

**Final Year Project Report**  
**Learning Application For Disabled Kids**



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## **Dedication**

We dedicate our dissertation work to our loving parents and teachers. Special regards to our respectful teachers, a warm gratitude to our family and friends whose words of encouragement and push for tenacity ring in our ears. Without their support and cooperation it would not have been possible to complete our graduation. We are very pleased and thankful to all our teachers, our advisors who played a crucial role in helping us achieve our goal.

## Final Approval

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In the name of Allah, the most gracious and the most merciful. All glory and honor to almighty Allah who gave us the ability to accomplish this work. We dedicate this piece of work to our mothers and fathers and the entire family. Without their support and unconditional love, we would not be able to reach our final destination. A very special thanks to our project advisor Rao Faizan Ali, as well as co-advisor Ansar who helped us throughout this phase including all ups and downs and hardships we faced.

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## **ABSTRACT**

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According to Scott Hamilton “The only disability in life is bad attitude”.

Disability is a term that can be defined as lack of adequate power, strength, physical or mental ability; incapacity.

Whenever a disabled child is born, he/she becomes a disappointing creature for the entire society except for parents, or parents might be included in some or the other case.

The main purpose of designing our learning application is to enhance and develop e-learning among disabled kids. This application is specifically designed for children with intellectual disabilities in order to teach and motivate them the use of modern technology.

There are several types of disabilities affecting children and adolescents. These include Autism, Blindness, cerebral palsy, deaf blindness, Epilepsy and several more.

In our application, we have focused among some of these disabilities including blindness, autism and deaf & hearing loss.

## REVISION CHART

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# CONTENTS

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Dedication.....	2
Acknowledgment.....	4
Abstract.....	8
<b>CONTENTS.....</b>	<b>1</b>
<b>1. INTRODUCTION.....</b>	<b>3</b>
1.1 MOTIVATIONS.....	3
1.2 PROJECT OVERVIEW.....	3
1.3 PROBLEM STATEMENT.....	3
1.4 OBJECTIVES.....	4
<b>2. DOMAIN ANALYSIS.....</b>	<b>5</b>
2.1 CUSTOMER.....	5
2.2 STAKEHOLDERS.....	5
2.3 AFFECTED GROUPS WITH SOCIAL OR ECONOMIC IMPACT.....	5
2.4 DEPENDENCIES/ EXTERNAL SYSTEMS.....	5
2.5 REFERENCE DOCUMENTS.....	5
2.5.1 Related Projects.....	5
2.5.2 Feature Comparison.....	5
<b>3. REQUIREMENTS ANALYSIS.....</b>	<b>6</b>
3.1 REQUIREMENTS.....	6
3.1.1 SOFTWARE REQUIREMENT.....	6
3.1.2 HARDWARE REQUIREMENT.....	6
3.1.3FUNCTIONAL REQUIREMENT.....	6
3.1.4NON FUNCTIONAL REQUIREMENT.....	8
3.2 List of use cases.....	9
3.3 EXTENDED USE CASES.....	<b>ERROR! BOOKMARK NOT DEFINED.</b> 0
3.4 SYSTEM USE CASES DIAGRAM.....	20
3.5 USER INTERFACES (MOCK SCREENS).....	21
<b>4. DATA FLOW DIAGRAM (OPTIONAL).....</b>	<b>29</b>
4.1 DATA FLOW DIAGRAM LEVEL 0.....	29
4.2 DATA FLOW DIAGRAM LEVEL 1.....	30
4.3 DATA FLOW DIAGRAM LEVEL 2.....	31
<b>5. SYSTEM DESIGN.....</b>	<b>32</b>
5.1 SYSTEM ARCHITECTURE DIAGRAM.....	32
5.2 CLASS DIAGRAM.....	33
5.3 SEQUENCE DIAGRAMS.....	34
5.4 COLLABORATION DIAGRAMS.....	35
<b>6. IMPLEMENTATION DETAILS.....</b>	<b>36</b>
6.1 Development Setup.....	36
6.4.1 Assumptions.....	36
6.4.2 Limitations.....	36
<b>7. TESTING.....</b>	<b>37</b>
EXTENDED TEST CASES.....	37
Traceability matrix.....	54

<b>8. RESULTS/OUTPUT/STATISTICS.....</b>	<b>55</b>
8.1 %COMPLETION .....	55
8.2 %ACCURACY .....	55
8.3 %CORRECTNESS.....	55
<b>9. CONCLUSION .....</b>	<b>56</b>
<b>10. FUTURE WORK .....</b>	<b>57</b>

# 1 INTRODUCTION

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## 1.1 Motivations

According to a new report, every year an estimated and million children are born with a serious birth defect of genetic or partially genetic origin. When a child grows up and he realizes that he/she is physically or mentally not normal, he develops an inferiority complex within himself. The reason for developing such complex is we, ourselves and our society. There are several reasons to this:

1. Because their families believe that they cannot get educated.
2. Because of lack of schools for them in our country.
3. Because parents don't want their child to study with disabled children.

So on and so forth. We need to facilitate these kids and make them realize that they are not among us. Parents of disabled kid's face many problems is almost every kind of task. With the vast growing use of modern technology nowadays, children have forgotten to play outdoors unlike the kids of 1990(s). These kids just need hand-held devices in their hands. The main reason for choosing this mobile application is to engage them in their early learning process. Our motivation behind choosing this project is that disabled children are often or almost never found in play grounds or parks. This app will enhance their mental as well as physical capabilities. It will provide them a class environment in which they will be able to learn English alphabets, Mathematics, Sketching & Painting, sign language for dumb/deaf and different video categories related to self-motivation which will increase their will power to learn. By using our application, it will provide them opportunities to learn on one hand, and on the other hand they will find it user-friendly as well as enjoyable.