

**Cruz-Rabe Maternity &**

**General Hospital Pharmaceutical Management System**

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1. **Overview**

Now in our society, technology is the most important advancement, necessity in bringing out progress we move along in this latest technology to impress our client such that to be implemented and give them opportunity to come up with a computer. Some of their branches are

The main goal of the project is to provide a good quality of a system that will help mainly the Pharmacist at the hospital to automate the paper work that will help them to provide a good quality and quick service to each patient.

* 1. **Scope**

The (CRPMS-PMS) Cruz-Rabe Maternity & General Hospital Pharmaceutical Management System will be managed by the head of pharmacy. The main functionality of the system is to automate the easy access of the medicine information e.g. its location and its inventory information. This system is only accessible within the organization.

The objectives of this system are the following:

* To provide an easy to understand interface for the user.
* To provide a fast and reliable transaction between the pharmacist and the patient.
* Easy access of the inventory of the medicine.
* Easy to search of the location of the medicine.
* It can only be accessed within the organization.
* User Friendly graphical user interface.

1. **References**

WIKI SITE: [**http://projects2.apc.edu.ph/wiki/index.php/CSPROJ2\_MI121\_Group\_4:\_Team\_Leader:\_Barbasa%2C\_Mark\_Ervin\_T.\_BSIT-MI121**](http://projects2.apc.edu.ph/wiki/index.php/CSPROJ2_MI121_Group_4:_Team_Leader:_Barbasa%2C_Mark_Ervin_T._BSIT-MI121)

**3 Definition and Acronyms**

**3.1 Definition**

**3.2 Acronyms**

CRPMS-PMS - Cruz-Rabe Maternity & General Hospital Pharmaceutical Management System

**4 Software Quality Assurance Plan**

**4.1 Purpose**

The project aims to create an automated system of the CRPMS. The main purpose of the Project is to meet the all requirements of the Client.

**4.2 Management**

|  |  |  |
| --- | --- | --- |
| **Members Names** | **Task** | **Responsibilities** |
| Kevin Navarro |  |  |
| Flordeliza Calanno |  |  |
| Cristine Ronario |  |  |

**4.3 Documentation**

This section shall perform the following functions:

a) Identify the documentation governing the development, verification and validation, use, and maintenance of

the software.

b) State how the documents are to be checked for adequacy. This shall include the criteria and the identification

of the review or audit by which the adequacy of each document shall be confirmed, with reference to

Section 6 of the SQAP.

**4.4 Standards, practices, conventions, and metrics**

This section shall

a) Identify the standards, practices, conventions, and metrics to be applied;

b) State how compliance with these items is to be monitored and assured.

**4.5.2 Content**

The subjects covered shall include the basic technical, design, and programming activities involved, such as

documentation, variable and module naming, programming, inspection, and testing. As a minimum, the following

information shall be provided:

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a) Documentation standards;

b) Logic structure standards;

c) Coding standards;

d) Commentary standards;

e) Testing standards and practices;

f) Selected software quality assurance product and process metrics such as

1) Branch metric;

2) Decision point metric;

3) Domain metric;

4) Error message metric;

5) Requirements demonstration metric.

**4.5 Reviews and audits**

**Purpose**

This section shall

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a) DeÞne the technical and managerial reviews and audits to be conducted;

b) State how the reviews and audits are to be accomplished;

c) State what further actions are required and how they are to be implemented and veriÞed.

**4.5.1 Minimum requirements**

**Of the system ..**

**4.6 Test**

This section shall

a) Describe the practices and procedures to be followed for reporting, tracking, and resolving problems

identiÞed in both software items and the software development and maintenance process;

b) State the speciÞc organizational responsibilities concerned with their implementation

c)

**4.7 Problem reporting and corrective action**

This section shall

a) Describe the practices and procedures to be followed for reporting, tracking, and resolving problems

identiÞed in both software items and the software development and maintenance process;

b) State the speciÞc organizational responsibilities concerned with their implementation.

**4.8 Tools, techniques, and methodologies**

This section shall identify the special software tools, techniques, and methodologies that support SQA, state their

purposes, and describe their use.

**4.9 Code control**

This section shall deÞne the methods and facilities used to maintain, store, secure, and document controlled versions

of the identiÞed software during all phases of the software life cycle. This may be implemented in conjunction with a

computer program library. This may be provided as a part of the SCMP. If so, an appropriate reference shall be made

thereto.

**4.10 Media control**

This section shall state the methods and facilities to be used to

a) Identify the media for each computer product and the documentation required to store the media, including

the copy and restore process; and

b) Protect computer program physical media from unauthorized access or inadvertent damage or degradation

during all phases of the software life cycle.

**4.11 Supplier control**

This section shall state the provisions for assuring that software provided by suppliers meets established requirements.

In addition, this section shall state the methods that will be used to assure that the software supplier receives adequate

and complete requirements. For previously developed software, this section shall state the methods to be used to assure

the suitability of the product for use with the software items covered by the SQAP. For software that is to be developed,

the supplier shall be required to prepare and implement an SQAP in accordance with this standard. This section shall

also state the methods to be employed to assure that the developers comply with the requirements of this standard.

**4.12 Records collection, maintenance, and retention**

This section shall identify the SQA documentation to be retained; shall state the methods and facilities to be used to

assemble, safeguard, and maintain this documentation; and shall designate the retention period.

**4.14 Risk management**

This section shall specify the methods and procedures employed to identify, assess, monitor, and control areas of risk

arising during the portion of the software life cycle covered by the SQAP.