Verify Intern Details: Verify information for interns or new staff members.

Filter Applications: View and filter applications based on status (e.g., pending, approved).

Assign Supervisors: Assign supervisors to interns or workers.

Handle Complaints: View and address workers' or residents' complaints.

Update Complaint Status: Track and update complaint resolution.

4. Security Personnel Interaction:

Security personnel verify inmates (residents) during check-in or allocation.

System Workflow:

