

Abstract

The public health sector of Trinidad and Tobago is plagued with inefficiencies that encumber their daily operations, thus limiting their effectiveness in delivering services. Unfortunately, this adversely affects the quality of life the population of Trinidad and Tobago enjoys, because individuals who cannot afford private health care have to endure long wait times at public health facilities for their desired health care services.

The use of Computer Based Information Systems can remedy some of these problems. These systems would provide health care workers, administrative personnel and strategic management with the information required to make critical decisions.

This project examines the Santa Cruz Health Centre and utilizes a structured software engineering approach to design a prototype computer based information system that would capture, store and manage the medical information of all patients of the health centre. The analysis, design and development of this system are detailed in this report. It explains how the requirements were gathered, justifies the system architecture, details the implementation process and provides guideline training plans.