**INSTITUTE OF PUBLIC ADMINISTRATION AND MANAGEMENT (IPAM)**

**UNIVERSITY OF SIERRA LEONE**

**FACULTY:** INFORMATION SYSTEM/TECHNOLOGY

**COURSE:** B.SC IN INFORMATION SYSTEMS

**MODULE TITLE:** SOFTWARE ENGINEERING II

**TASK**

PROJECT PROPOSAL

TITLE: HOSPITAL MANAGEMENT SYSTEM

GROUP 7

**NAMES OF GROUP MEMBERS AND EMAIL**

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GITHUB URL: <https://github.com/group7y3/Hospital-Management-System>

**NAME OF LECTURE**: Mr. Daniel Chaytor

**THE HOSPITAL MANAGEMENT SYSTEM**

The Rokupa Government Hospital is situated at 103, Bai Bureh Road, Wellington, Freetown. It was painted green and white. It can accommodate about three hundred people (workers and patients).

It is a well-organized institution that brings a great help to the citizens of the nation especially in terms of health.

**THE CURRENT PROBLEMS OF THE HOSPITAL**

Although the Rokupa Government Hospital is a well established institution, it however faces some difficulties. Below are some listed problems that often affect the management of the hospital.

* The Hospital does not have a database that will support its operations. Records are only written in hard copies (books).
* It does not have digitalized systems that will support the workers to the patient in the hospital.
* It does not give preference/opportunity for patients to request for medicines.
* It does not provide a comfortable way for patients to be in their beds and get the attention or request a help from the nurse or a doctor.

**THE PROPOSED AIM OF OUR PROJECT**

* ***Digitalized the system of the Hospital***
* ***A database that will store every record in the hospital.***
* ***Reduction of paper work in the hospital.***
* ***Easy access of patient record and prescription.***

The purpose of this project is to digitalize the system of the hospital by in co-operating a database into the system. A database that will store every patient’s record, nurse or doctor’s record and even the medicines that are available in the hospital.

The new system will be able to update and create new records and it will wipe the old way of storing records. This will however be able to reduce the space complexity of keeping records (hard copies) of the hospital.

The new system will also link a patient directly to his/her doctor. A patient will comfortably lying on his bed and request or alert a nurse or doctor for help. A patient will also be able to request or order for medicine(s) he/she needs.

**WORK PLAN**

The project will be divided into two groups. Team A and B.

Team A will be responsible to create the interface and the programming aspect of the project.

Team B will be working on the database aspect and linking every functionality from the interface to the database.

**MEMBERS OF TEAM A**

. Safoura Kamara

. Osman Idrisbin Koroma

**MEMBERS OF TEAM B**

. Alimamy Conteh

. Paul Farrah Kargbo.

**BENEFITS THE NEW SYSTEM WILL BRING TO THE HOSPITAL**

* It will have an easy way to record patients information.
* It will also have an easy way to detect how many patient are admitted in the hospital.
* It will provide an easy access for a patient to make a direct order for medicines from the hospital’s pharmacy.
* It will also provide a direct link from the patient to the doctor or nurse. This will help the system to know which doctor is responsible to treat a particular patient.
* It will update or create new admitted patients’ records in the system.

**ER DIAGRAM**

|  |  |  |
| --- | --- | --- |
| DOCTORS |  | NURSES |
| DNo(PK)  DName  Add  Depertment  PNO(fk)  NNO(fk) | NNo(pk)  NName  Location  Depertment  HoursWorkFor  PNO(fk) |
| 1:\* work for \*:\* |

1:\*

Have

\*:\*

|  |
| --- |
| PATIENTS |
| PNO(pk)  PName  Address  Fee |

|  |
| --- |
| MEDICINE |
| MNO(pk)  Mname  PNO(fk)  Cost  Dosage |

1:\* 1:1

Order for

CONCLUSION:

After completing this project, The Rokupa Government Hospital will have a digitalized management system that will have a database records for the patient and workers. A patient could easily request a help from either a nurse or doctor and also be able to order for medicine (s) without seeking the consent from anybody with the system.