Computing for Human Services

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# Book Contents

<table>
<thead>
<tr>
<th>Chapter No</th>
<th>Chapter Title, Author(s)</th>
<th>Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Book Contents</td>
<td>v</td>
</tr>
<tr>
<td></td>
<td>Preface</td>
<td>ix</td>
</tr>
</tbody>
</table>

## Part I
**Computing to Serve Educational Aspects**

**Chapter 1**
**Status of Higher Education in Developing and Islamic World,**  
*Shihab A. Hameed*

**Chapter 2**
**Planning the Future of Higher Education in Developing and Islamic World,**  
*Shihab A. Hameed*

**Chapter 3**
**Internet Impact on Education,**  
*Shihab A. Hameed*

**Chapter 4**
**Eliminating Internet Weakness in Education,**  
*Shihab A. Hameed*

**Chapter 5**
**Computing Role in Educating Deaf Children,**  
*Haikawai Mohamad Nasir, Othman Omran Khalifa, Shihab A. Hameed*

**Chapter 6**
**Management of Research and Development in Educational Organizations,**  
*Rashid A. Saeed, Othman O. Khalifa, Aisha Hassan, Shihab A. Hameed*

**Chapter 7**
**Computer Implementable Quick Fourier Transform (QFT) for Engineering Educators**  
*Abduljattah A. Aboaba, Shihab A. Hameed, Othman O. Khalifa, Aisha H. Abdalla, Ado Don-Isa, Juhril D. Jiya, James Katende, Abduljattah B. Mustapha, & Abdullahi L. Amoo*

**Chapter 8**
**Virtual-Learning Content Management System Using Problem-Based Learning (PBL),**  
*Norul Ashikin Bt Abu Kasim, Teddy Surya Gunawan*

**Chapter 9**
**Development of Final Year Project Portal for Engineering Program,**  
*Teddy Surya Gunawan, Abdul Mathalib, Mira Kartiwi*
Part II
Computing to Serve Ethical, Social, and Environmental Aspects

Chapter 10  Software Engineering and Ethical Values,  
Shihab A. Hameed  
83

Chapter 11  New Model for Software Engineering Ethical Principles  
Shihab A. Hameed  
91

Chapter 12  Hajj and Information Technologies: Analytical Study,  
Shihab A. Hameed  
101

Chapter 13  Framework for Comprehensive Hajj Model with ICT,  
Shihab A. Hameed  
109

Chapter 14  RFID for Hajj Identification Guide Information and Personnel Announcement,  
Dziul Izaz Bin Julaihi, Ahmad F. Abdul Rahman, Othman O. Khalifa  
121

Chapter 15  Development of Online Application for Muslim Traveler with UML Diagram,  
Teddy Surya Gunawan, Afif Abul Faitah Che Omar, Shihab A. Hameed, Mira Kartivri  
133

Chapter 16  Computers and Electronic Devices Waste: Fundamental Facts  
Shihab A. Hameed  
139

Chapter 17  Computers and Electronic Devices Waste: Analysis and Solution,  
Shihab A. Hameed  
149

Chapter 18  ICT and Environmental Problem,  
Shihab A. Hameed  
157

Chapter 19  Strategy for Green ICT: An Islamic View,  
Shihab A. Hameed  
165

Part III
Computing to Serve Healthcare and Medical Aspects

Chapter 20  Fundamental to Medical Data Centre,  
Shihab A. Hameed, Waheed A. Badurik  
175

Chapter 21  Network Based Telemedicine for Fetal ECG Monitoring,  
M. I. Ibrahimy, S. M. A. Motakabber  
185

Chapter 22  Electronic Patient Medical Record to facilitate Patient Monitoring,  
Shihab A. Hameed, Shazana Mustafa, Aina Mardhiyah, Vladimer Mioso, Aisha Hassun  
195
Chapter 23 Developing EPMR to Serve Effective Patient Monitoring Database, 203
Shihab A. Hameed, Shazana Mustafa, Aina Mardhiyah, Vladimer Mho

Chapter 24 Interactive Web-Based Model for Medical Emergency, 209
Shihab A. Hameed, Shahina Shabnam, Nur hafizah Chek Nuh, Nur Huda Bt Salim

Chapter 25 Mobile Web Model to Serve Healthcare, 221
Shihab A. Hameed, Vladmir Mhoo

Chapter 26 SMS to Facilitate Healthcare and Emergency, 229
Shihab A. Hameed, Shahina Shabnam Bt Mohd Sharifudeen, Nur hafizah Chek Nuh, Nur Huda Bt Salim, Aisha Hassan, Othman Khalifa

Part IV
Computing to Serve Security and Privacy Aspects

Chapter 27 Wireless Technology to Secure Emergency and Guidance, 237
Shihab A. Hameed, B. A. Aliyu

Chapter 28 Authentication Enhancement for Medical Data Centers, 245
Shihab A. Hameed, Waleed A. Badurik

Chapter 29 Integrated Authentication Model: Face Verification, 255
Shihab A. Hameed, Waleed A. Badurik

Chapter 30 Confidentiality to Service Medical Emergency Model, 261
Shihab A. Hameed, Habib Yuchoh, Waji F. Al-Khaeeeb

Chapter 31 Fundamental to Password based security 269
Shihab A. Hameed, Ahmed Fathi Zainazlan, Herman Sazwan nor rahim

Chapter 32 Graphical Password Security Model, 277
Shihab A. Hameed, Ahmed Fathi Zainazlan, Herman Sazwan nor rahim

Chapter 33 Automobile Monitoring and Tracking, 287
Shihab A. Hameed, Othman Khalifa, Aisha Hassan
Part V
Computing to Serve Industrial and other Aspects

Chapter 34  Speech to Text to Sign Language,  
Khalid Khalil Kamal, Othman O. Khalifa  
297

Chapter 35  Speech to Sign Language Interpreter System (SSLIS),  
Khalid Khalil El-Darymli, Othman O. Khalifa and Hassan Ennosah  
313

Chapter 36  Speech Codec for a Voice over IP (VoIP) Systems,  
Othman O. Khalifa, Shihab A. Hameed  
323

Chapter 37  Reconfigurable Platform in Embedded System,  
Amelia Wong Azman  
329

Chapter 38  Smart Grid Communication Layer,  
Norulhuda Lokeman, Norizan Mohd Hassan, Sigit PW Jarot  
337
Chapter 15

Development of Online Application for Muslim Traveler with UML Diagram

Teddy Surya Gunawan\textsuperscript{1}, Afif Abul Fattah Che Omar\textsuperscript{1}, Shihab A. Hameed\textsuperscript{1}, Mira Kartiwi\textsuperscript{2}

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15.1. Introduction

In this new era where truth and wrong is often mixed up too often, being a good Muslim is a challenge especially in foreign countries where a Muslim is not familiar with. If a Muslim is to travel and visit other parts of the world, problems may arise in terms of performing worship and also to eat and drink according to the Islamic sharia. several essential Islamic concepts are concerned including tawhid (unity), khilafah (trusteeship), ibadah (worship), ilm (knowledge), halal (praiseworthy), haram (blameworthy), adl (social justice), zulm (tyranny), istislah (public interest), and dhiya (waste) [1]. In order to counter and solve this issue, a Muslim Traveler model is developed. It is an online database equipped with interactive graphical user interface (GUI) application that allows Muslim all around the world to not only interact and discover halal hubs, but it is also a map guide for places to perform prayer and sharing experiences as a Muslim.

15.2. Design And Implementation

a) Structure

Muslim Traveler website is developed based on the backend structure of the Wordpress Content Management System (CMS) and customized with further PHP formatting and additional elements to ensure its functionality meets its required objectives. Wordpress has its pros and cons. Among the pros are they have an active developer community, a wide range of reference materials, and a large base of people you can turn to for help. Moreover, Wordpress has proven able to handle big internet traffics. This is because big blogs such as TechCrunch, ICanHasCheezburger.com, and The New York Times' are all powered by Wordpress [2]. The