Abstract

Bineka Medika Medical Centre (BMMC) is a public medical centre that tries to improve its business process caused by the business’ growth in order to survive in health area.

The objectives of this thesis are to analyze the current system that is implemented by BMMC, find the problems in this current system, then design the new proposed system as a solution to face these problems and finally make a prototype of the proposed system.

Method that will be used to analyze the current system in BMMC is by conducting interview. By doing this method, the BMMC’s business process will be explained in context diagram, data flow diagram, and flowchart. Then, for the new proposed system, it will be explained by using proposed context diagram, data flow diagram, flow chart, use case, and ERD. In the end, the new proposed system will be developed by using a Rapid Prototyping Application.

The result of this proposed system is to improve BMMC’s daily business process and to solve problems that are faced in the current system.

In conclusion, the BMMC’s proposed web based system is developed to increase business process efficiency and effectiveness and to solve the current problems.

Keywords:
Medical Centre, Bineka Medika Medical Centre, Information systems, Web Based System
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