



**9530**

**St.MOTHER THERESA ENGINEERING COLLEGE**

**COMPUTER SCIENCE ENGINEERING**

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**REG NO: 953023104038**

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**Completed the project named as**

**Phase 4**

**LOGIN AUTHENTICATION SYSTEM**

**SUBMITTED BY,**

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## **Phase 4 – Enhancements & Deployment**

### **◆ Additional Features**

- Integration of extra functionalities requested by users.
- Example: Notifications, export/download options, or advanced search.
- Customization settings for better usability.

### **◆ UI/UX Improvements**

- Refinement of design for intuitive navigation.
- Consistent color scheme, typography, and responsiveness.
- Improved accessibility for all device types.

### **◆ API Enhancements**

- Optimization of existing APIs for faster response time.
- Implementation of additional endpoints for extended features.
- Securing APIs with authentication & authorization.

### **◆ Performance & Security Checks**

- Load testing and stress testing of the system.
- Vulnerability scanning to ensure data security.
- Code optimization to reduce memory & CPU usage.

### ◆ **Testing of Enhancements**

- Unit testing for individual modules.
- Integration testing to ensure system stability.
- User Acceptance Testing (UAT) for real-world validation.

### ◆ **Deployment**

- Hosting on **Netlify / Vercel / Cloud Platform (AWS, Azure, IBM Cloud, etc.)**.
- Setting up CI/CD pipeline for smooth updates.
- Monitoring logs & analytics post-deployment.