

PUBLIC INTEREST DESIGN PORTFOLIO



MEET ME!



I'm an architect and sustainability professional interested in how systems — physical and digital — shape long-term human outcomes.

With a master's degree in architecture and certifications including LEED AP, WELL AP, and Fitwel Ambassador, I began my career designing buildings focused on performance, health, and climate responsiveness. Over time, my focus expanded beyond individual projects toward scalable systems — modular infrastructure, distributed public facilities, and tools that help people make better strategic decisions.

Today, my work spans climate-responsive public infrastructure concepts, founder-focused financial tools, and decision frameworks that sit at the intersection of design, sustainability, and entrepreneurship.

I'm particularly interested in problems that require both structural thinking and practical execution — from reimagining rural childcare infrastructure to building digital tools for early-stage founders.

I believe meaningful impact comes not from isolated solutions, but from systems that scale intelligently.

Read more [here](#).

HUMAN MILK BANKS

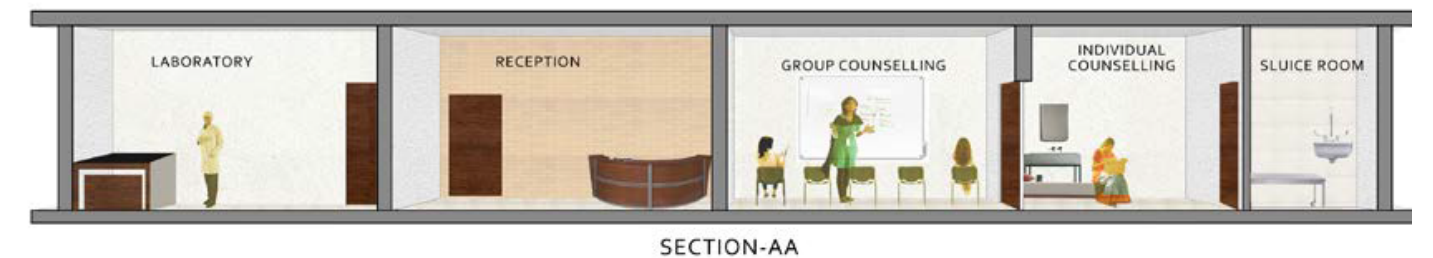


DESIGN CONSULTANCY FOR INDIAN NATIONAL GUIDELINES ON LACTATION MANAGEMENT CENTERS IN PUBLIC HEALTH FACILITIES

Objectives:

Provide a generic design for construction of human milk bank. The project envisages setting up of HMBs in secondary and tertiary level health care facilities. Under the PATH initiative, HMB is expected to be part of the Mother-Baby Friendly Initiative Plus (MBFI+) which will include also counseling and support mothers for breast-feeding, encourage skin-to-skin contact and conduct community outreach activities for promoting milk donation and breast-feeding.

Breast milk is best milk as known to everyone. But there are time when a mother's milk may be unavailable or insufficient when she may need to resort to use pasteurized donor human milk. To make available safe milk for such babies, there is a need to establish human milk banks.





ASSISTED LIVING FACILITY

STATUS: COMPLETED 2016

Individually designed (as an intern) charitable project for Lions Club of Erode Midtown Charitable Trust, a charitable arm of Lions Club of Erode Midtown, India.

Capacity: 12 patients

An old age home for terminally ill patients to be admitted. Interior rooms highly enclosed and sanitized in order to keep the patients away from dust or dirt. The Assisted Living Center offers services such as food, housekeeping, access to medical services, medication management, bathing, dressing, laundry and transportation. Trained nurses with trained assistants take care of these services all through 24 hours so that the elderly people could live with all the comforts they need and spend their time with dignity.



The facility is now built and rests on the plot amidst landscaped lawns, and is particularly popular with the members of the Lions Club of Erode in Tamil Nadu, India.

Major factors that were taken into consideration while designing the facility include wind movement, daylight conditions, local vegetation in order to facilitate an open corridor that can enable cross-ventilation and natural lighting, and to be able to incorporate large operable windows.

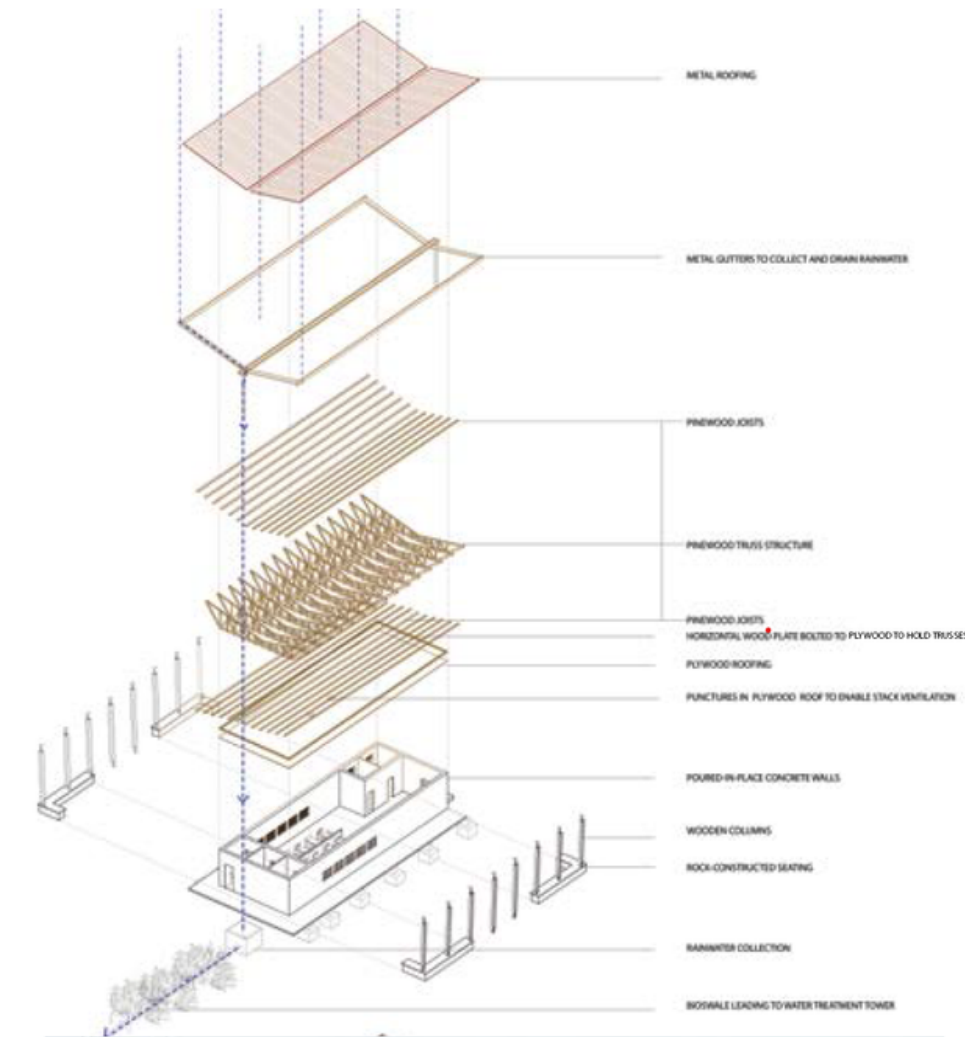


TEACHING HOSPITAL



COMBINING AND PROVIDING HEALTH SERVICES TO A REGION DEPRIVED OF MOST FACILITIES

design for a healthcare facility in Nepley, Haiti that combines the virtues of medical education and medical practice. It is proposed on a location which is currently a sugarcane field, remotely located in a village 20 miles away from Port-au-Prince, the capital city of Haiti. The project is done in collaboration with an American NGO, 'MyLifeSpeaks' that is committed to enhancing the growth and development in Haiti. L'Hôpital Universitaire de MyLifeSpeaks' aims to bring to Nepley the basic facilities of healthcare and higher education, both of which are currently inadequate to a population of approximately 90,000 people.





The site is an existing plot of land that was donated to an American NGO based in Haiti, specifically donated for the purpose of constructing a 'teaching hospital', as the owner felt that the region surrounding his plot of land did not have the kind of medical facilities in its vicinity. The aim is to empower the youth through medical education and encourage them to stay back within Haiti and provide quality medical aid/services to the local people, preferably in upcoming medical institutes.

Combining healthcare and medical education has its own advantages- medical students can gain practical knowledge of medicine and also be more deeply involved in the provision of healthcare and perform triage, provide community services like informal seminars that can educate the people of the village about the positive aspects of hygiene, more active lifestyles, birth control, etc.



MLSMSH will begin to impact the Leogane region in five specific areas to start:

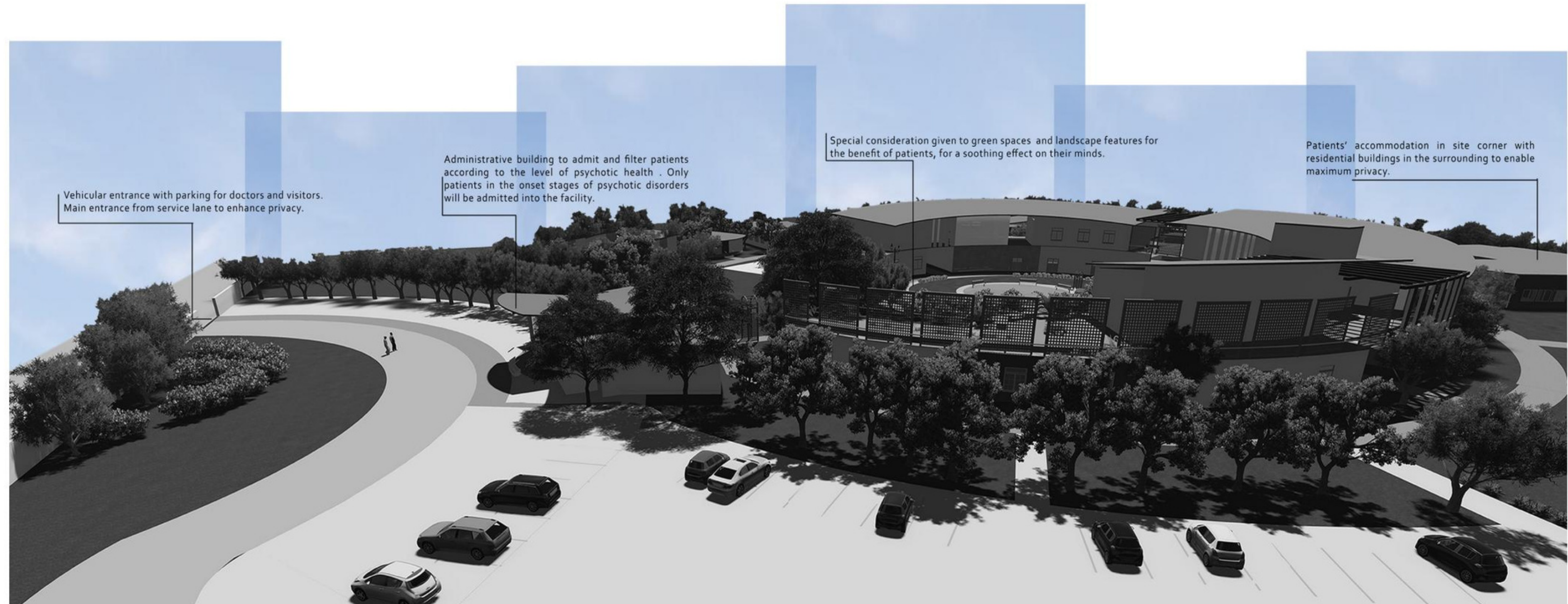
1. Pediatrics (Special Needs Speciality)
2. Laboratory Services
3. Urgent Care (Pediatrics and Adults)/Small Operating Rooms
4. Maternity/NICU Care
5. Internal Medicine (Specialty Clinics)
6. Rehab (All Therapy Departments)



MIND ABODE

PSYCHOSOCIAL REHABILITATION CENTER WITH HALFWAY HOMES

A special facility for patients of psychotic disorders, halfway homes intend to merge the comfort of homes with the provisions and benefits of a medical institution, thereby eradicating the stringent and sometimes negligent atmosphere of a mental institution.



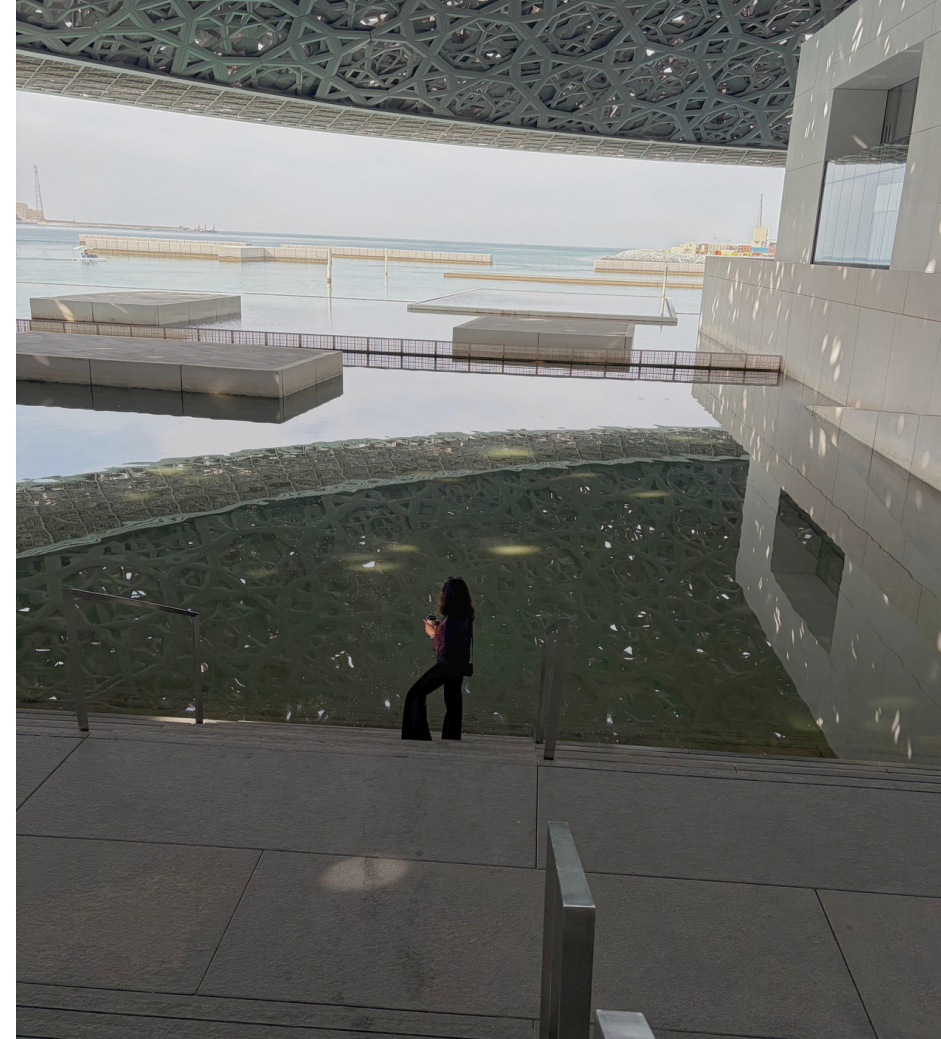
WHY HALFWAY HOMES?

Mental health disorders constitute approx. 14% of the global burden of disease. In India, the overall burden is 11.8%. Halfway Houses include group homes in the community with scheduled group activities and availability of treatment personnel at all times, to encourage independent living.

This encourages the patients to heal quicker due to the fact that they feel at home within these facilities, and the destigmatized environment makes them feel more comfortable going into the outside world.



PUBLICATIONS



01

Academic Dissertation
Research:
Psychotic Disorders and the
Built Environment

02

Editorial Work:
Interview with a Post-Disaster
Architect

03

Academic Thesis Project:
Healing and Learning - A
Teaching Hospital in Haiti

04

Research Project:
Construction Practices for
Better Jail Facilities



THANK YOU

 <https://nikhitabuilds.carrrd.co/>

 nikhitabuilds@gmail.com