

Computing for Human Services

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Electrical and Computer Engineering-IIUM University

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Chapter 13

Framework for Comprehensive Hajj Model with ICT

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13.1. Introduction

This chapter is an integrated part of the previous chapter. In the previous chapter we present a fundamental for Hajj and its importance for Muslims, showing Hajj activities and difficulties. Other section introduces information and communication technology, its capabilities and importance. Then we analyze the current situation of Hajj, the difficulties and the role of ICT in overcoming it.

This chapter proposes suitable solution to solve Hajj difficulties using the powerful capabilities of information and communication technologies (ICT).

It proposes an Integrated Hajj model-IHM, which includes: Hajj database Module, Hajj Educational module, and Hajj emergency and guidance module. IHM offers religious, education, scientific, social, economical, political and other benefits for Muslims beside that it can be consider as a step toward Muslim unity and offering a unified understanding and cooperation between Muslims.

13.2. Comprehensive Hajj Model (CHM)

Information and communication technology has powerful facilities and capabilities, which are suitable to solve the current weaknesses and difficulties in Hajj activities. This research paper proposes a comprehensive / integrated Hajj system based on ICT as a solution for the current Hajj difficulties. The proposed solution includes integrating three parts as shown in figure (1): comprehensive database for Hajj, educational or e-learning system for Hajj, and portable emergency and guidance system for Hajj. This comprehensive / integrated Hajj system will serve different stakeholders such as pilgrims, agents, guiders, medical staff, emergency staff, security staff, immigration, police, hajj organizations, etc as shown in figure (2).