



IntelliConsult

**Software Engineering - (IT314)
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Group 1

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IntelliConsult: Project Gateway

1. Introduction

IntelliConsult is a smart healthcare platform designed to bridge the gap between patients and doctors. It simplifies the medical process by offering features like intelligent appointment scheduling, secure video consultations, and a digital dashboard for managing health records. A key highlight is its **AI Triage system**, which analyzes patient symptoms to prioritize urgent cases, ensuring that critical care is delivered when it matters most.

2. Project Implementation & Demo

You can view our complete source code and a video demonstration of the working project using the links below:

- **GitHub Repository:**
https://github.com/Om1505/Smart_Healthcare_Appointment_And_Triage_System
- **YouTube Video Demo:**
<https://youtu.be/QHqM2HRCCFo?si=GK8KAbOMQM6tqc1f>

3. Project Documentation Structure

To keep our submission organized, we have separated our design, user stories, and testing documents into specific files. Please refer to the files below for detailed information:

- **Documentation Files(FR_NFR,Sprints and Epics,Design Document,System Design,Object Design) :** Contains User Stories, Functional Requirements, and Design Diagrams.
- **Testing Files(Unit and Mutation Testing,System Testing,GUI Testing,Non Functional Testing):** Contains different Testing Documents.

4. Requirements not completed/implemented in the project

While IntelliConsult successfully implements core telemedicine features, the following requirements were scoped for future development and are not included in the current version:

1. **Hospital-Level Integration:** The current platform operates on an individual doctor-patient model. We intended to implement a broader hospital-centric module, which would allow patients to search for hospitals directly and book appointments with doctors affiliated with specific medical institutions.
2. **Offline Appointment Booking:** The system currently supports only online video consultations. A key requirement that remains to be implemented is the option for patients to schedule offline, in-person visits for physical examinations and clinic consultations.
3. **Specialty-Specific Triage Questionnaires:** At present, the pre-consultation intake form uses a standardized set of questions for all patients. We aimed to develop dynamic questionnaires that adapt based on the doctor's specialization (e.g., different questions for Cardiology vs. Dermatology) to gather more relevant medical insights.