**CHAPTER 2: SYSTEM ANALYSIS**

**2.1. SYSTEM NAME AND BACKGROUND:**

As of now, the medical clinic uses Microsoft Excel as their primary data repository and Microsoft Word to produce forms and reports related to patient monitoring and collection and medical supply inventory. In connection with this, they always have difficulties in executing these processes because the application is inefficient for database purposes and unreliable when it comes to data security.

Our system’s name is Patient Logs and Inventory System. The use of the system is for the monitoring of patients and inventory and its security. It will help the medical clinic to manage the inventory and patient logs on the computer with ease.

**2.2 SYSTEM ANALYSIS TOOLS**

**2.2.1SYSTEM OUTLINE**

1. Receiving of items
   1. Checking Completeness
   2. Encoding information of received items
   3. Tallying of Inventory
2. Distribution of Items to other campuses

**2.1** Tallying of inventory

1. Registration of Patients
   1. Checking them and looking for complaints
   2. Giving of medicine/s to patient/s for treatment
   3. Encoding of Records
2. Generation of Reports
   1. Daily Treatment Record (DTR)
   2. Item Distribution
   3. List of items

**2.2.2 SYSTEM FLOWCHART**

**(Refer to INDEX A at INDEXES)**

**2.2.3 BUSINESS REQUIREMENTS**

|  |  |
| --- | --- |
| Goals | Provides security and ease |
| Type of system | Patient Logs and Inventory System |
| Scope | The study focuses on the inventory storage, patient logs, and organizing records. |
| Critical qualities | The system holds records through the database |
| Target user | PUP medical clinic |
| Reports/Database | * Number of medicines, supplies and equipment * Patient records * Distributed Items |
| Benefits to the users | * It will include a module that will show the available medicines, supplies and equipment * Will provide a module that will save all the patients records accurately and computerized. * Capable of securing data/records of the medical clinic that makes it more reliable |