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| **Group-ID** | **Student Registration Number** | |
| G13 | 2020-CS-107 | 2020-CS-126 |
| **Project Title (Max. one line title)** | | |
| **Hospital Management System** | | |
| **Project Description (Min. 600 words)** | | |
| The basic concept it to completely digitalize Hospital and Health Care systems, so it would become much easier for the patients to get an appointment and keep track of their medical record. Seek online help and checkup which seemed to be of great importance during these days of pandemic. Moreover, it will be much easier to interact with doctors for the patients. When a person is ill he and his family do not want to bear any trouble, so through digitalization of Hospital Systems we can make things much easier from now. Our attempt is to create a comprehensive Hospital Management System.  This project has following features   * This project should have **users** i.e. Patient, Doctor, Staff Members and support for new users. And an Admin user who can manipulate all the data. (Admin users can be more than one). * Patient can interact and **communicate** with expert and experienced (up to some extent). Due to this feature patient does not need to physically appear before the doctor to seek professional advice but he can simply communicate with the doctor which might prove to be helpful for the patient. * **Appointment Management** is one of the core function of a digital hospital management system. Patients can make appointments with doctors to seek medical advice. * **Billing Management** will manage billing associated with treatment, medicine and laboratory tests. * **Prescription Management** keeps a record of prescriptions and also delivers the prescription to the patient in his portal. * Hospital management system also maintain a **record of patient’s medical history** which is very useful from medical point of view because this information gives your doctor all kinds of **important** clues about what's going on with your health, because many diseases run in families. The **history** also tells your doctor what health issues you may be at risk for in the future. * **Staff management** system should manage all the data of staff members e.g. doctors, paramedics, nurses etc. This system will keep track of employee information such as salary details, medical information, attendance / leave records, overall performance and workhours * **Pharmacy system** will manage all the medicines (their purchases and sales) for the hospital. Can also deliver the prescribed medicines to the patient. * **Ward Management System** will manage all the data of a wards in the Hospital. It will keep track which ward have beds available (so that they can be registered by new patients) and the data of patients currently admitted (also includes which doctor is treating which patient). * **Ambulance Dispatch System** will manage the ambulance system of the hospital. Includes the data of all the ambulances and paramedics, it receives request from the patients and dispatch ambulance if the situation is appropriate. (Plus feature would be that it keeps the track of location of ambulances as well e.g. the location to which ambulance was dispatched). * **Hospital procurement system** will manage all the purchases of the hospital e.g. purchase of equipment and tools. **Hospitals** exist to provide emergency care for patients with accidents or injuries, for unexpected medical care, for scheduled or unscheduled surgeries and to deliver babies.   So, it is very important to manage and order equipment properly to save more lives.   * **Hospital Repair System** is also of a great significance in any Hospital. This unit receive request from the staff regarding faulty equipment and dispatches suitable professional unit for the job. * **Morgue System** manages the data of deceased patients and returning the body to the family of the   body.   * **Laboratory System** receives order from the patient (through staff) and delivers it to suitable specialist, who then performs test and analyze results. The results will then be sent the patient which he can view through his portal. * **Blood bank system** deals with the management and distribution of blood of a blood bank. Blood bank is an essential component of a hospital. In severe cases, like in accidents when the patient has lost too much of his/ her blood, blood is needed for the survival of the patient. This system will have features like registering donors, modification of their information, keep history of donors and recipients, and lifesaving contacts. * **Discharge Summary** will be created after a patient has successfully recovered and paying all of his bills. | | |