**Project Abstract**

**Project Title:** Integrated Diagnostic and Hospital Workflow System  
**Keywords:** Diagnostic Tools, Hospital Management, Patient Care, Healthcare Technology, Workflow Efficiency, Data Management

**Project Description:**  
The Integrated Diagnostic and Hospital Workflow System aims to streamline hospital operations and enhance patient care by integrating diagnostic tools with management tasks. The system's primary goal is to create a user-friendly interface for medical staff to input, store, and retrieve diagnostic test results and manage patient records effectively.

**Objectives:**

* Provide a platform for hospital staff to manage diagnostic test results.
* Ensure secure storage and handling of patient data.
* Improve hospital operations through efficient workflow management.
* Enhance patient care with accurate and timely diagnostic information.

**Scope:**

* User authentication and authorization.
* Forms to input diagnostic results (blood tests, urinalysis, ECG, cholesterol, ultrasound, blood pressure).
* Secure storage of diagnostic results in a database.
* User-friendly interface for displaying results.
* Management of patient records.

**Functional Requirements:**

1. User login and registration.
2. Forms to input diagnostic results.
3. Display diagnostic results.
4. Secure storage of results.
5. Patient record management.

**Non-Functional Requirements:**

1. Responsive design.
2. Secure data handling.
3. User-friendly interface.

**Technologies Used:**

* **Frontend:** HTML, CSS, JavaScript, React.js
* **Backend:** Node.js, Express.js
* **Database:** MySQL
* **Version Control:** Git, GitHub
* **Deployment:** Vercel/Netlify

**Development Phases:**

1. Planning
2. Requirements Analysis
3. Design
4. Implementation
5. Testing
6. Deployment
7. Maintenance

**Conclusion:**  
This system is a comprehensive solution for improving hospital operations and patient care through the integration of diagnostic tools and management tasks, providing a seamless and efficient workflow for hospital staff and patients.