



**9530**

**St.MOTHER THERESA ENGINEERING COLLEGE**

**COMPUTER SCIENCE ENGINEERING**

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**REG NO: 953023104053**

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**Completed the project named as**

**Phase 3**

**LOGIN AUTHENTICATION SYSTEM**

**SUBMITTED BY,**

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## **Phase 3 — MVP Implementation**

### **1. Project Setup**

- Initialize the project repository on GitHub.
- Configure project environment (dependencies, frameworks, build tools).
- Create folder structure (e.g., src/, components/, tests/, database/).
- Set up linting, formatting (Prettier/ESLint), and environment variables.
- Document setup steps in README.md.

### **2. Core Features Implementation**

- Build user-facing features based on requirements (e.g., login, dashboard, CRUD operations).
- Implement backend API (if needed) for data exchange.
- Ensure proper routing and navigation (if web/app project).
- Write modular, reusable code for scalability.

### **Data Storage (Local State / Database)**

- Choose data storage solution (local state management, SQLite, Firebase, or SQL/NoSQL database).
- Design and implement database schema/tables.
- Integrate data read/write operations into core features.
- Handle error cases (invalid inputs, failed requests).

## **Testing Core Features**

- Write unit tests for components/modules.
- Perform integration testing for APIs and database operations.
- Test UI/UX flow to ensure smooth navigation.
- Log and fix bugs found during testing phase.

## **Version Control (GitHub)**

We will host the project in a GitHub repository,

REPOSITORY LINK :

<https://github.com/manasa8072/SMTEC-NM-IBM-LOGIN-AUTHENTICATION-SYSTEM.git>