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St.MOTHER THERESA ENGINEERING COLLEGE

COMPUTER SCIENCE ENGINEERING

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Completed the project named as

Phase 3

LOGIN AUTHENTICATION SYSTEM

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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 had host the project in a Github repository.

REPOSITORY LINK: <https://github.com/Jeswin-Madona/SMTEC-NM-IBM-LOGIN-AUTHENTICATION-SYSTEM.git>