**Project name: electronic pharmacy**

**project sponsor: Ministry of Health**

**project manager: hala khalid mohamed**

**Business Case**:

**It is an electronic pharmacy that consists of a group of automated vending machines, where the medicines required by the user are stored and contain a scanner to take input from the user, and the prescription must contain a barcode that the user recognizes.**

**the systemPlenty of space for medicine storage. Contains inventory control to keep track of inventory. Specifies the time required to store the drug, the expiration date and the expiry date of the drug. Sends alerts to refill the pantry when medication runs out. It has a working system for receiving money from the user for dispensed drugs. It also contains a micro-central processing of systems monitoring and a programmer to receive input from the user via a scanner**

**Purpose of the project:**

**\*Saving time and facilitating the process of buying medicines while maintaining health and distance in the presence of the Corona virus**.

BUDGET\*\*

\*The project time:22week.

\*The budget :is about 100,000.

**\*\*Communication Management Plan:eting every week at seeting every week at seven in the evening**

**Meeting every week at seven in the evening**

**Project milestones**

**[1] hardware requirement time : 6week:budget[10.000]**

**A scanner is manufactured that reads the prescription, and has a servo drug**

**dispensing.**

**It has a large space for storing medicines.**

**It also includes an inventory control system to keep track of inventory**

**Contains a central microprocessor Monitors all systems, programmer and**

**receiver for input from the user through the scanner, and operates and controls all components needed to dispense medication requested by the user.**

**[2]design : time : 8week:budget[50.000]**

**The design of the machines will be manufactured**

**from where:**

**-Design of the machine**

**-Design of the user interface**

**-Design of storage space**

**-Design of pill singulation system**

**[3]machine operating system(OS):time 8week:budget[40.000]**

**We will begin to manufacture the system, where the hardware will be combined with the design and write the code to run the system, use the algorithm, and use programmers and developers.**

**Constraints**

**\*This project must be delivered within the specified budget .**

**\*this project must be delivered At the appointed time**

**\*The medicines used are naturally documented and do not have serious harm**

**Assumptions**

**The system is expected to succeed and will be applied to private hospitals as well as pharmacies because it is characterized by speed, reliability and safety. It also facilitates the purchase process for the buyer and saves time as well**