



**Kalafong Provincial  
Tertiary Hospital**

# **Gynaecological Patient Information management System:**

## **Master Documentation**

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**Final Version**

July 29, 2015

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# 1 Introduction

This document contains detailed specifications of the Gynaecological Patient Information Management System documentation.

It describes and defines major use cases identified as given by the client's original project specification. As well as a clear overview of the system represented as a domain model. Functional and non-functional requirements as well as Architectural specifications and designs are all covered.

The following topics are addressed with supporting diagrams for each case:

- Project Scope.
- Application requirements
- Application design.



## **2 Vision and scope**

### **2.1 Project background**

### **2.2 Project vision**

### **2.3 Project background**

## **3 Application requirements and design**

### **3.1 Modular System**

## **4 Architectural requirementsn**

### **4.1 Access and integration requirements**

#### **4.1.1 Human access channels**

#### **4.1.2 System access channels**

#### **4.1.3 Integration channels**

### **4.2 Quality requirements**

#### **4.2.1 Maintainability**

#### **4.2.2 Scalability**

#### **4.2.3 Reliability and Availability**

#### **4.2.4 Performance requirements**

#### **4.2.5 Security**

#### **4.2.6 Auditability**

#### **4.2.7 Testability**

#### **4.2.8 Usability**

#### **4.2.9 Integrability**

#### **4.2.10 Deployability**

### **4.3 Architectural responsibilities**

### **4.4 Architecture constraints**

## **5 Architecture design**

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### **5.1 Overview**

### **5.2 Modularization**

### **5.3 Architectural tactics addressing quality requirements**