

## ACHARYA'S NRV SCHOOL OF ARCHITECTURE

SOLADEVANAHALLI, BENGALURU -560107

# Arhat - School for Special Children ARCHITECTURE DESIGN PROJECT (THESIS) – 2023-24

## Submitted in partial fulfillment of the Requirements for the "Bachelor of Architecture" Degree Course

Submittedby : Sneha G Raj
USN : 1AA19AT057
Guide : Ar. Gracy H David

A project report submitted to

## VISVESHWARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Machhe, Belgaum – 590018

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ - ೫೯೦೦೧೮



## **CERTIFICATE**

This is to certify that this thesis report titled Arhat – School for Special Children
by Sneha G Raj of IX SEMESTER B. Arch, USN No. 1AA19AT057, has been
submitted in partial fulfillment of the requirements for the award of under
graduate degree Bachelor of Architecture (B.Arch) by Visveshwaraya
Technological University VTU, Belgaum during the year 2023- 24.

**Guide:** 

Principal

**Examined by:** 

- 1) Internal Examiner:
- 2) Externalexaminer1:
- 3) External examiner2:

## **DECLARATION**

This thesis title "Arhat – School for Special Children", submitted in partial fulfillment of the requirement for the award of the under graduate of Bachelor of architecture is my original work to the best of my knowledge.

The sources for the various information and the data used have been duly acknowledged.

The work has not been submitted or provided to any other institution/ organization for any diploma/degree or any other purpose.

I take full responsibility for the content in this report and in the event of any conflict or dispute if any, hereby indemnify Acharya's NRV School of Architecture and Visveshwaraya Technological University, Belagavi, and its official representatives against any damages that any raise thereof.

**SNEHA G RAJ** 

1AA19AT057

#### **ACKNOWLEDGEMENT**

I extend my heartfelt gratitude to those who have been integral to the completion of this thesis, a project close to my heart dedicated to special children.

Special thanks to my family for their unwavering support and encouragement throughout this academic journey.

I am deeply grateful to my guide and mentor Ar. Gracy H David for her valuable guidance and expertise.

To all those who contributed to the realization of this endeavor, your collective efforts have created a space that embraces and celebrates the potential of every special child. Thank you for being part of this meaningful journey."

#### **RESONANCE**

I dedicate this thesis to my beloved brother, whose extraordinary spirit and unique perspective have been the guiding lights throughout this architectural journey. In the world of special children, I found not only inspiration but also a profound understanding of the importance of creating spaces that cater to their specific needs. As I reflect on the challenges and triumphs of this endeavor, I am reminded of the quote by Hans Asperger: 'It seems that for success in science and art, a dash of autism is essential.' Thank you, Adhi for being my muse, my motivation, and my constant reminder of the incredible potential that resides within every special child.

## **TABLE OF CONTENTS**

1. BASELINE STUDY	1
2. INTRODUCTION	6
3. TOPIC JUSTIFICATION	11
4. TEACHING AND TECHNOLOGY	23
5. DESIGN STRATERGIES	39
6. LITERATURE STUDY	61
7. CASE STUDY	81
8. STANDARDS STUDY	93
9. GOVERNMENT NORMS	98
10.SPECIAL STUDY	99
11.SITE JUSTIFICATION	105
12.SITE ANALYSIS	109
13.PROGRAMS	114
14.CONCEPT	119
15.ZONING	123
16.MASTER PLAN	125