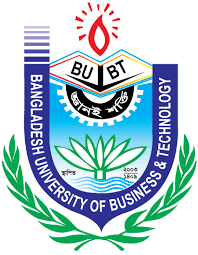
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Bangaldesh University Of Business And Technology

Project Name **:** Hospital Management System with structure programming language (C).

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**Abstract :**

Our main focus is design a unique Hospital Management System that will improve hospital experience for both patients and the hospital authorities. The system is written with C programming language.The first chapter of the report describe the introduction, the problem statement, the motivation and the objective of the project, the object of the project is the Hospital Management System overview. The chapter two of the Project report, it provides an insight about the overall activities of Hospital Management System. Finally, in the three chapter of this report sample code of the project, screen short of the project, limitation & future work and reference are provided.

**Acknowledgement :**

We thanks Mr. Saifur Rhaman Sir (Asst. Professor) who have been the great inspiration and who have provided sufficient background knowledge and understanding of this project.

We offer our sincere thanks to our respected faculty members Mrs. Humayra Ahmed (Lecturer), who tought us structure programming language (c).

We feel privileged to extend our deep sense of gratitude to our parents for their support and encouragement.

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* 1. **Purpose:**

• The Software is for the automation of Hospital Management.

• It maintains two levels of users:-

* Administrator Level
* User Level

• The Software includes:-

* Maintaining Patient details.
* Providing Prescription.
* Billing and Report generation.
  1. **Scope**

It can be used in any Hospital, Clinic, Dispensary or Pathology labs for maintaining patient details and their test results.

* 1. **Motivation**

Our respected course instructor Assistant professor Md. Saifur Rahman, Department of CSE, Bangladesh University of Business & Technology (BUBT). He first motivates us to create any type of management project. Then we discuss with our team member and decide to develop a Hospital Management System.

* 1. **Objective of project**
* Design a system for better patient care.
* Reduce hospital operating costs.
* Better co-ordination among the different departments.
* Provide top management a single point of control. Page||02

**2.1) Algorithm Process Model:**

Step 1: Start

Step 2: Create **void login()** to display login system and **void setpass()** to set a password For frist time.

Step 3: Created **void menu1()** to display Menu Category.

Step 4: In Menu Category there are 4 Option to Select.

Step 5: User’s Area will Call **void menu2()** , Administrator Area will call **void menu3()** ,

Change Password will call **void chp()** to change password and **Exit** will Shut down the

Application.

Step 6: In **void menu2()** There are few category for Patient for their Information.

* **Void book\_seat()** added to process register a patient for future treatement.
* **void patient\_register ()** is stand for information of a patient who is previously registered
* **void patient\_cost()** to add all the expenditure are used for patient in his/her treatment purpose.
* To view the individual patient details there is a search option, the function void **patient\_details()** prosses the searching option to view details. Page||03

Step 7: In **void menu3()** there is Admin Pannel.

-void doctor() to see doctor list in hospital.

-void add\_doctor() to add new doctor name in doctor list.

-void medicine() to see medicine list.

-added **total earn , statistic** , **profit** function binding with switch case in **void choose3()** to implement menu.

Step 8: Few prompt function **void prompt\_patient(),void prompt\_book(),void**

**prompt\_details(),void prompt\_c(),void main\_menu(),void prompt\_doctor()**

added to process notification to go previous page or finalizing the function process.

Step 9: The final function **Exit** will show down all the process.

Step 10: End.

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