

### ACHARYA'S NRV SCHOOL OF ARCHITECTURE

SOLADEVANAHALLI, BENGALURU -560107

# 'CENTER FOR AUTISM SPECTRUM' ARCHITECTURAL DESIGN PROJECT (THESIS) – 2024-25

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

Submitted by : GONDESI SAI AKSHAYA

USN : 1AA20AT020

Guide : AR. PAVITHRA T

A project report submitted to

## VISVESHWARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Machhe, Belgaum – 590018

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ - ೫೯೦೦೧೮



**CERTIFICATE** 

This is to certify that this thesis report titled "CENTER FOR AUTISM" by

GONDESI SAI AKSHAYA of IX SEMESTER B. Arch, USN No. 1AA20AT020,

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 2024-25.

**Guide: AR. PAVITHRA T** 

**Principal** 

**Examined by:** 

1)Internal Examiner

2)External examiner 1 :

3)External examiner 2 :

#### **DECLARATION**

This thesis title "CENTER FOR AUTISM" 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.

GONDESI SAI AKSHAYA

1AA20AT020

#### **ACKNOWLEDGEMENT**

I would first and foremost like to thank my guide, Prof. Pavithra for being the bridge from my barely functional to thoughtful plans, for also being available whenever we needed her. And most importantly knowing how to center us when we began to drift away.

I am grateful for my family and friends, for guiding me, supporting me and encouraging me in all possible ways.

I would like to thank my college and our principal, Prof. Ar. Sanjyot Shah for giving us necessary exposure.

THANK YOU.

## TABLE OF CONTENT

1.	INTRODUCTION	1 - 4
	1.1 What is autism?	
	1.2 The triad of impairments	
	1.3 Types of ASD	
	1.4 Autism scale	
	1.5 data	
2.	VALIDITY OF THE PROJECT	5 - 9
	2.1 Why is the project made?	
	2.2 Why are you doing this project?	
	2.3 Design brief	
	2.4 Objectives	
	2.5 Scope	
	2.6 Methodology	
	2.7 Justification	
	2.8 Myths and facts	

3.	HISTORICAL REVIEW	10 - 11
	3.1 Autism in Indian literature	
	3.2 Autism centers and professionals	
4.	BACKGROUND STUDY	12 - 17
	4.1 Nature and architecture	
	4.2 Design parameters	
	4.3 Safety and security	
	4.4 Principles	
	4.5 Social aspects	
	4.6 Psychological aspects	
	4.7 Preferable colors	
	4.8 Preferable materials	
5.	BEHAVIOUR ANALYSIS	18 - 21
	5.1 Sight	
	5.2 Smell	
	5.3 Sound	
	5.4 Taste	

	5.5 Touch	
	5.6 Proprioception	
	5.7 vestibular	
6.	LITERATURE STUDIES	22 - 33
	6.1 Sankalph school, Chennai	
	6.2 New Struan – center for autism, Scotland	
7.	CASE STUDIES	34 - 38
	7.1 ASHA academy for autism and handicapped, Bangalore	
	7.2 Krishnan special needs school, Bangalore	
8.	SITE ANALYSIS	39 - 44
8.	SITE ANALYSIS  8.1 Site	39 - 44
8.		39 - 44
8.	8.1 Site	39 - 44
8.	8.1 Site 8.2 Site images	39 - 44
8.	<ul><li>8.1 Site</li><li>8.2 Site images</li><li>8.3 Site context</li></ul>	39 - 44
8.	<ul><li>8.1 Site</li><li>8.2 Site images</li><li>8.3 Site context</li><li>8.4 Site access</li></ul>	39 - 44
8.	<ul><li>8.1 Site</li><li>8.2 Site images</li><li>8.3 Site context</li><li>8.4 Site access</li><li>8.5 Climatic conditions</li></ul>	39 - 44

	8.8 Manmade features				
	8.9 Utilities				
	8.10	SWOT analysis			
	8.11	Factors how site is appropriate			
9.	9. DESIGN ASPECTS				
	9.1 Concept				
	9.2 Master plan				
	9.3 Lear	rning block plan			
	9.4 Hea	lth block plan			
	9.5 Non	a-staff block plan			
	9.6 Con	nmunity block			
	9.7 Deta	ails of outdoor spaces			
10.CONCLUSION/RESULT			55 - 55		
11	11.BIBILIOGRAPHY				