

SOFTWARE REQUIREMENT SPECIFICATION

BIT-INTERVIEW CANDIDATES DETAILS PORTAL

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DEPARTMENT : COMPUTER SCIENCE AND BUSINESS SYSTEMS

PROJECT-ID : 29

PROBLEM STATEMENT : BIT-INTERVIEW CANDIDATES DETAILS PORTAL

SEAT NO : 29

STACK : MERN STACK

FRONT-END	React (JS Library for building user interfaces)
BACK-END	Node.js with Express.js
DATABASE	MongoDB(NOSQL Database)
API	OpenAPI

1.PROBLEM STATEMENT

Develop an Interview Candidate Details Portal using the MERN stack to facilitate efficient management and viewing of candidate information. The portal is designed for administrators to have full control over candidate details, enabling them to edit, delete, update, and view information based on various department categories. Additionally, other faculty members are granted restricted access to log in and view candidate details segregated by the departments they interviewed for.

2.INTRODUCTION

2.1.PURPOSE OF THE DOCUMENT

The purpose of this document is to provide a clear, detailed, and structured overview of the "Interview Candidate Details Portal" project. The document expounds on the project's

objectives, functionalities, expected outcomes, and deliverables, ensuring a clear and detailed understanding of the project's scope and significance.

2.2.SCOPE OF THE PROJECT

The scope of the "Interview Candidate Details Portal" project encompasses several key areas that outline the boundaries and objectives of the project.

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- Creation of a secure authentication system for admin and faculty users to ensure that access to candidate details is restricted to authorized personnel.
- Implementation of different user roles, such as admin and faculty, with varying levels of access and permissions within the portal.
- Incorporation of a system for categorizing candidate details based on the departments for which they were interviewed, enabling efficient data organization and retrieval.
- Development of an intuitive and user-friendly interface to facilitate easy navigation and information retrieval for both admin and faculty users.

3.SYSTEM OVERVIEW

The "Interview Candidate Details Portal" is a comprehensive platform built using the MERN stack to facilitate the management and viewing of candidate information.

1.ADMIN : The system offers functionalities for administrators to perform CRUD operations, categorize candidate details by department, and control user access.

2.FACULTY : Faculty users are provided with restricted access to view candidate information based on specific departments.

4.FEATURES

4.1.USER AUTHENTICATION

Secure login system for admin and faculty users to ensure data privacy and access control.

4.2.ADMIN ACCESS

Edit, delete, update candidate details and view by department categories.

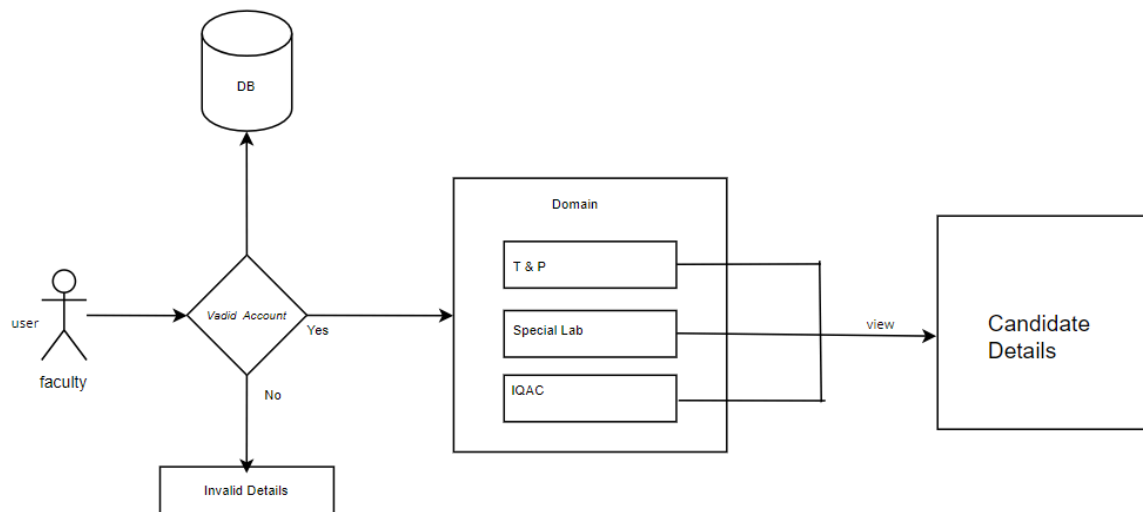
4.3.DEPARTMENT CATEGORIZATION

Ability to categorize candidate details based on different departments to facilitate organized data retrieval.

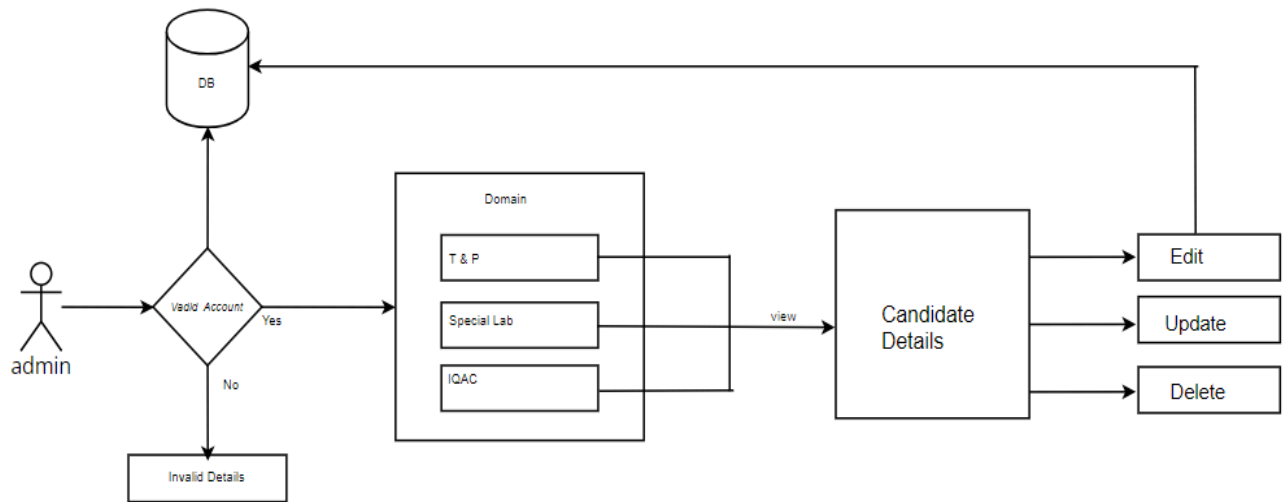
4.4.FACULTY DASHBOARD

Restricted access for faculty to view candidate details categorized by departments. Distinct roles for admin and faculty users with specific permissions and access levels.

USER INTERFACE



ADMIN INTERFACE



5.FUNCTIONAL REQUIREMENTS

5.1.ADMIN DASHBOARD

- Admins have access control with an analytical dashboard and dedicated features. Administrators should have the ability to add, edit, update, and delete candidate details.
- The admin should be able to retrieve candidate information based on different categories such as the department for which the candidate appeared.

5.2.USER DASHBOARD

- Faculties should have a secure login mechanism to access the portal.
- Access should be restricted to only viewing candidate details by category; faculties should not be authorized to perform any editing or deletion.
- Faculties should be able to view candidate details specific to their categories, ensuring they can access necessary information relevant to their departments.

5.3.SEARCH FUNCTIONALITY:

Admin and Faculties should be able to search for a candidate by their ID.

6.NON-FUNCTIONAL REQUIREMENTS

6.1.PERFORMANCE

The system must respond to user actions within 2 seconds to ensure efficient usability and must handle a concurrent user load of at least 100 users without significant performance degradation.

6.2.SCALABILITY

The system should be designed to accommodate an increasing number of users and data volume over time, and it should be scalable to support additional features and functionalities as per future requirements.

6.3.RELIABILITY

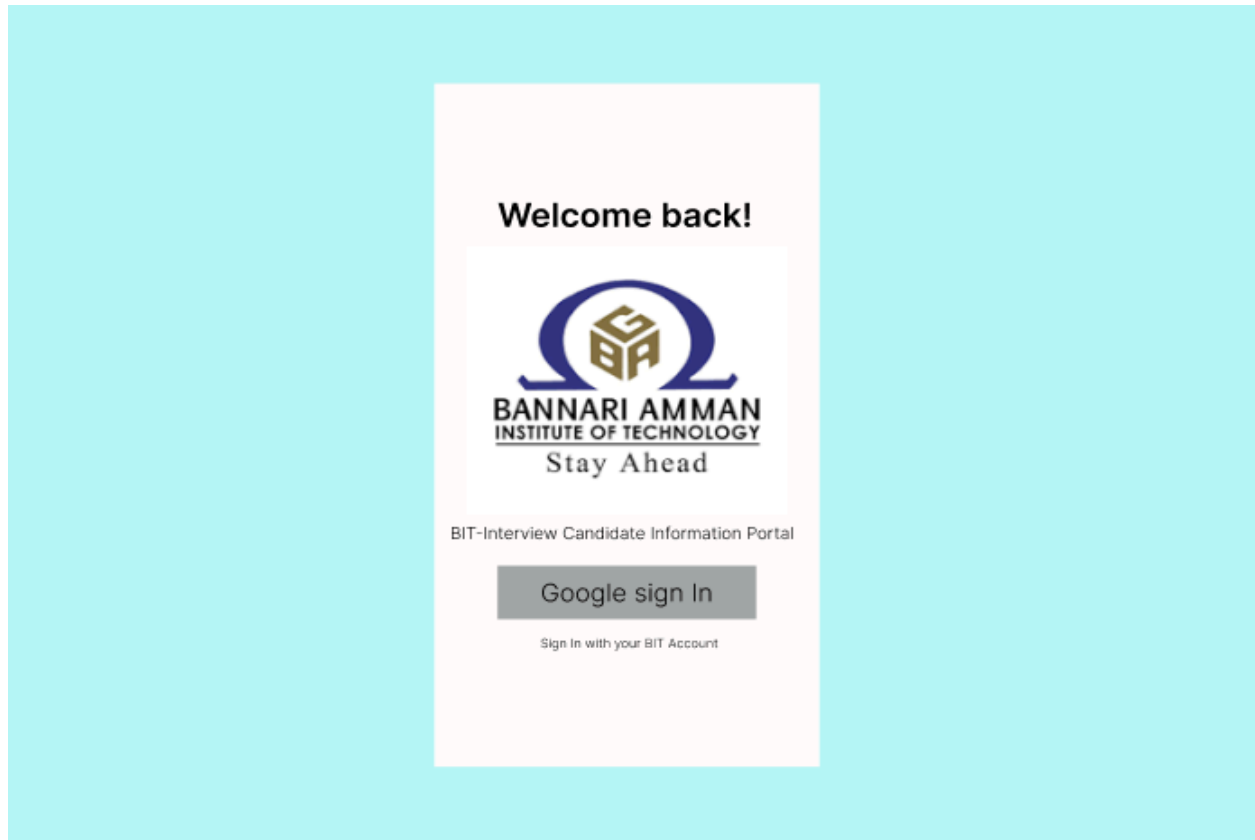
The system should be available 24/7 with minimal downtime and should have a backup and recovery mechanism in place to prevent data loss in case of system failures or crashes.

6.4.USABILITY

The user interface should be intuitive and user-friendly, with clear and concise error messages provided to guide users in case of input errors or system failures.

PROTOTYPE

ADMIN:





DOMAIN

SPECIAL LAB

T & P

IQAC

OFFICE
ACADAMICS

STUDENT
AFFAIRS

APPROVALS

REWARDS BIT

COE BIT

TAC BIT

PS



CANDIDATE DETAILS

DOMAIN-T&P

SEARCH



EDIT

SAVE

SELECTED

S.NO	NAME	PHONE NUMBER	PHOTO UPLOAD	ADDRESS
1	ARUN			
2	YAZH			



HOLD

S.NO	NAME	PHONE NUMBER	PHOTO UPLOAD	ADDRESS
1				
2				



REJECTED

S.NO	NAME	PHONE NUMBER	PHOTO UPLOAD	ADDRESS
1				
2				



BACK



CANDIDATE DETAILS

NAME :

BRANCH AND DEGREE :

GENDER :

YEAR OF PASSING :

CONTACT NUMBER :

ADDRESS :

EDUCATIONAL DETAILS :

RESUME UPLOAD :

DATE OF INTERVIEW :

SELECTION STATUS :

PHOTO :

If Applicable

DATE OF JOINING :

WORKING STATUS :

SUBMIT

USER(FACULTY):

CANDIDATE DETAILS

DOMAIN-T&P

SEARCH

SELECTED

S.NO	NAME	PHONE NUMBER	PHOTO UPLOAD	ADDRESS
1	ARUN			
2	YAZH			

HOLD

S.NO	NAME	PHONE NUMBER	PHOTO UPLOAD	ADDRESS
1				
2				

REJECTED

S.NO	NAME	PHONE NUMBER	PHOTO UPLOAD	ADDRESS
1				
2				

BACK