



**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**COURSE: ELECTRICAL AND ELECTRONICS ENGINEERING**

**TITLE: 3 PROBLEM STATEMENT**

**UNIT: COMPUTER PROGRAMMING II**

**UNIT CODE: SMA 2276**

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## HOSPITAL MANAGEMENT SYSTEM

### PROBLEM STATEMENT

It is very important to maintain efficient software to handle information of a Hospital. This application provides a way to record this information and to access these in a simple way.

### EXISTING SYSTEMS:

The existing systems provide the basic functionalities needed to be handled in a hospital management environment. There is no intelligence of the software in such cases. In the existing Kenyan hospital system all the patient details, doctor availability details and regarding the tests done to the patients prescribed by the doctor is maintained manually by the receptionist. Patient documents are recorded and stored in hard copies then stored in a file. If a patient has to be admitted we need to check the availability of the bed which consumes lots of time if done manually. Also there is no proper search technique to check the patient information. It is a very difficult task to maintain all the finance management system, and the records which maintain doctor details, of the hospital by using this existing system. These are the main disadvantages of the existing systems that are overcome in our proposed model.

### PROPOSED SYSTEM:

In our proposed system, we are going to provide solutions to all the above mentioned problems by automating the whole hospital management system by using an integrated software that handles the whole system. The proposed system provides one integrated view to patients for billing, collection, discharge detail, patient medical history. Easy query handling for instant decision of bed allocation for patients needs i.e emergency, ICU etc and request for the bed transfers effective search facility to search any type of information related to patient history certain actions are automated.