Introduction of Computer Systems and Applications

Asadullah Shah

Imad Fakhri Taha Alshaikhli





IIUM PRESS

INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

INTRODUCTION OF COMPUTER SYSTEMS AND APPLICATIONS

Editors

Asadullah Shah

Imad Fakhri Taha Alshaikhli



Published by: IIUM Press International Islamic University Malaysia

First Edition, 2011 ©HUM Press, HUM

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without any prior written permission of the publisher.

Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Bibliography p. Includes Index ISBN

ISBN: 978-967-418-085-0

Member of Majlis Penerbitan Ilmiah Malaysia – MAPIM (Malaysian Scholarly Publishing Council)

Printed by:

HUM PRINTING SDN. BHD.

No. 1, Jalan Industri Batu Caves 1/3 Taman Perindustrian Batu Caves Batu Caves Centre Point 68100 Batu Caves Selangor Darul Ehsan

CONTENTS

DEDICATION	
PREFACE	
ACKNOWLEDGEMENT	
1. INTERNAL STRUCTURE OF COMPUTER SYSTEMS	
Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli	
2. INTERFACES AND PROTOCOLS	
Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli	
3. FIRMWARE PROGRAM	
Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli	
4. GRAPHICAL USER INTERFACES	
Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli	
5. SHORT CUT AND HARD DRIVE	
Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli	
6. WINDOWS EXPLORER	
Asadullah Shah, Muniba Shaikh and Imad Fakhri Taha Alshaikhli	
7. FOLDER AND DIRECTORY	
Asadullah Shah, Muniba Shaikh and Imad Fakhri Taha Alshaikhli	

8. FOLDER OPERATIONS	
Asadullah Shah, Muniba Shaikh and Imad Fakhri Taha Alshaikhli	55
9. CONTROL PANEL AND SCREEN SAVERS	
Asadullah Shah, Muniba Shaikh and Imad Fakhri Taha Alshaikhli	65
10. HARDWARE CONFIGURATION	
Asadullah Shah, Muniba Shaikh and Imad Fakhri Taha Alshaikhli	73
11. BASIC OPERATING SYSTEM SETTING	
Asadullah Shah, Asadullah Shaikh and Imad Fakhri Taha Alshaikhli	81
12. WINDOWS INSTALLATION	
Asadullah Shah, Asadullah Shaikh and Imad Fakhri Taha Alshaikhli	87
13. NETWORK SECURITY SETTING	
Asadullah Shah, Asadullah Shaikh and Imad Fakhri Taha Alshaikhli	99
14. TASK SCHEDULING	
Asadullah Shah, Asadullah Shaikh and Imad Fakhri Taha Alshaikhli	107
15. BASIC STORAGE MANAGEMENT	
Asadullah Shah, Asadullah Shaikh and Imad Fakhri Taha Alshaikhli	113
16. LOGICAL DRIVE	
Asadullah Shah, Kamran Khowaja and Imad Fakhri Taha Alshaikhli	119
17. STORAGE MANAGEMENT	
Asadullah Shah, Kamran Khowaja and Imad Fakhri Taha Alshaikhli	127

18. BASIC DISK MANAGEMENT	
Asadullah Shah, Kamran Khowaja and Imad Fakhri Taha Alshaikhli	135
19. DISK MANAGEMENT	
Asadullah Shah, Kamran Khowaja and Imad Fakhri Taha Alshaikhli	141
20. CASCADE STYLE SHEETS	
Asadullah Shah, Kamran Khowaja and Imad Fakhri Taha Alshaikhli	147
21. IMAGE EDITING	
Asadullah Shah, Zoya Shah and Imad Fakhri Taha Alshaikhli	157
22. IMAGE EFFECTS	
Asadullah Shah, Zoya Shah and Imad Fakhri Taha Alshaikhli	165
23. IMAGE TOOL FUNCTION	
Asadullah Shah, Zoya Shah and Imad Fakhri Taha Alshaikhli	173
24. IMAGE CLONE 1	
Asadullah Shah, Zoya Shah and Imad Fakhri Taha Alshaikhli	181
25. IMAGE CLONE 2	
Asadullah Shah, Zoya Shah and Imad Fakhri Taha Alshaikhli	193
26. IMAGE AND SPECIAL EFFECTS	
Asadullah Shah, Faisal Shah and Imad Fakhri Taha Alshaikhli	199
27. BASIC TEXT EFFECTS	
Asadullah Shah, Faisal Shah and Imad Fakhri Taha Alshaikhli	205

28. TEXT ANIMATION Asadullah Shah, Faisal Shah and Imad Fakhri Taha Alshaikhli	213
29. TEXT EFFECTS	
Asadullah Shah, Faisal Shah and Imad Fakhri Taha Alshaikhli	221
30. IMAGE FILTERING	
Asadullah Shah, Faisal Shah and Imad Fakhri Taha Alshaikhli	227
31. IMAGE QUALITY IMPROVEMENT	
Asadullah Shah, Faisal Shah and Imad Fakhri Taha Alshaikhli	233

10. HARDWARE CONFIGURATION

Asadullah Shah, Muniba Shaikh and Imad Fakhri Taha Alshaikhli Department of Computer Science, Faculty of Information and Communication Technology, International Islamic University Malaysia, Malaysia

Abstract

Hardware is a set of subsystem those are devices that can physically touch such as hard disk, motherboard, printer, monitor, and so on. Configuration can refer to either hardware or software, or the combination of both. Many software products require that the computer have a certain minimum configuration. For example, the software might require a particular microprocessor, and minimum amount of main memory.

10.1 Introduction

When install a new device, sometimes user need to configure it, which mean to set various switches and jumpers. For example, the device may need to know what type of video adapter or what type of printer is connected to the computer.

10.2 Add Hardware Control Panel

The Add Hardware Control Panel component provides the Add Hardware Control Panel to the Windows operating system. This component includes the Add Hardware Control Panel application in the hdwwiz.cpl file, as well as the hardware.chm file, which is a compiled Help file that contains the associated online Help documentation. This component also supplies the newdev.dll, which supports the Driver Rollback feature. Driver Rollback makes it possible to restore a previously installed device driver.