

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



IIUM Press

Published by:
IIUM Press
International Islamic University Malaysia

First Edition, 2011
©IIUM Press, IIUM

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 :
IIUM 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	<i>iii</i>
PREFACE	<i>viii</i>
ACKNOWLEDGEMENT	<i>ix</i>
1. INTERNAL STRUCTURE OF COMPUTER SYSTEMS	
<i>Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli.....</i>	<i>1</i>
2. INTERFACES AND PROTOCOLS	
<i>Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli.....</i>	<i>9</i>
3. FIRMWARE PROGRAM	
<i>Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli.....</i>	<i>17</i>
4. GRAPHICAL USER INTERFACES	
<i>Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli.....</i>	<i>23</i>
5. SHORT CUT AND HARD DRIVE	
<i>Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli.....</i>	<i>31</i>
6. WINDOWS EXPLORER	
<i>Asadullah Shah, Muniba Shaikh and Imad Fakhri Taha Alshaikhli.....</i>	<i>39</i>
7. FOLDER AND DIRECTORY	
<i>Asadullah Shah, Muniba Shaikh and Imad Fakhri Taha Alshaikhli.....</i>	<i>47</i>

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

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

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

23. IMAGE TOOL FUNCTION

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

Abstract

The experiment used to painting an image or a part of an image by using, paint brush, air brush and pencil tools. Various exercises are to be taught to the students so that they can have good understanding and practice of using software provided for the same purpose.

23.1 Introduction

The mix effects on the image will let user define multiple colors on a single image. This chapter will provide some exercise on Paint Brush, Air Brush & Pencil tool to paint selected parts of an image in various ways. Also exercise on how to Use Paint Bucket, Gradient tool and eraser.

23.2 Gradient Exercise 1:

1. Open **Ducky.tif**
2. Using selection tool of your choice, select white background.
3. Select Gradient tool, and change the background colour with the colour of your choice.

23.3 Gradient Exercise 2:

1. Open a new file.
2. Create a new layer and select Gradient style of your choice and practice creating different gradient effects by adjusting opacity levels and changing **Gradient type** from Solid to Noise.