VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024 WINTER INTERN PRESENTATION

ANDROID APPLICATION

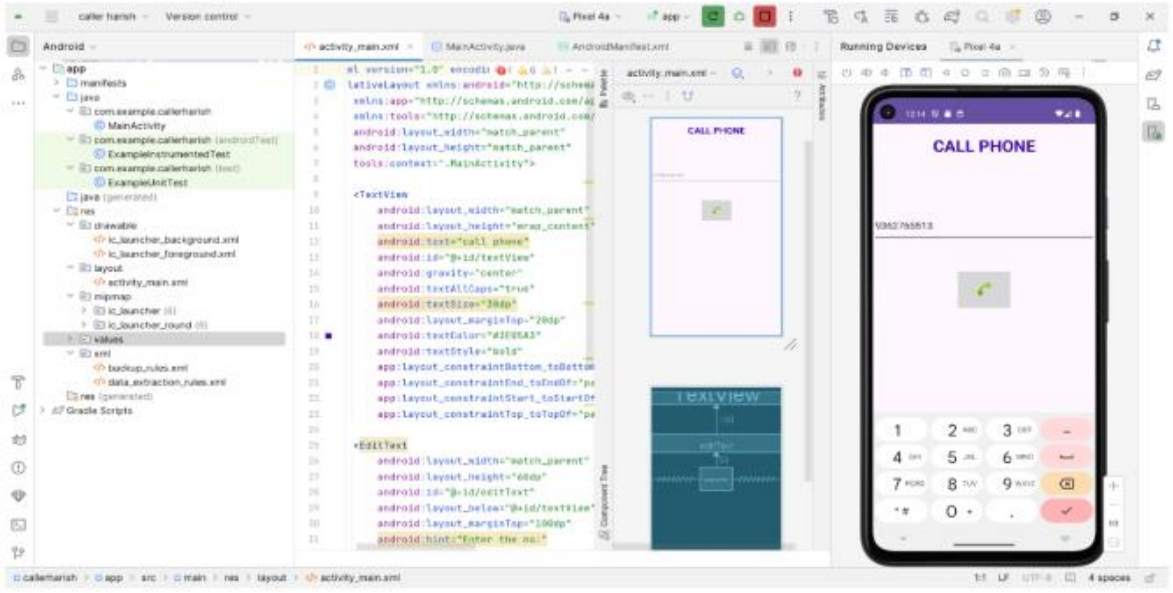
TEAM MEMBERS
PRANAV M V
HARISH K S
SIVASAKTHIVEL P
NAGASURYA T G

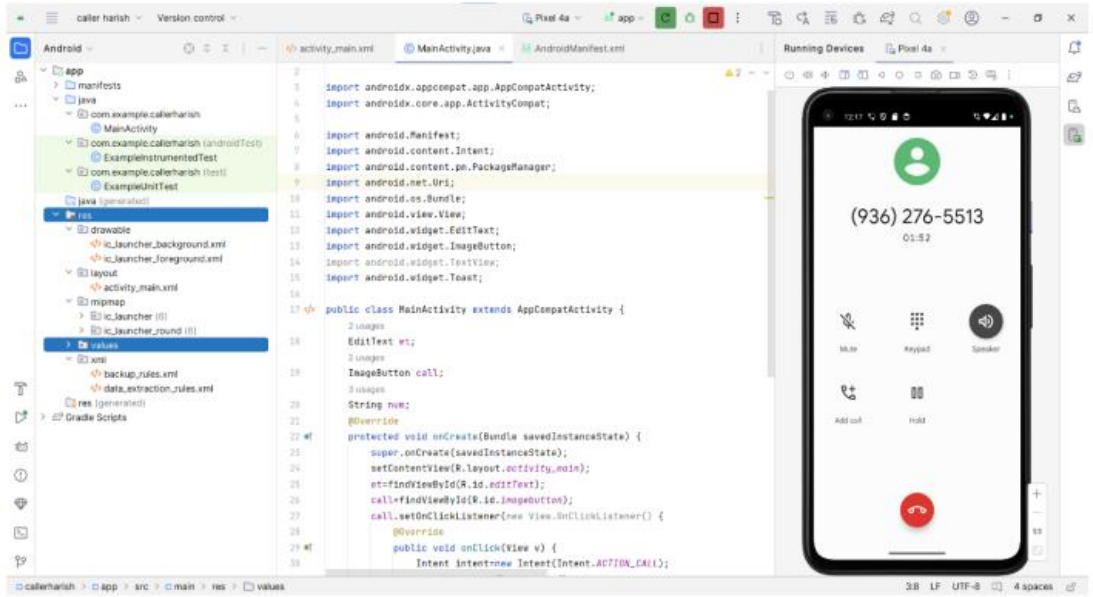
FACULTY MENTOR
Mrs. S. PADMADEVI, M.E.,(PhD)

COMPANY DETAILS

Name of the Company	: National Small Industries Corporation
Address of the Company	: Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai – 600 032.
Duration of Internship	: 22.12.2023 – 05.01.2024 (15 days)
Mode of Internship	: Offline

PROJECT COMPLETION (SCREEN SHOTS)





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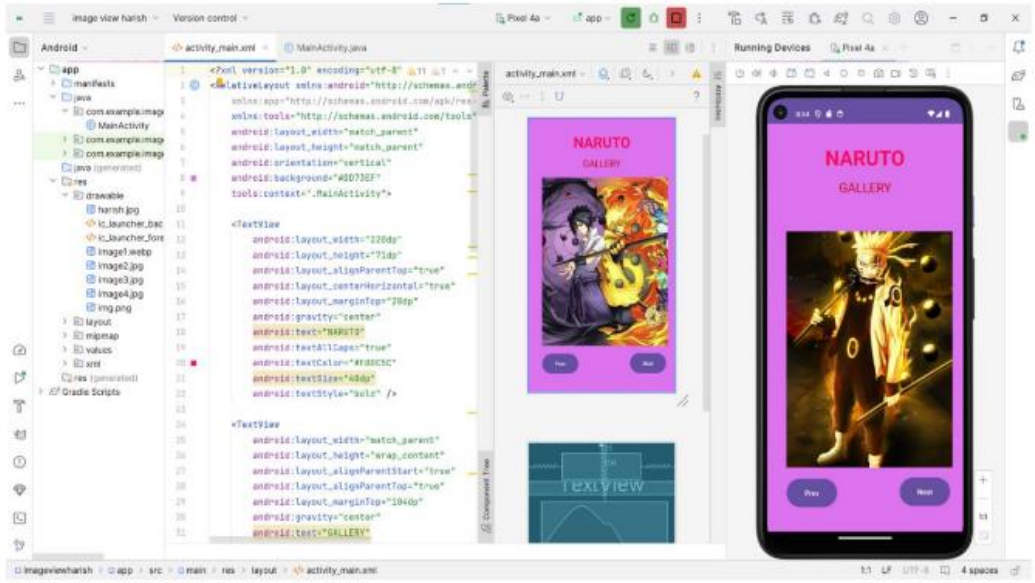
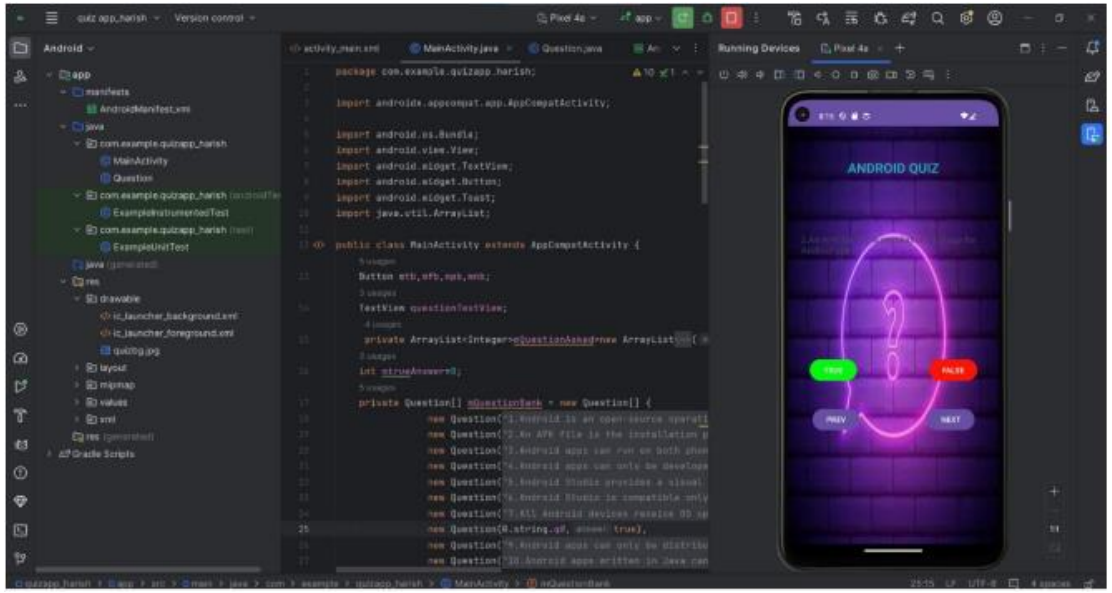




VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024 SUMMER INTERN PRESENTATION

FACULTY DATABASE MANAGEMENT SYSTEM

TEAM MEMBERS
PRANAV M V
HARISH K S
SIVASAKTHIVEL P
NAGASURYA T G
ASWINKUMAR G

FACULTY MENTOR
Mrs. S. PADMADEVI, M.E.,(PhD)

COMPANY DETAILS (IN-HOUSE)

Name of the Company :VCET– Software Skill Development Center

Address of the Company : Viraganoor, Madurai – 625009.

Duration of Internship : 22.06.24 – 22.07.24 (30 days)

Mode of Internship : Offline

AIM/OBJECTIVE

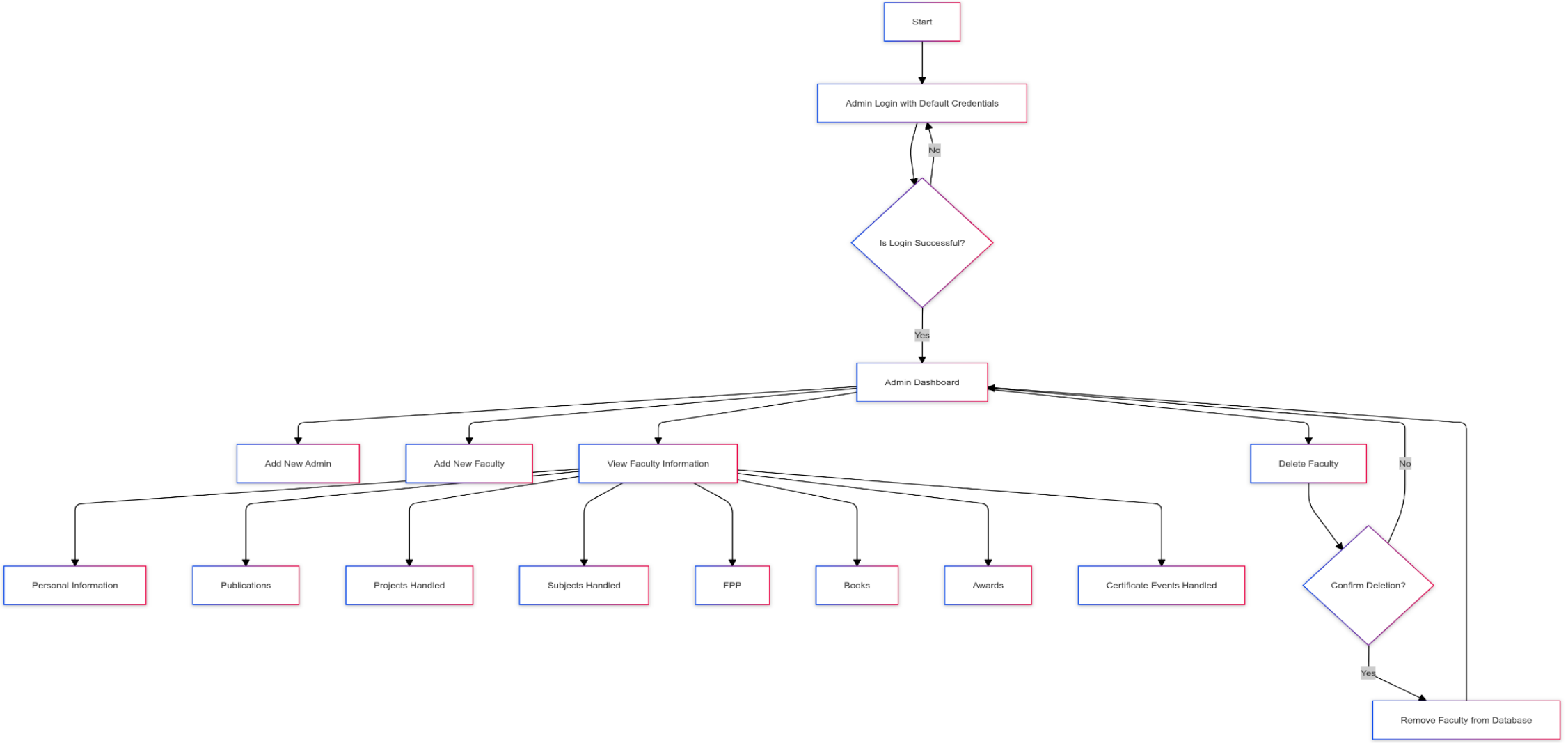
- To develop an efficient and user-friendly Faculty Database Management System using MERN technologies that centralizes the storage and retrieval of faculty information, enabling seamless management and accessibility for college faculties, HODs, and principals while ensuring data integrity and security.

- To incorporate advanced search and filter functionalities that allow users to quickly locate specific faculty information, improving efficiency and supporting informed decision-making.

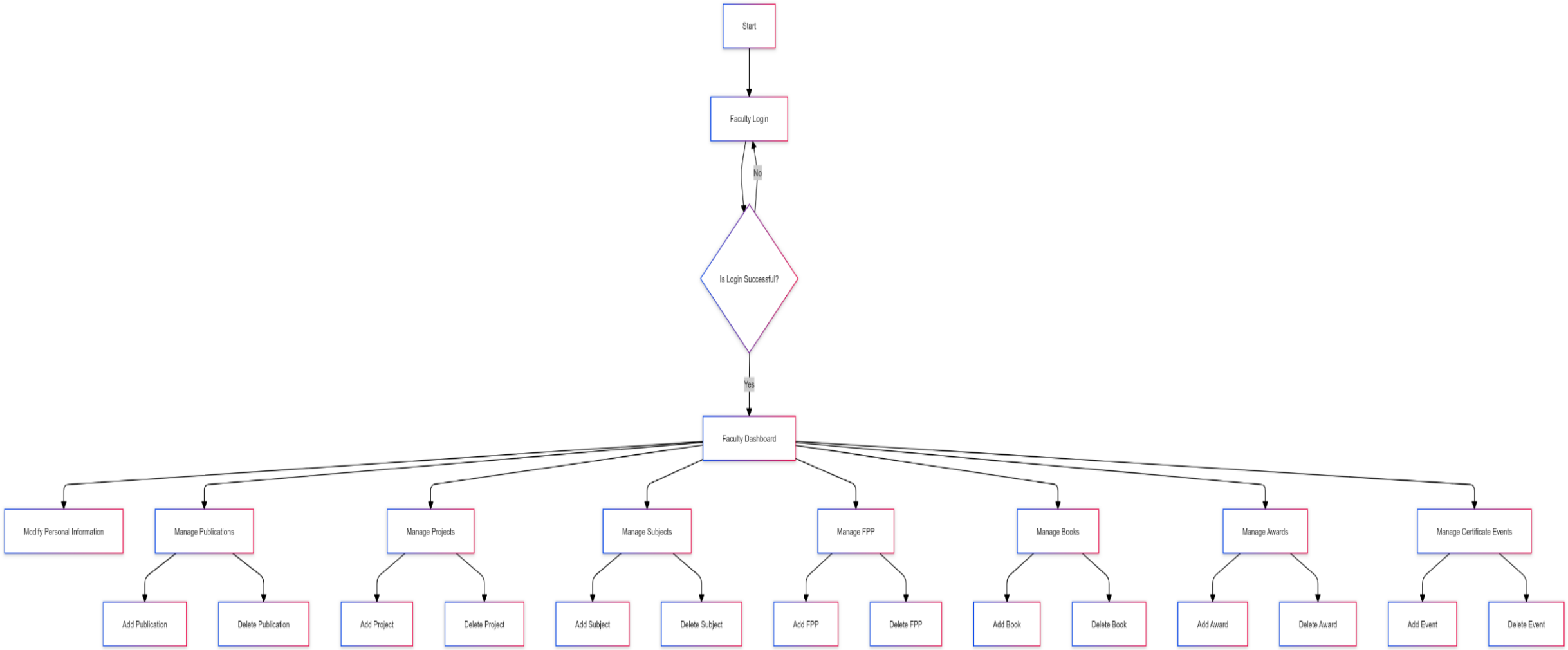
PRE-REQUISTES

- React.js: A JavaScript library for building user interfaces with reusable components and a declarative approach to UI development.
- Node.js: A JavaScript runtime built on Chrome's V8 engine that allows for server-side execution of JavaScript, enabling the creation of scalable network applications.
- Express.js: A minimal and flexible Node.js web application framework that provides a robust set of features for building web and mobile applications.
- MongoDB: A NoSQL database that stores data in flexible, JSON-like documents, allowing for dynamic schemas and easy scalability.

FLOW DIAGRAM - ADMIN



FLOW DIAGRAM - FACULTY



PROJECT MODULES

1. Authentication Module

Manages user access through secure login functionalities for both admins and faculty, ensuring role-based permissions.

2. Admin Dashboard Module

Provides admins with tools to add, delete, and view faculty members, along with search and filter options for efficient management.

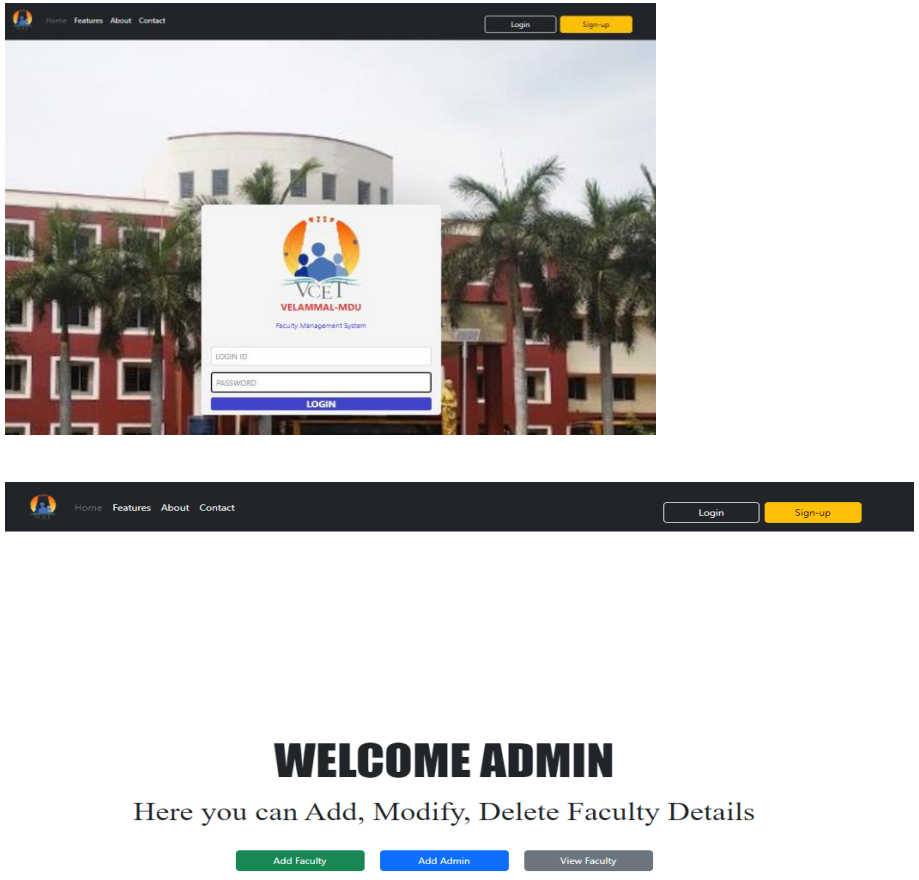
3. Faculty Profile Module

Allows faculty to view and modify their personal information and manage details about publications, projects, events, FPP, certifications, awards, etc..,

4. User Profile and Settings Module

Offers faculty and admins the ability to update personal information, change passwords, and manage account settings for enhanced security and personalization.

PROJECT COMPLETION (SCREEN SHOTS)



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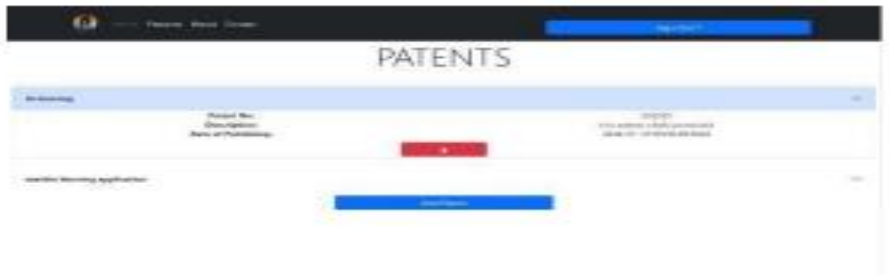

OUTCOMES

1. Centralized Data Management: A unified platform for easy access and organization of faculty information.

2. Improved Efficiency: Streamlined processes for faculty and admin tasks, saving time on data management.

3. Enhanced Collaboration: Facilitated sharing of research and achievements among faculty members.

4. Real-Time Updates: Immediate access to the latest faculty information, ensuring accuracy.

5. Data Insights: Reporting capabilities that provide valuable insights into faculty contributions and performance.