

# PALUDARIUM

## Workshop Proposal

Thudak Design Studio's Paludarium Workshop! A Paludarium is a self-sustaining ecosystem integrating land, water, and plant life. This hands-on workshop is designed for IT professionals and corporate teams, offering a unique team-building experience that fosters collaboration, problem-solving, and creativity. Participants work together to design and assemble a Paludarium, mirroring real-world project planning, innovation, and systems thinking.



### ONE DAY WORKSHOP (INTERMEDIATE)

01

#### Introduction

*Understanding its components and how ecosystem design parallels IT project management and business systems.*

02

#### Group Formation & Concept Development

*Teams collaborate to refine ideas, assign roles, and develop a structured approach for execution, encouraging strategic planning and teamwork.*

03

#### Tools & Material Exploration

*Exploring precision tools and materials, emphasizing efficiency, functionality, and problem-solving, similar to software or infrastructure development.*

04

#### Designing, Sketching & Detailing

*Converting concepts into sketches, focusing on composition, proportions, and structural integrity—building an iterative mindset like agile development.*

05

#### Plant Selection & Native Flora Integration

*Identifying suitable native plants for sustainability, adaptability, and workspace well-being, reinforcing resource management principles.*

06

#### Soil & Substrate Selection Based on Theme

*Choosing materials for stability, water balance, and long-term health, drawing parallels to data structuring and optimization.*

07

#### Setup & Final Presentation

*Hands-on assembly of the Paludarium, integrating design and plant elements. Teams present their work, refining communication and leadership skills.*

08

#### Final Iterations - Refinement & Optimization

*Enhancing the Paludarium's balance and functionality, reinforcing the continuous improvement mindset essential for IT and business.*

### Workshop Outcomes for Professionals

- Enhances team collaboration through structured problem-solving.
- Encourages innovation by merging design, nature, and strategic planning.
- Develops leadership & decision-making skills, improving communication.
- Promotes mindfulness & stress relief, integrating nature into workspaces.
- Strengthens adaptability, encouraging an iterative and analytical minds

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### Advanced (2-3 Days)

For companies seeking deeper engagement, Thudak's Advanced Paludarium Workshop introduces technical precision, sustainability, and material innovation. Fosters collaboration & creativity through hands-on teamwork. Encourages problem-solving & adaptability, reflecting agile principles. Enhances workplace well-being, integrating nature and mindfulness.



#### 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

**Arun S**

(Architect/Industrial Designer/Academician)

[www.thudakindia.com](http://www.thudakindia.com)

+917795259402

[arun@thudakindia.com](mailto:arun@thudakindia.com)

