Media Engineering and Technology Faculty German University in Cairo



A Brain-controlled On-screen Assistive Keyboard

Bachelor Thesis - Expository

Author: Maqarios Wagdy Tawadros Saleh Mohareb

Supervisors: Assoc. Prof. Seif El-Dawlatly

Submission Date: 26 May, 2019

Media Engineering and Technology Faculty German University in Cairo



A Brain-controlled On-screen Assistive Keyboard

Bachelor Thesis - Expository

Author: Maqarios Wagdy Tawadros Saleh Mohareb

Supervisors: Assoc. Prof. Seif El-Dawlatly

Submission Date: 26 May, 2019

This	is	to	certify	that:

- (i) the thesis comprises only my original work toward the Bachelor Degree
- (ii) due acknowlegement has been made in the text to all other material used

Maqarios Wagdy Tawadros Saleh Mohareb 26 May, 2019

Acknowledgments

First of all, I would like to express my at-most gratitude to my supervisor Assoc. Prof. Seif El-Dawlatly for his support and immense knowledge. His sincere guidance helped me a lot in the time of research, application, experimentation and writing of this thesis.

Besides my supervisor, I thank my colleagues Ahmed Alaa, Mostafa Nasr and Omar Ashraf for giving me insightful arguments and collection of data.

Last but not least, I would like to thank my parents for the continuous support and patience.

Abstract

Contents

Introduction	1
Background	3
Approach	5
Results	7
Future Work	9
Appendix	
List of Abbreviations	11 11 12
	Background Approach Results Future Work opendix Lists

Introduction

Background

Approach

Results

Future Work

Appendix

Appendix A

Lists

List of Figures