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SYSTEM DOCUMENTATION

Prepared for
General Public

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Executive Summary

This proposal serves as the official document from **Ufanisi ICT Solutions** for deploying a **Hospital Web Info Management System** to your medical facility. We want to render our software development expertise to you and produce a management system that will increase your organization productivity.

Problem Statement

To run a medical facility, you need to have effective and efficient methods to process and save the information. Manual medical records are expensive to maintain in term of amount of physical space and accessibility. The manual medical records associated with loss of productivity and fragmentation. It is easy to be manipulated and pave way for thefts. The system proposed will address the entire problem after intensive research, industry data studies, government reports analysis and business needs. All these factors have been put in consideration to come up with stable multidimensional solution.

Proposed Solution

To address your concerns, **Ufanisi ICT Solutions** will deploy a System that will address all the problems previously mentioned. The system will be implemented with more additional features that will achieve future goals of the company.

The system is a web based, therefore can be accessible anywhere that enhance easy management. Its highly portable, therefore that enhance easy installation and maintenance. It can run in any device which reduces hardware costs. The system is user friendly, very easy to use since they have simplified interfaces.



The system proposed will manage patient admission process. The admitted patients will be processed effectively and timely by system from one section to another with no room for information repetition. The system will store the information of every patient for future reference. The system manages both insured and non-insured patients.

The system will manage departmental programs with smooth departmental connection and single control unit. Staff members can exchange information in real-time. It reduces the delay in departmental work and makes it faster. Automation of these processes leads to efficient and productive management.

The system will manage all accounting functions by enables accountant to records all expenses and incomes. It enables the accounting department to generates invoice of every patient. It enables the accounting department to process payroll and generate pay slips for employees. The system enables the accounting department to select any method of payment i.e., prepaid, postpaid or credit means depend on situation.

The system will manage all inventory functions. All items of the organization are recorded and their status tracked. The system generates assets registry, with detailed information of each category. It adds storage facilities and records all item in stores and those issued out.

The system will manage all medical functions by generating patient ID to every admitted patient. The ID allows the hospital to track all processes of that patient from reception, payment room, doctor room, laboratory, pharmacy etc. In case the patient has been admitted the system tracks ward, bed and medical information. Upon the discharge the system generated invoice for patient to clear the hospital.

The system will manage all records efficiently and effectively. The information is accessed easily and at real time. This improves productivity and right decision making by the management.

The system will manage human resource functions. All employees' information is registered and their information are saved for future reference. The system handles leaves, by creating and generating permits. The system also tracks the departure and reporting date of each employee. The system tracks attendance record of every employee. The system records all discipline status of each employee. It stores all letters issued to the employee.

Reports will be generated under several categories at any time required. They will appear in a clear view with an option for both Microsoft docs and PDF format for easily integration with other data.

By put into consideration the presence of insecurity in internet, our team did a great work of implementing three level of security layers to ensure that the application is secured and remains legitimate to its users.

This system once deployed will address current manual and semi manual systems' challenges as well as will contribute to productivity increase and reduce labor and operation costs.

Features

The proposed system has the followings features;

- ❖ Staff Registration: It registers information of medical and non-medical staff throughout the hospital.
- ❖ Patient Registration: The registers personal and medical information of all insured and non-insured patients.
- ❖ Accounting Management: It manages all accounting functions i.e., expenses, income, payroll etc.
- ❖ Inventory Management: It manages all inventory functions i.e., medical and items stocked and issued out, item condition, stock levels etc.
- ❖ Patient Management: It manages the entire process of both outpatients and inpatients inside the medical facility.
- ❖ Payment Management: It manages both prepaid and postpaid payment methods. It also has an option for credit payment.

- ❖ Report Management: It generates all types of reports. Reports generated are in standard format. The reports can be exported to different versions i.e., PDF, word documents etc.
- ❖ The system can be customized to meet your additional needs.

Benefits

Our company has developed over 30 systems within the last five years. We make sure that each system we develop is equipped with the latest trends, tools, and technologies, of which our employees have trained and have sufficient knowledge thereof.