Project Charter

Title of the Project :	Hospital Management System	
Campus & Batch :	Weekday	Group No: T63
Development Technology :	MERN Stack Technology	
Client :	Mr. Madupa, MEDIHELP HOSPITALS, Athurugiriya Branch	

Description of the Project:

Medihelp Hospitals is renowned as one of the leading healthcare providers in Sri Lanka today and they have experience up to 35 years since 1985. But still they have some problems to solve such as automating their staff management, inventory control management, help and support management, getting feedback from their patient etc. specially according to them they still have call center for handling the patient problems and they want it to work on an automated way.

So, our project work with those problems and also it includes the basic thigs such as registration of a particular patient, storing their details into the system and booking appointments, Transportation facilities, Support Services for users and many more. Our Web application has the ability to give better service for the patients and other stuff members in an overall way. User can search availability of a doctor and the details of a patient using the Application. In our application it can be accessed by an administrator, Patient, Doctor, or the Staff members. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

Details of the Group Members: *(Provide the details of the group leader in the first row)*

	Name with Initials	Registration Number	Contact Phone Number	Email
1.	Gunatilleke M. B. D. S	IT21321436	0705883826	it21321436@my.sliit.lk
2.	Senarathne S	IT21201882	0773566134	it21201882@my.sliit.lk
3.	Madhubash D.G.R.N.P	IT21339806	0741089056	it21339806@my.sliit.lk
4.	Perera M.A.V.D	IT21322662	0764973240	it21322662@my.sliit.lk
5.	Fernando W.S.S	IT21336218	0710978668	it21336218@my.sliit.lk
6.	Sembakutti.S.C	IT21334238	0760710380	it21334238@my.sliit.lk
7.	Fernando W. W. S. A	IT21314360	0767978321	it21314360@my.sliit.lk
8.	Kattadige S. B. P	T21328084	0717520287	it21328084@my.sliit.lk

List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Gunatilleke M. B. D. S	**Patient Management -:** This function can control patient flow. Once patient's registration approved by the system, system will inform it to the patient and after that patient can schedule an appointment, change their profile, check available doctors and rooms, etc. System admin can approve patient and make changes to their profile as well.
2.	Senarathne S	**Help & Support Management -:** The contact us function specializes in dealing with a variety of difficulties, requests, and problems. It guarantees that the activities are properly maintained and that the data is accurate and reported correctly.
3.	Madhubash D.G.R.N.P	**Doctor Management -:** The doctor accepts the appointment of the patient Doctor can view the patient appointment list and provide the confirmation or make changes in the appointment list if required. And Doctor can confirm an appointment, cancel an appointment, modify and update appointment list, etc.
4.	Perera M.A.V.D	**Staff/Employee Management -:** Manage data on staff such as adding new staff, updating staff details, deleting staff. Here first the staff members/ employees must create a registration/sign page to register into this site. Then we must create a login form to login to the site by entering the email and password. The email and password must be validated. Not only that staff members/ employees can update the relevant staff members/ employees account details, and if the staff member/ employee wants to deactivate the account, he can delete all the account details. And the relevant employee can add the patients details into the site. Not only that the relevant employee can delete the patients details he added. He can search the patients details he added into this site and the own details also. Finally, the staff member/ employee can view the report of all the patients' details added to produce useful information and all the staff member/ employee details report also.
5.	Fernando W.S.S	**Account/Payment Management -:** Accounting module organizes the financial affairs of both customers and the medical institution. It stores and presents all the patient payment details, hospital financial records on expenses and overall profit.

6.	Sembakutti.S.C	**Inventory & Pharmacy Management -:** Inventory and pharmacy management system manages all pharmaceutical items. Admin, doctors and pharmacist can login to the system. This function is utilized to INSERT medicines to the inventory while maintaining a sufficient stock of products to meet the needs of prescribers and customers. SEARCH prescriptions, types, companies etc. and keep track of data. UPDATE inventory with new product and adjust quantities of the drugs according to the current demand and customer interest shifts. DELETE expired drugs and remove companies that supply ineffective drugs to ensure safety of the customer.
7.	Fernando W. W. S. A	**Laboratory And Tests (Report) Management** -: Lab management module shows the test results of the particular patient. The lab data can be viewed by the staff and generated for the patients' reports. It is usually integrated with other hospital information system modules for the better overall functionality of the system.
8.	Kattadige S. B. P	**Transport Management -:** Transport function in a hospital refers to the movement of patients within the hospital facility. This can include transporting patients from one department to another, such as from the emergency room to a diagnostic imaging department, or from the intensive care unit to a regular patient room. Transport can also refer to the movement of patients between hospitals, such as transferring a patient from a smaller hospital to a larger one for specialized care. The transport function is typically carried out by hospital staff such as nurses, orderlies, and transport aides, who are responsible for ensuring the safe and efficient movement of patients. Additionally, some hospitals may also use special equipment such as wheelchairs, stretchers, and ambulances to assist with patient transport.