



Project Proposal

Title: Hospital Management System

Program Name: Extricate

Subject: SE1133 – Intro to Programming

Class: 203 SE 1A

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Overview

Hospitals need a uniform program that helps them organize their patients, doctors and resources.

Extricate – which is a Hospital Management System – Aims to do just that. *Extricate* is the name of this Software. It will help all kinds of users. Admins will be able to keep an eye on the activity of Patients and Doctors. Doctors will be able to communicate with their patients and Patients will be able to check their appointments.

Objectives

The following are the prime objectives that *Extricate* aims to fulfill:

- Ease of Administration
- Ease of Sorting for Patients and Doctors
- All in One solution for Hospitals
- Reduce errors in data handling
- Improve Time Efficiency
- Maintain Medical Records of Patients
- Cost Effective and Easily Manageable
- Easy Monitoring

Scope / Features

Extricate aims to provide the following features to its users:

- User System – Registration / Login
 - Patients
 - Doctors
 - Admins
- User blocking system
- Personal Notes for users
- Doctor Appointments
- Patients Fees
- Complete log of every activity
- Tracking Bill Payments

Technologies used

- **Programming Language:** C++14
- **Linguistic Language:** English
- **Code Editor:** Visual Studio Code
- **Compiler:** MinGW

Conclusion

Extricate is a Hospital Management System which aims to provide ease of use to all the users using it. It will give Admins full control over the regular users for surveillance. It will give doctors resources to appoint and refer patients and it will help the patients keep a personal list as well as help them manage their appointments and check and pay their hospital bills. It's a cost effective and uniform solution for the users.