



Bahria University
Discovering Knowledge

FINAL YEAR PROJECT REPORT

PICWORDS: AN AUTOMATIC IMAGE RENDERING APPROACH BY PACKING KEYWORDS

By

NUZHAT NISA	(36595)
RIDA AFZAL	(36600)
ZARMEEN AFZAL	(36549)
ADIYA HUMAIYOUN	(36627)
RABAB SALEEM	(36779)

SUPERVISED BY

MISS SABA AKHTAR

BAHRIA UNIVERSITY (KARACHI CAMPUS)

2017

ACKNOWLEDGEMENTS

We would like to thank everyone who had contributed to the successful completion of this project. We would like to express my gratitude to my research supervisor, Miss Saba Akhter for her invaluable advice, guidance and her enormous patience throughout the development of the research.

In addition, we would also like to express my gratitude to our loving parent and friends who had helped and given me encouragement.

PICWORDS: AN AUTOMATIC IMAGE RENDERING APPROACH BY PACKING KEYWORDS

ABSTRACT

The Pic Word is a kind of latter word art rule is proposed, among who inputs are image and the key phrases as introduce incomplete facts in regard to the enter picture, and the yield about it system is aggregate about enter picture then enter keywords. In ancient days this content material practical have been made by means of terribly proficient experts and this was as well as substantial measure of manual work, thus this framework isn't quite a similar as this typical work. The proposed dictation is Automatic belief Warping System. It is kind regarding computerized non-photorealistic rendering (NPR) pack system. In that technique enters image is vindicated among twins parts, one is major section then another is history part. The major section is beneficial share then background portion is not useful part. The keyword desire lie packed within main portion then history piece intention keeps ignored. Then the fundamental portion desire stand segmented within quantity on patches, each patch desire action as like basket for one keyword. The extra important keywords are put of vast picture someplace because that we job key phrases as well so patches. Then key phrases or anywhere warping are made including the assist over mean charge coordinates method. Lastly, the put up technology strategies are aged after improve usefulness regarding picture

TABLE OF CONTENTS

CHAPTER		
1	INTRODUCTION	1
	1.1 Background	1
	1.2 Problem Statements	3
	1.3 Aims and Objectives	2
	1.4 Scope of Project	3
	DECLARATION	i
	APPROVAL FOR SUBMISSION	ii
	ACKNOWLEDGEMENTS	iv
	ABSTRACT	v
	TABLE OF CONTENTS	vi
	LIST OF FIGURES	ix
	LIST OF SYMBOLS / ABBREVIATIONS	x
	LIST OF APPENDICES	xi
	2.1.1.1 Photo Mosaic	4
	2.1.2.1 Puzzle Mosaic	6
	2.1.3 Calligraph	7
	2.1.3.1 Typewriter Art	7
	2.1.3.2 TTY and RTTY	7
	2.1.3.3 Boundary Printer Art	7
	2.1.3.4 ASCII-ART	8
	2.1.3.5 Fat Fonts	8
	2.2 Software Review	9
	2.2.1 MATLAB	9
	2.2.2 The Language of Technical Computing 2	9
	2.2.3 MATHGRAPHICS PROGRAMMING	9
	2.2.4 SCALE INTEGRATED DEVELOP	10
	2.2.5 Key Features	

TABLES OF CONTENTS

CHAPTER

1	INTRODUCTION	1
	1.1 Background	1
	1.2 Problem Statements	3
	1.3 Aims and Objectives	3
	1.4 Scope of Project	3
2	LITERATURE REVIEW	4
	2.1 Ancient Image Processing Techniques	4
	2.1.1 NPR	4
	2.1.2 Mosaicking	5
	2.1.2.1 Crystallization Mosaic	5
	2.1.2.2 Ancient Mosaic	6
	2.1.2.3 Photo Mosaic	6
	2.1.2.3 Puzzle Mosaic	6
	2.1.3 Calligram	7
	2.1.3.1 Typewriter Art	7
	2.1.3.2 TITTY and RTTY	7
	2.1.3.3 Boundary Printer Art	7
	2.1.3.4 ASCII-ART	8
	2.1.3.5 Fat Fonts	8
	2.2 Software Review	9
	2.2.1 MATLAB	9
	2.2.2 The Language of Technical Computing 2	9
	2.2.3 MATH.GRAPHICS.PROGRAMMING	9
	2.2.4 SCALE.INTEGRATE.DEPLOY	10
	2.2.5 Key Features	

3	DESIGN AND METHODOLOGY	11
3.1	Prototype Model	11
3.2	Project Completion Steps	12
3.3	Flow Chart	14
4	IMPLEMENTATION	16
4.1	Picture Module	16
4.2	Keyword Module	19
4.2.1	Fetch keywords from websites	19
4.2.2	Ranking of keywords	20
4.3	Pictures and Keyword Module	21
4.3.1	Text imposing through textbox	21
4.3.2	Overlapping Conditions	25
5	RESULTS AND DISCUSSIONS	27
5.1	Final Outcome	27
5.2	Future Scope	28
6	CONCLUSION AND RECOMMENDATIONS	29
	REFERENCES	30
	APPENDICES	31