**Participant Information**

Name and Surname:
Neha Amit Dagdiya

Title:
Learning Beyond Walls

Date of Birth:
8th January 2005

Country of Origin:
India

Home University / College:
School of Planning and Architecture, Bhopal

Country of University / College:
India

Email:
2023barc@spab.ac.in

Phone Number:
9699327685

Profile Photo:

Affidavit Declaration:
I hereby declare that I am over 18 years of age and currently studying at the above-mentioned university. I also declare that this competitive work was created during my academic period and not after my graduation.

Copyright Confirmation:
I hereby declare that I have all copyrights to the photos, visualizations, drawings, and other materials used in my project.

Award Category:
Architecture Category

Project Title:
Learning Beyond Walls – A Dual-Use Community Learning Hub

Project Type:
Workplace + Night School Community Hub

Location:
Pimpri-Chinchwad, Pune, Maharashtra

Project Status:
Concept Design

Technical Information:

- Site Area: Approx. 800–1000 m²
- Built-up Area: Approx. 450 m²
- Materials: Bamboo jali lattice, rammed earth walls, lime plaster, tensile roofing
- Design Approach: Climate-responsive, sustainable, and flexible architecture

Cooperating Authors:
Solo Project

**Project Statement –**

## "LEARNING BEYOND WALLS"

**Learning Beyond Walls** is a dual-use community hub designed to bridge the gap between work and education. The project addresses the challenge faced by working teenagers who are unable to attend conventional daytime schools due to financial responsibilities, family duties, or limited access to education.

The building follows the idea of **"One Space, Two Lives"** — functioning as a workplace during the day and transforming into a night school in the evening. Through flexible planning, classrooms, workspaces, and shared areas adapt according to changing users and time, maximizing the use of resources while creating a sustainable model.

The design focuses on creating an inclusive and supportive environment through climate-responsive architecture. The south facade uses a bamboo jali lattice system to control heat and glare, while rammed earth walls with lime plaster provide thermal comfort and a low-impact construction approach. North and east openings bring natural light, ventilation, and a connection with nature.

The central courtyard acts as the heart of the building, where an open staircase, seating pockets, and informal spaces encourage interaction, relaxation, and community learning. These shared zones allow employees and students to connect beyond formal work and classroom boundaries.

By combining sustainability, adaptability, and social impact, the project creates a space that supports underserved youth while demonstrating how architecture can respond to real-world needs with limited resources.

**A building that works by day, learns by night, and grows with the community.**

# LEARNING BEYOND WALLS

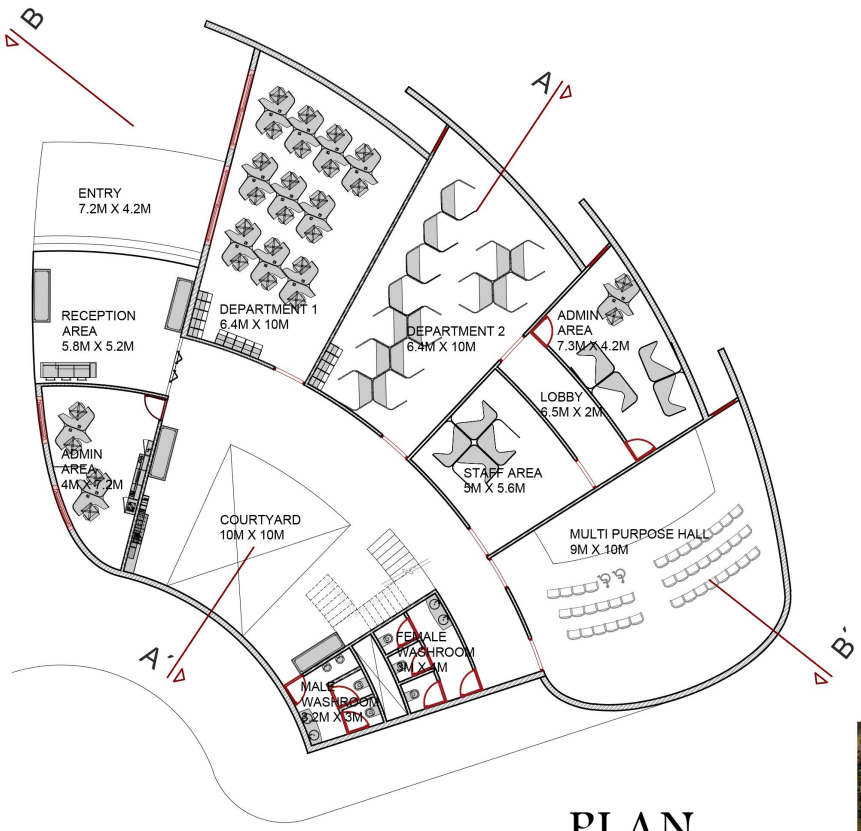
A living educational ecosystem where architecture adapts with time — transforming from a workplace by day into an inclusive learning hub by night, breaking the boundaries of space, schedule, and accessibility to create a safer, nature-connected environment for working youth.

**THE CORRIDORS** act as more than just circulation paths; they become the connecting spine of the building, linking office spaces during the day and learning spaces at night. These semi-open spaces improve natural light, ventilation, interaction, and create pause areas for informal learning and relaxation.

**COURTYARD – Learning Through Interaction**
The open staircase acts as more than circulation; it becomes a **social connector** between different levels and users. Integrated seating pockets along the staircase create pause points for relaxation, informal discussions, and peer learning. With views towards nature and the courtyard, the space encourages a connection between students, community, and the environment, making nature itself a part of the learning experience.

WORK. LEARN. TRANSFORM.

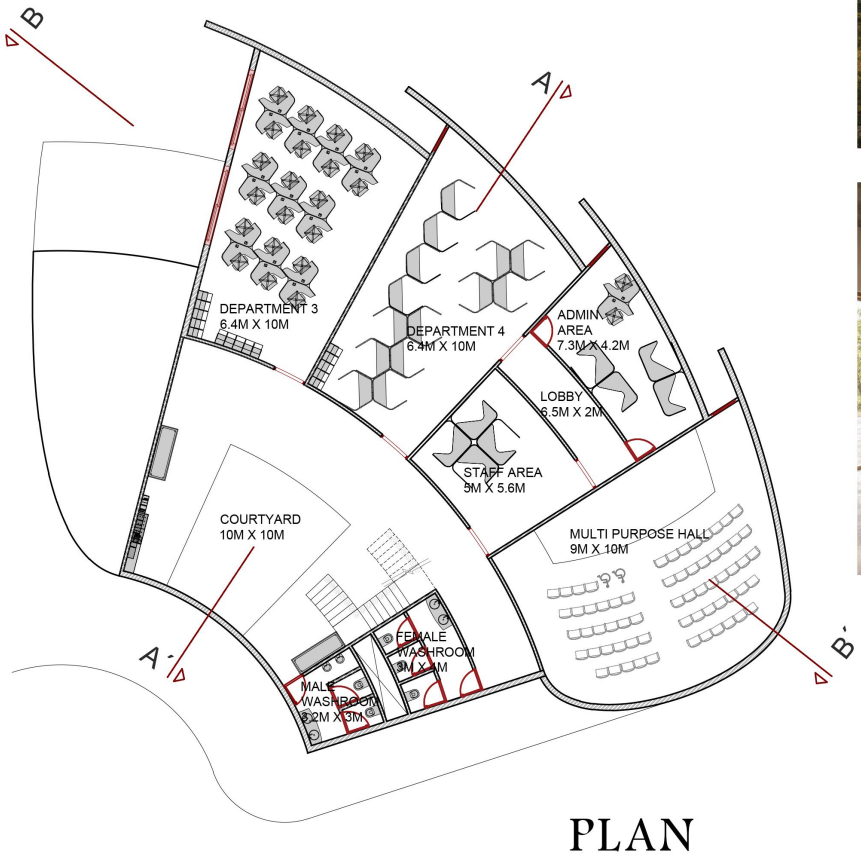
# ONE BUILDING, TWO LIVES




## PLAN

PLAN AT 900MM

SCALE 1:200




## PLAN

PLAN AT 4050MM

SCALE 1:200

Many teenagers from underserved communities are unable to continue education because they work during the day, support their families, or cannot access traditional schooling systems. At the same time, many buildings remain unused after working hours.

**TARGET USERS / BENEFICIARIES**

The project serves working teenagers (14–19 years) who cannot attend regular daytime schools due to jobs, family responsibilities, or financial limitations.

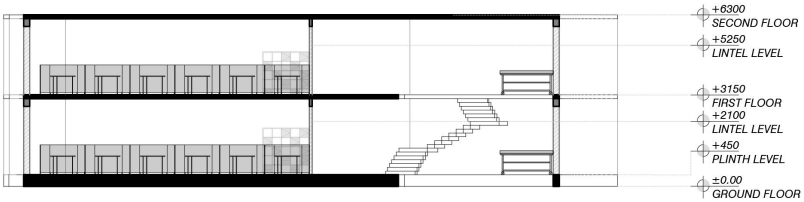
**Primary Users:**

Working youth and school dropouts
Low-income students
Girls and marginalized learners needing safe education spaces

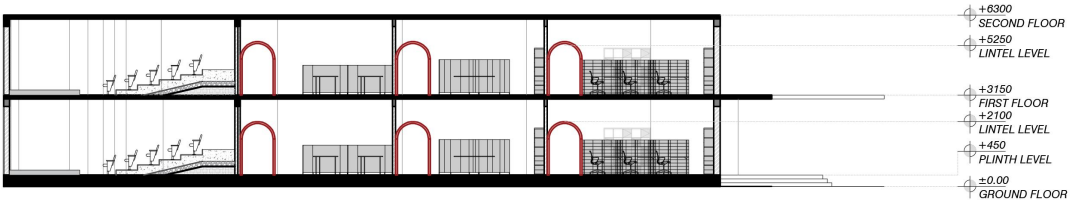
**Secondary Users:**

Office workers (day use)
Teachers, mentors, and community members

**THE DEPARTMENTS** are designed as flexible spaces that transform from offices during the day into learning spaces at night. The south facade uses a bamboo jali lattice system as a climate-responsive skin, controlling heat and glare while allowing diffused natural light inside. Rammed earth walls with lime plaster provide thermal comfort and a natural, sustainable character, creating a calm learning environment connected with the outdoors.

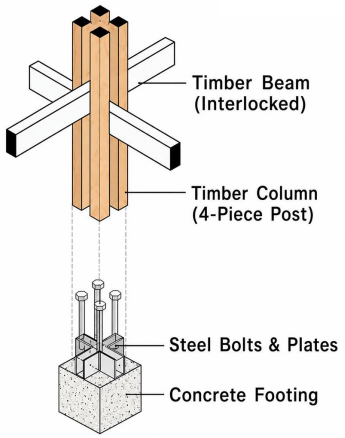



## SECTION AA`
SCALE 1:200




## SECTION BB`
SCALE 1:200

## DETAIL

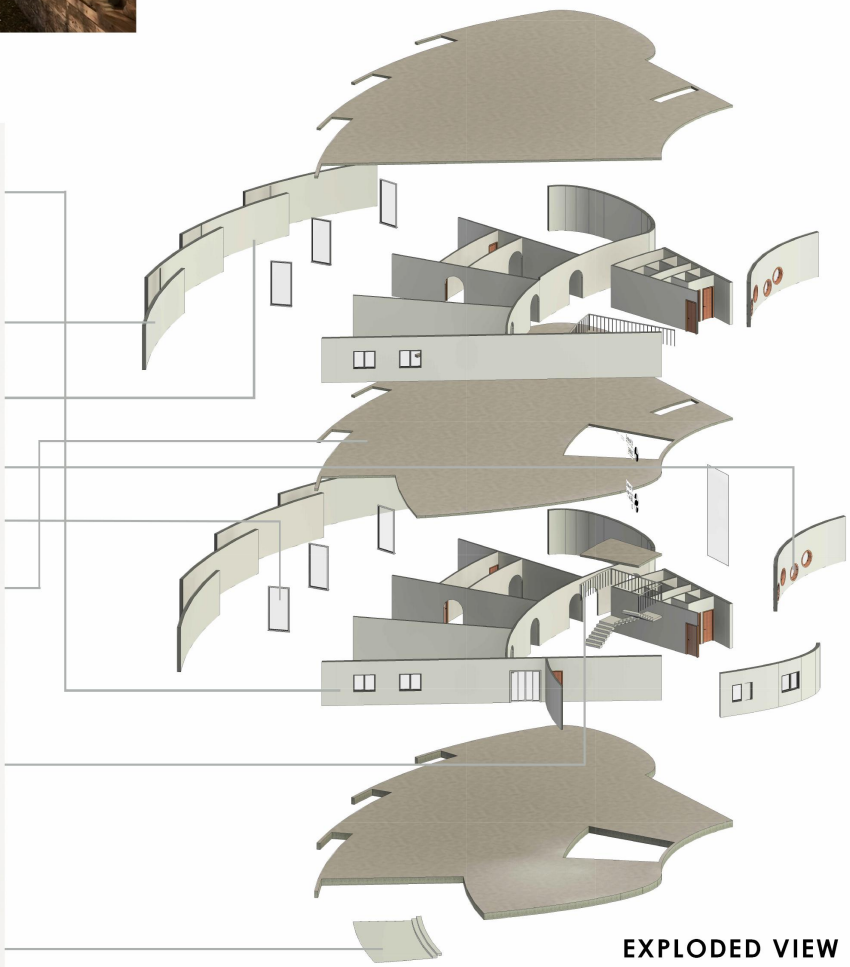



## MATERIALS
Timber columns & beams as the primary structural system
Steel bolts and plates for strong, easy assembly connections
Concrete footing for foundation stability
Natural finishes, timber partitions, and durable flooring for a warm and flexible learning environment

## CONSTRUCTION APPROACH
Lightweight modular timber construction for faster execution
Prefabricated components assembled on-site
Flexible partitions allow spaces to transform from daytime office to night school
Passive design strategies like natural light, ventilation, and shading reduce energy use

## ESTIMATED TIMELINE - 8 MONTHS

| PHASE | DURATION |
|---|---|
| Site preparation + foundation | 1–2 months |
| Timber structure fabrication | 1 month |
| Structural assembly | 1–2 months |
| Walls, openings & services | 2 months |
| Interior finishes + furniture | 1 month |
| Landscape + final setup | 1 month |

EXPLODED VIEW