TECHNICAL UNIVERSITY OF KENYA

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

MAMBO INNOCENT – SCCI/00782/2019

PROJECT TITLE

Patient data management information system

Date: Thursday October 27th 2022

PROJECT BACKGROUND

Patient’s data in hospitals is majorly managed manually through the use of hard copy documents. This has led to inefficient collection, bulk storage of historical files, management of the patient’s data and documentation of their treatment histories. This causes a lot of drawbacks as paper files and booklets consume a lot of space, retrieval of patient’s data may be slow.

PROJECT SCOPE

The system will be accessible over the internet through laptop, personal computers and desktops. The project will be based upon Java, using the Spring boot framework.

HIGH LEVEL REQUIREMENTS

This is a web-based system/application and thus anyone with a browser and internet can be able to access it. The system interfaces will only be accessible by the registered users, be it patients or doctors.

MODULES

* Normal User/Patient module – This is the patient, who registers and enters their details onto the PMIS.
* Doctor module – Manages the patient’s data and information on the PMIS.
* Admin module – Ensures the reliability of the PMIS and makes sure the system is maintained and running correctly.

The website will be accessed from a default home page or **login** page which is also a module to the system.

DELIVERABLES

* UI Prototype
* Members responsive web-based application accessible
* Management web-based application, accessible through specific authorized computers.
* User Documentation Manual