



Thesis Report

(Artech institute for sen children)

By:

Arslan Akhter

12002101021

School of Architecture and Planning

University of Management and Technology, Lahore

DEDICATIONS

I dedicate my effort to my beloved parents, very caring brother and loving sister. May Almighty Allah bless them with good health, fortune and happiness forever. Ameen

ACKNOWLEDGEMENTS

All the words of praises and recognition for Almighty Allah, who is the entire source of all knowledge and wisdom endowed to mankind. I offer my humblest gratitude from the core of my heart to the Holy Prophet (PBUH), who is the cause of creation of universe and source of guidance and knowledge for humanity.

It gives me a momentous pleasure in transcribing my whole hearted thanks to the members of my advisory Committee, Prof Dr. Muhammad Yusuf Awan, Dean, School of architecture and planning, UMT Lahore, Dr. Saima Gulzar , Chairperson, School of architecture and planning, UMT Lahore, and Mr Ilyas Malik Sb. for their guidance, cooperation, and encouraging attitude throughout the course of my final project.

There are many people like my whole family and my friends, who helped me during my final project, through their generosity and knowledge. As i believe that words always express less than actual. Finally, as is customary, all mistakes left uncorrected are entirely mine.

ARSLAN AKHTAR

ABSTRACT

“It is a lonely existence to be a child with a disability which no-one can see or understand, you exasperate your teachers, you disappoint your parents, and worst of all you know that you are not just stupid.” –Susan Hampshire

The straight fact is that the physically and mentally disabled in Pakistan do not receive the support that would be common in a society sensitive and compassionate towards their disabled citizens. They are heckled, disrespected and pointed out as different by the population at large. Furthermore our public infrastructure does not incorporate suitable design features to aid the disabled in the public realm thus leaving them at the mercy of difficulties beyond those they are already facing. Worst of all, disabled children suffer greatly in their education due to inadequate facilities, incompetent teachers, deficient teaching methodologies and severely lacking awareness schemes for the general public.

It is of utmost importance to address issues regarding the education of special children, not only for the children themselves but to ensure a healthy society and a sustainable economy. Reports by the World Bank, UNDP (United Nations Development Program) and UNICEF (United Nations International Children’s Emergency Fund) point towards the long term unsustainability of economic growth, unless strategic shifts are instituted to improve social sector performance.

At the helm of their efforts is to establish and institute which will serve as the crown jewel of their efforts to counter the challenge of special children education. To provide these children with all the educational & training facilities to enhance their capabilities and rehabilitate them in the society.” Furthermore, it will set the precedent for the design of public infrastructure, which facilitates the disabled in the public realm. The project will be comprised of main school

building, college facility, administration block, health center, hostel for children and staff members playing areas, training center etc.

TABLE OF CONTENTS:

Introduction	6
1. Importance of the Subject	7
A) History of Special Education	7
B) Need of an Institute for Special Education	7
2. Client's Brief	8
3. Architect's Brief	9
4. Scope of the Project	10
5. Research Aspects	11
5.1 How Technology is Helping Special-Needs Student	11
5.2 Special Needs Sensory garden	12-13
6. Literature Review	14
Education for Special Children	
Causes of Disability among children	15
Types of Disabilities	15-27
a) Mental Retardation	
b) Down Syndrome	
c) Autism	
d) Physical Disability	
7. Case Studies	28-35
i- Rising Sun Institute for Special Children	
ii- Special Education and Training Center	
iii- Holy Water (U.K)	
8. 8- Architectural Program	36-42
9. Site Selection	42-43
10. Plans	44-45
11. Resources	46

INTRODUCTION

“It is a lonely existence to be a child with a disability which no-one can see or understand, you exasperate your teachers, you disappoint your parents, and worst of all you know that you are not just stupid.” –Susan Hampshire

The straight fact is that the physically and mentally disabled in Pakistan do not receive the support that would be common in a society sensitive and compassionate towards their disabled citizens. They are heckled, disrespected and pointed out as different by the population at large. Furthermore our public infrastructure does not incorporate suitable design features to aid the disabled in the public realm thus leaving them at the mercy of difficulties beyond those they are already facing. Worst of all, disabled children suffer greatly in their education due to inadequate facilities, incompetent teachers, deficient teaching methodologies and severely lacking awareness schemes for the general public.