



INCLUSIVE AUTISM ACTIVITY CENTER

Basic Design Studio – Biomimicry Architecture Model

Prepared by: Blen Kiber

Country: Ethiopia, East Africa

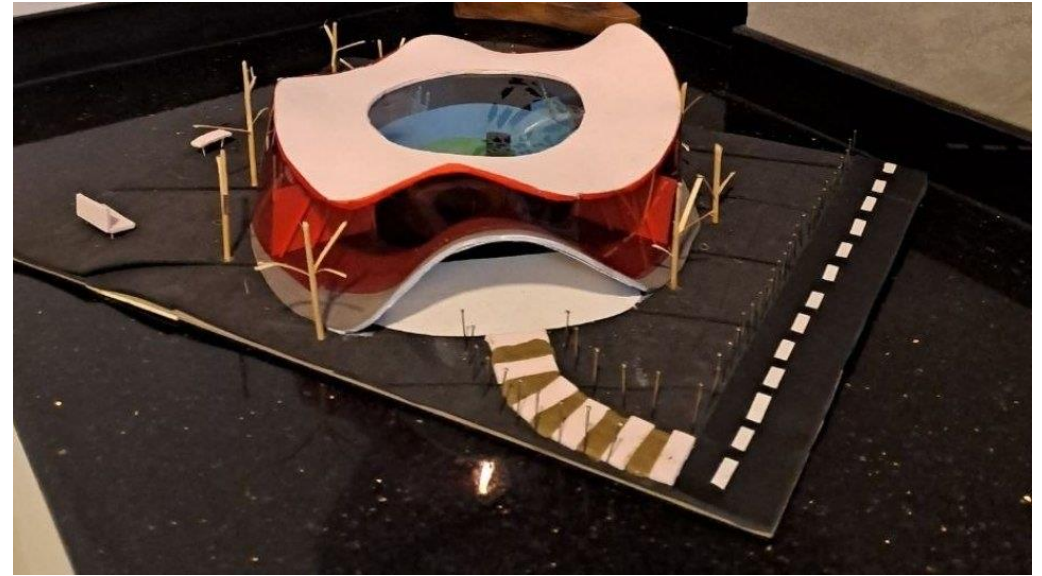
University : Unity University

Department: Architecture

Year: Second-Year Student

Ms. Wudenesh and Ms. Edomawit





MODEL PHOTOGRAPH



PROJECT DESCRIPTION

- This project is a conceptual design for an Inclusive Autism Activity Center, developed as part of the Basic Design Studio. The design is inspired by biomimicry and focuses on creating a calm, safe, and inclusive environment for autistic children. The building is organized around a central amphitheater that encourages social interaction while allowing each activity space to remain comfortable and easy to access. Soft curves, natural light, and simple circulation create a welcoming environment that supports learning, creativity, therapy, and play.



DESIGN CONCEPT

- The concept is inspired by the idea of connection around a calm center. The building wraps around a central amphitheater, representing a shared community space where different activities come together. The organic curved form creates smooth movement between spaces and avoids sharp corners, helping users feel comfortable and reducing stress.



COLOR CONCEPT

- The project uses transparent colored materials to create a calming and engaging atmosphere.
- Yellow Transparent (Amphitheater): Represents warmth, happiness, creativity, and social interaction. It highlights the central gathering space.
- Blue Transparent (Roof Skylight): Brings soft natural daylight into the building and creates a peaceful, relaxing atmosphere that supports concentration.
- Red Transparent (Outer Wall): Defines the building envelope and creates a strong visual identity. The red layer filters sunlight, adds warmth, and helps users recognize the building without overwhelming the interior.
- The main structure is finished in white, symbolizing cleanliness, simplicity, and calmness, which are important qualities in spaces designed for autistic users.



PROGRAM (FUNCTIONS), DESIGN FEATURES & MATERIALS

- Entrance & Exhibition Area
 - Study Room
 - Therapy Room
 - Art & Game Zone
 - Central Amphitheater
- Central amphitheater as the heart of the building.
 - Organic curved walls inspired by natural forms.
 - Continuous circulation around the center.
 - Natural daylight through blue skylight.
 - Comfortable outdoor landscape with trees and seating.
 - Barrier-free entrance and simple navigation.
- White foam board for walls and roof.
 - Transparent acrylic sheets (Blue, Yellow, and Red).
 - Black mounting board for the site base.
 - Wooden sticks representing landscape trees.



TECHNICAL SPECIFICATION

- Project: Inclusive Autism Activity Center
Course: Basic Design Studio
Model Type: Conceptual Study Model
Scale: Not to Scale (NTS) or Conceptual Model (Not to Scale)
Materials: White foam board, transparent acrylic (red, blue, and yellow), black mounting board, wooden sticks, glue.
Construction Method: Handmade physical model.



CONCLUSION

- This model explores how architecture can positively influence human behavior through space, light, color, and form. By combining biomimicry with inclusive design principles, the Inclusive Autism Activity Center creates a peaceful environment where children can learn, play, receive therapy, and interact safely. The project demonstrates how simple architectural ideas can support comfort, creativity, and well-being.
- Designed by:
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THANK YOU !!!

