INFORMATION TECHNOLOGY ISSUES
AND APPLICATIONS IN MALAYSIA
A COLLECTION OF ARTICLES

Chief Editor:
Assoc. Prof. Dr. Husnayati Hussin

Editors:
Professor Dr. Abu Osman Md Tap
Professor Dr. Mohd Adam Suhaimi
Assistant Professor Dr Mira Kartiwi

IIUM Press
# CONTENTS

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preface</td>
<td>viii</td>
</tr>
<tr>
<td>Acknowledgments</td>
<td>xi</td>
</tr>
<tr>
<td>E-Government Strategies and Implementation</td>
<td></td>
</tr>
<tr>
<td>Understanding fit between technology, organization and people (F-TOP) factors in e-government: the case of judicial information systems</td>
<td></td>
</tr>
<tr>
<td>Muhd Rosydi bin Muhammad</td>
<td>1</td>
</tr>
<tr>
<td>Interaction Design of the Malaysian e-Government Portal</td>
<td>23</td>
</tr>
<tr>
<td>Murni Mahmud</td>
<td></td>
</tr>
<tr>
<td>An Empirical Study on Strategic Information Systems Planning Practices on Malaysian Government Agencies</td>
<td></td>
</tr>
<tr>
<td>Mohd Adam Suhaimi, Husnayati Hussain and Fazidah Abu Bakar</td>
<td>49</td>
</tr>
<tr>
<td>ICT Application, Issues &amp; Challenges in Malaysia Higher Education Institutions</td>
<td></td>
</tr>
<tr>
<td>Enterprise Security Policy: Challenges and Issues for Malaysian Universities</td>
<td></td>
</tr>
<tr>
<td>Jamaludin Ibrahim</td>
<td>77</td>
</tr>
<tr>
<td>Supporting Student Participation and Interactivity in the Classroom Using Mobile Phones</td>
<td></td>
</tr>
<tr>
<td>Media A. Ayu</td>
<td>93</td>
</tr>
</tbody>
</table>
Learning by Doing: Potential Use of E-Commerce in Entrepreneurship Education in Higher Education Institutions
*Mira Kartiwii*

Information Technology Outsourcing Practices

IT Outsourcing Practices among Malaysia SMEs: Some Empirical Evidence
*Husnayati Hussin and Nurulnuha Abd Molok*

Applying Multiple Case Studies Research to Investigate IT Development Outsourcing Project Risks
*Lili Marziana Abdullah*

Collaborative Information System & Quality Assurance

The dimension of Collaboration: Communities, well-being and Information Systems
*Abdul Rahman bin Ahmad Dahlan*

Improving the Quality of User Experience by Deploying an open access network framework in a fiber-to-the-home environment in Malaysia
*Zahid Ismail*

The potential of Fuzzy Evaluation Approach in Information Systems
*Abu Osman Md Tap*
ICT and Islamic Values

Foundations of Islamic Values for ICT Development
Aznan Zuhid bin Saidin

Justification of Voice Recognition System: Case Study of the Quran
Akram M. Zeki, Jalel Chebil, Abd Wahab Ishari and Ahmed M. Zeki
Foundations of Islamic Values for ICT Development

Aznan Zuhid Saidin & Amran Muhammad
Department of Information Systems
Kulliyyah of Information and Communication Technology
International Islamic University Malaysia
aznan@iium.edu.my

Abstract

Fundamental aspects of Islam are presented as the basis for relating Islamic values and ethics with ICT practices. The aspects include Tawhīd (belief), Sharī‘ah (rules) and its Maqāṣīds (purposes), as well as Niyyah (intention). From here, human activities concerning ICT development are looked into. These activities in general concern the creation of information content, communicating information and developing the related technologies. With regards to information content creation, guidance can be found in the concept of āyāt (signs) as mentioned in the Holy Quran. The process of communication, accordingly, strives to realise the aims and values of communication in Islam. Likewise, the technologies developed are shaped based on Islamic fundamentals.