***Hospital Management System (HMS)***

***Project***

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***Semester :- 5th***

***Parul Institute of Technology (PIT)***

***Academic year :- 2022-2023***

***Parameters :-***

1. ***Context***
2. ***Information***
3. ***Objectives***
4. ***Function***
5. ***Performance***
6. ***Problem Decomposition***

***Context :-***

* ***The purpose of the project entitled as “HOSPITAL MANAGEMNET SYSTEM” is to computarise the front office management of hospital to develop software which is user friendly, simple, fast and cost efficient. The hospital management system can be enterd using a username and password. The data are well protected for personal use and makes the data processing very fast.***

***.Information :-***

* **The project Hospital Management system includes registration of patients, storing their details into the system, and also computerized billing in the pharmacy, and labs. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id.**
* **The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. 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.**
* **Hospital Management System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals.**
* **Hospital Management System is designed for multispeciality hospitals, to cover a wide range of hospital administration and management processes. It is an integrated end-to-end Hospital Management System that provides relevant information across the hospital to support effective decision making for patient care, hospital administration and critical financial accounting, in a seamless flow.**
* **Hospital Management System is a software product suite designed to improve the quality and management of hospital management in the areas of clinical process analysis and activity-based costing. Hospital Management System enables you to develop your organization and improve its effectiveness and quality of work. Managing the key processes efficiently is critical to the success of the hospital helps you manage your processes.**

**Objectives:-**

**The objective of this project work is to design an efficient web-based system for the advancement of medical research and analysis, which will make it easy to follow up**

**A patient's medical record from any workstation in the hospital. This will thus replace the method of one point of entry and retrieval that exist in non-web-based systems. The work will also help in speeding up the processing, storing and retrieval of information, which will greatly assist medical personnel in the performing their duties. It will also help to improve decision making by reducing processing time as well as reducing the communication gap between the doctor and other staff still involved in the patient medical care. It will also help to reduce human errors to the barest minimum and improving confidentiality of file.**

**Function :-**

* **Early diagnosis,curative,preventive & rehabilitative care on ambulatory Basis.**
* **Screening for admission to hospital.**
* **Follow up care and &care after discharge. Promotion of health by health education program.**
* **Provide a major source of specialist medical opinion. Rendering of preventive health care Polio Vaccine.**

***Performance :-***

* ***The HMS use to flexibility to the hospital staff.***
* ***They can easily use the system once they aware about the computer.***
* ***This Hospital management system perform like hardcopy records into softcopy record.***

***Problem Decomposition :-***

***The healthcare industry faces many problems. Implementation of HMS still fails in some hospitals due to the barriers.***

***Human Problem :-***

* ***While considering the human factors, they include Awareness of HMS advantages & importance.***
* ***In general, Experience, and knowledge of using computer applications.***
* ***Impressions and Beliefs regarding HMS and making use of them efficiently.***

***Technical problem :-***

* ***Other few technical challenges that fail the implementation of HMS in the healthcare industry includes Networks and computer have different maintenance problems, lack of no standards for Data entry and data retrieval, difficulties in training users technically to use HMS.***