

PALUDARIUM

Workshop Proposal

Healing through nature, Thudak Design Studio's Paludarium Workshop introduces nature-inspired therapy to healthcare spaces. A Paludarium is a miniature ecosystem blending land, water, and plant life into a self-sustaining habitat. Designed to aid patient recovery, mental well-being, and air quality, it enhances healing environments and supports healthcare professionals in holistic care.

This hands-on workshop teaches biophilic design integration in medical settings. Participants explore stress-relieving spatial planning, air-purifying plant selection, and therapeutic design strategies. The session fosters collaborative problem-solving and provides practical insights into creating sustainable, calming space



ONE DAY WORKSHOP (INTERMEDIATE)

- 01** **Introduction**
Exploring how paludariums integrate into healthcare environments to enhance patient experience and well-being.
- 02** **Group Formation & Concept Development**
Collaborative ideation to develop functional and therapeutic designs tailored for medical spaces.
- 03** **Tools & Material Exploration**
Hands-on practice with safe, sustainable materials that support hygiene and easy maintenance.
- 04** **Designing, Sketching & Detailing**
Translating concepts into practical designs while ensuring durability, accessibility, and aesthetic balance.
- 05** **Plant Selection & Native Flora Integration**
Choosing air-purifying plants that enhance relaxation, cognitive function, and indoor air quality.
- 06** **Soil & Substrate Selection Based on Theme**
Ensuring a clean, low-maintenance ecosystem with proper filtration and controlled humidity levels.
- 07** **Setup & Final Presentation**
Assembling and refining paludariums to seamlessly integrate with medical spaces for maximum therapeutic impact.
- 08** **Final Iterations - Refinement & Optimization**
Making adjustments to improve functionality, safety, and long-term sustainability in healthcare settings.

Workshop Outcomes & Benefits

- **Enhanced Patient Care:** Learn to create calming environments that reduce stress, anxiety, and recovery time.
- **Medical Space Transformation:** Improve air quality, aesthetic appeal, and overall patient comfort.
- **Hands-on Skill Development:** Gain practical experience in eco-friendly design, material selection, and maintenance.
- **Interdisciplinary Learning:** Foster collaboration between healthcare professionals, therapists, and designers to integrate nature into medical care.
- **Sustainable Solutions:** Implement low-maintenance, self-sustaining ecosystems that thrive in clinical settings.

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Advanced (2-3 Days)

For companies seeking deeper engagement, For healthcare institutions seeking deeper engagement, Thudak's Advanced Paludarium Workshop introduces technical precision, sustainability, and material innovation.

- Enhances Interdisciplinary Collaboration: Encourages teamwork between healthcare professionals, therapists, and designers to develop patient-centered environments.
- Promotes Problem-Solving & Adaptability: Teaches adaptable design strategies to support evolving patient needs and clinical applications.
- Optimizes Workplace Well-Being: Integrates nature and mindfulness into healthcare settings, improving mental clarity, stress management, and overall wellness for patients and staff.



ADVANCED INCLUSIONS

01

Glass cutting and Containment making

Master precision glass cutting and advanced containment techniques to create durable, well-sealed, and structurally complex Paludariums.

02

Material Sterilisation

Master material sterilization using OTG ovens, heat guns, and manual tools to eliminate contaminants for a sustainable Paludarium.

03

Waterbody Detailing

Advanced waterbody detailing, including dynamics, filtration techniques, and aesthetic integration for a balanced Paludarium ecosystem.

04

Cement Molding

Molding techniques to create durable, custom-designed covers that enhance both functionality and aesthetics in Paludariums.

05

Light Fixture Designing

Design and construct custom light fixtures using advanced techniques to enhance plant health, visual appeal, and environmental stability.

06

Maintenance Study

Develop expertise in Paludarium maintenance, focusing on water quality, plant care, structural durability, and long-term ecosystem stability.

07

Reaper Wood Fixtures Design

Develop expertise in Reaper wood fabrication, ensuring structural stability, seamless element integration, and optimal support for climbing plants.

*Basics of
lighting*



*Soft and
Hardscaping*

Plant Selection



*Understand
marsh lands*

*Design your
focus*



*Design light
fixture*

*Vertical
Plantation*



Cement Casting

*Substrate
layering*

*Sketch the
Design*

GLIMPSE

Our Offerings

Cement Tableware Designing
Resin Molding
Form Study and Exploration
Intense Material Exploration
Furniture Design Workshop
Packaging Design Workshop
Product Design Workshops

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