A Project/Dissertation Review-1 Report

On

Patient management system using blockchain

Submitted in partial fulfillment of the requirement for the award of the degree of

B.Tech(CSE)

GALGOTIAS UNIVERSITY

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Abstract

In the data technology revolution, electronic medical records are a standard way to store patients' information in hospitals. Although some hospital systems using server-based patient detail management systems, they need a large amount of storage to store all the patients' medical reports, therefore affecting the scalability. At the same time, they are facing several difficulties, such as interoperability concerns, security and privacy issues, cyber-attacks to the centralized storage and maintaining adhering to medical policies. Proposed Flexi Medi is a private blockchain based patient detail management system which is expected to address the above problems. Solution proposes a distributed secure ledger to permits efficient system access and systems retrieval, which is secure and immutable. The improved consensus mechanism achieves the consensus of the data without large energy utilization and network congestion. Moreover, Flexi Medi achieves high data security principles based on a combination of hybrid access control mechanism, public key cryptography, and a secure live health condition monitoring mechanism. The proposed solution results in successfully deployed smart contracts according to the roles of the system, real time patient health monitoring with a more scalable and access controlled system. The overall objective of this solution is to bring the entire medical industry into a common platform using a decentralized approach to store, share medical details while eliminating the need to maintain printed medical records.

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CHAPTER-1

Introduction

The patient appointment management system has been developed to override problems prevailing in the practicing manual system this software is supported to eliminate and in some cases reduce the hardships faced by these existing systems . Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

the application is reduced as much as possible to avoid errors while entering the data it also provides error message while entering invalid data.no formal knowledge is needed for the user to use in the system. Thus, by this all it proves it is a user friendly doctor appointment system. as described above can lead to error free , secure,reliable and fast management systems.

Features

- Provides the searching facilities based on various factors such as doctors ,patient booking, doctor schedule.
- It deals with monitoring the information and transaction booking.
- Shows the information and description of the doctor.
- Manage the information of the doctor.
- Manage the information of booking

Project Design

HTML ,CSS, JSS
MY SQL
Java
Github

Literature Survey

“A hospital resource and patient management system based on real-time data capture and intelligent decision making”One of the major challenges existing hospital management systems face is around operational efficiency and wait times between different processes, departments and persons. This paper highlights such limitations of existing systems and proposes a RFID(Radio Frequency ID) and wireless sensor based , location and information management framework that facilitates real time tracking of hospital assets, personnel and patients as they move through pre-set procedures as part of daily activities of the hospitals. the system covers the visual simulation and providing ability to analyse the ongoing operations so they can be corrected to achieve increased process efficiency and service levels.Developing Effective Hospital Management Information Systems

Project Design

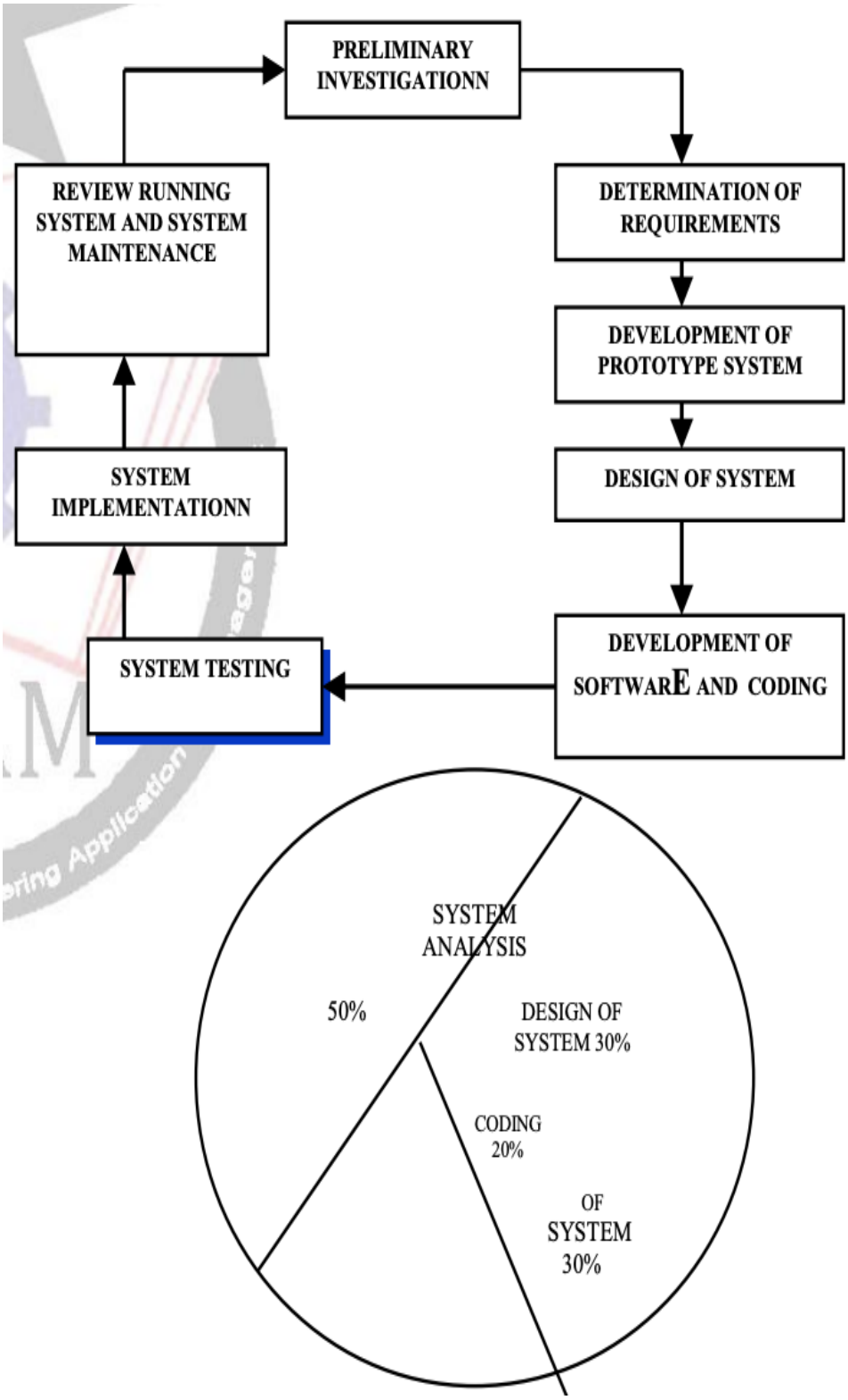

Fig . showing general life cycle process and percentage of time devoted

Project Design