



# Training Need Analyses in Bamboo

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# Uravu

- Uravu Indigenous Science and Technology Study Centre
- Not for profit organisation registered under Indian Trusts Act.
- Established in 1996, located in Thrikaipetta village, Wayanad, Kerala
- **One of the pioneering organisations in bamboo sector, played a key role in building a fraternity around the green gold.**

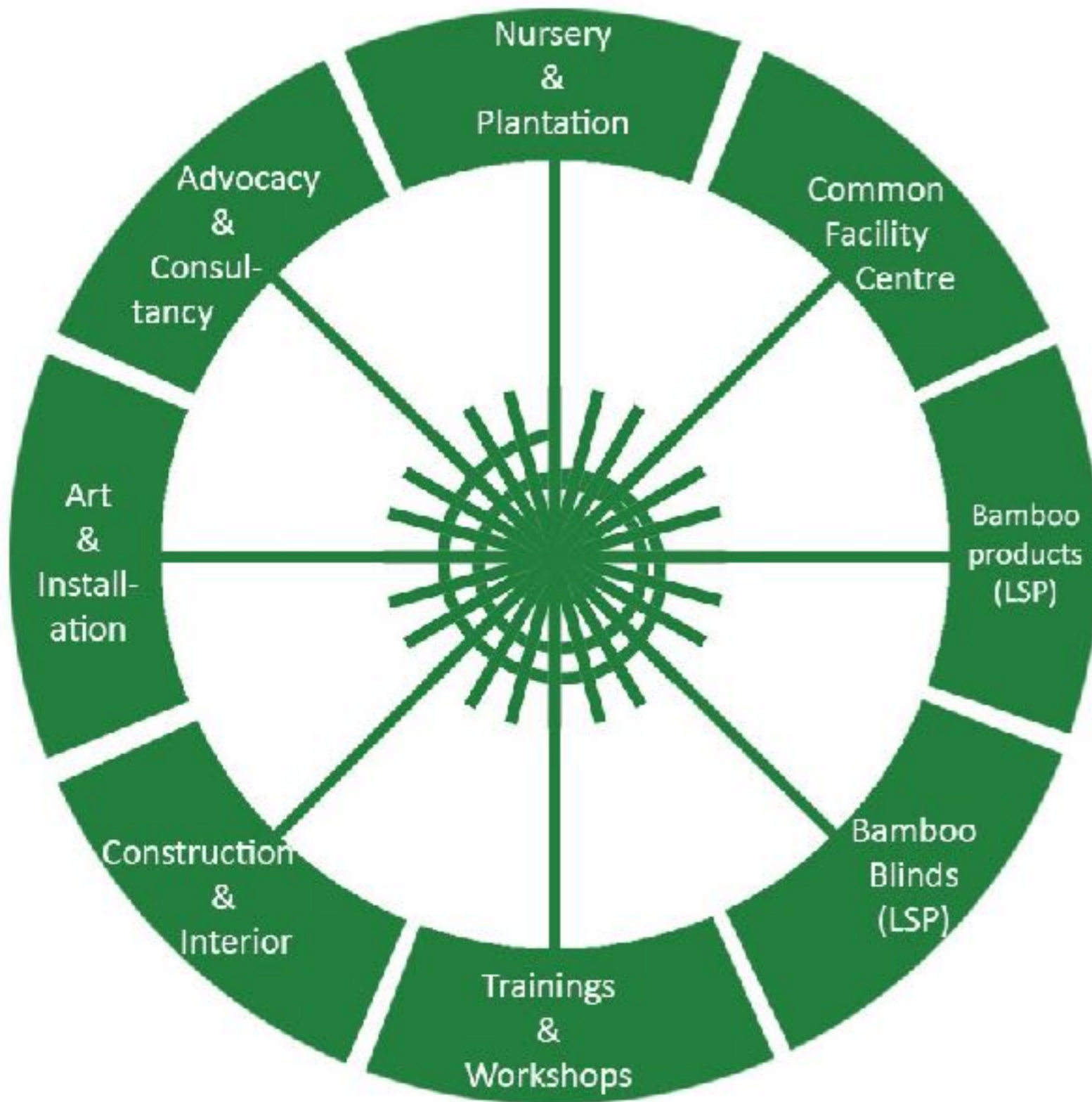




**Uravu- primarily known for the bamboo products we make, was in a phase of crisis and shut down by 2017, rebuilding today!**

**Handicrafts organisation to Diversified & Integrated Model- transforming into an umbrella bamboo organisation that understands and addresses the multiple dimensions of bamboo as a driver for sustainable development.**

# Uravu- Areas of Activities



**Umbrella Bamboo Organisation with Interventions Across 8 different Verticals of Bamboo**

**Our Model**  
**Nursery &**  
**Plantation-R&D-**

# 1. Bamboo Nursery and Plantation

- Defining feature of our model- supplies quality planting material
- Propagate, supply, help to raise plantations and buy back!
- 55 plus bamboo species
- Largest Bamboo Nursery in terms of species diversity in South India



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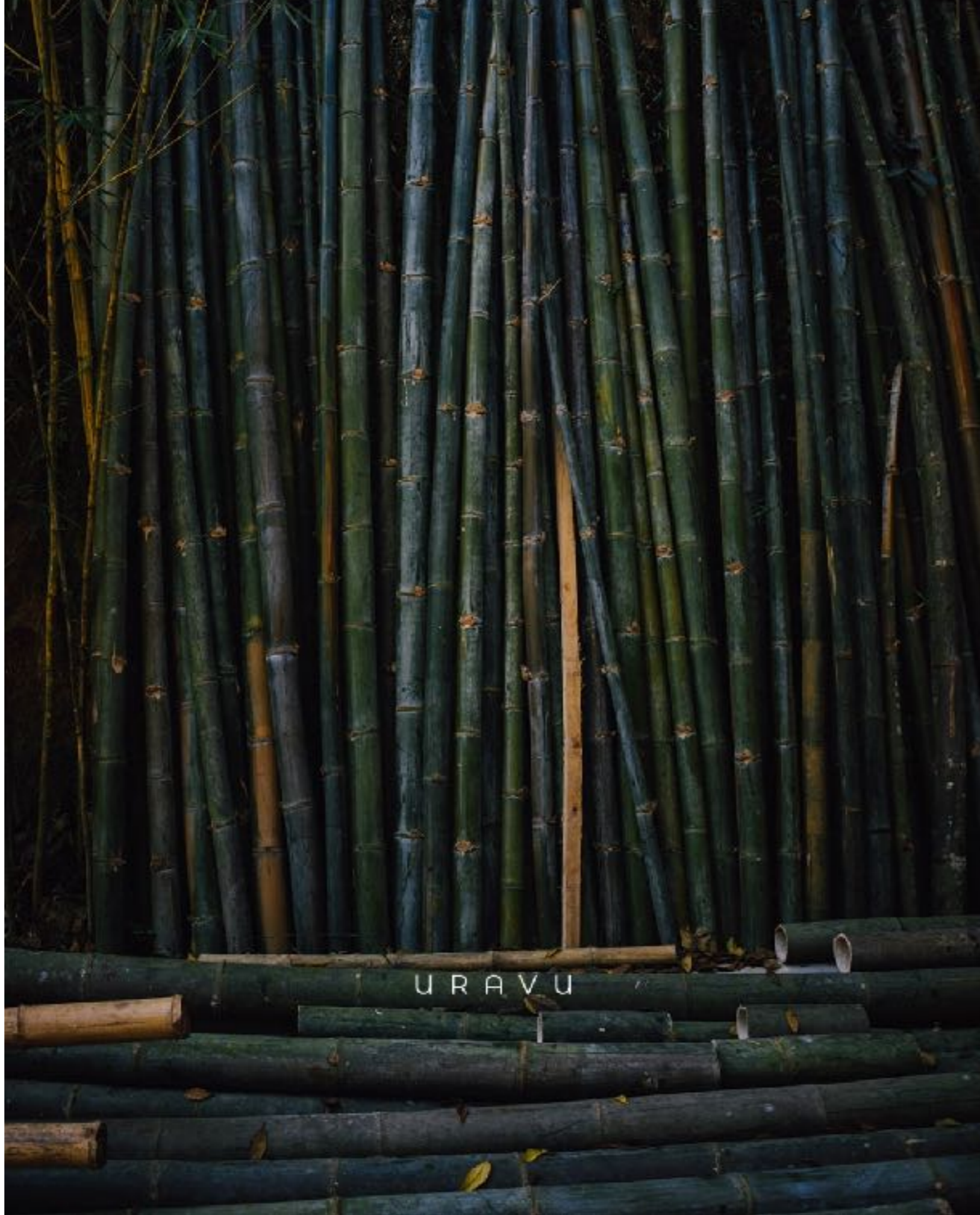
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## 2. Common Facility Centre



Facilitates production process & supplies  
quality raw material



URAVU



### 3. Livelihood Support Program- Bamboo Products



# Livelihood Support Program

- **Handholding support for the Rural Women's SHGs/ Production Units/ Artisans**
- **More than 100 artisans part of this community network.**

## Levels of Support (Need based/ Gap Based Intervention)

1. Design Support- In house Design Team
2. Training Support - Induction to Continuous Skill Upgradation
3. Technical Support
4. Raw Material Support
5. Marketing Assistance
6. Space





- **Major products-Lampshades**









- **Corporate gifting**





- ***Green office* - bamboo solutions for office needs**







Bamboo Pens



**Rain maker**



**Wall Decors & Mask**







**- Weaved Products**



**Bamboo**  
**Natural**  
**Amplifier**



# Covid 19 Mitigation- Green Kits



## Green Kits- School Kit

Calligraphy Pen, Book Mark, Key Chain, Bamboo Pen, Go Green Badge



**Green Kit - Jewellery Kit**  
**Bangle, Locket chain, Hair stick**



**Green Kits- Kitchen Kit**

**Spatula, Fruit Pick, Curry Spoon, Pappad Stick,  
Tong**



**Bamboo Blinds**

# 4. Trainings and workshops

- Knowledge Centre and a solutions point for bamboo.
- Curated, Customised as well as Standard Programs for Students, Tourists, Bamboo Lovers, Government Agencies, Other Development Agencies etc.



## **Major Trainings and Workshops we offer.**

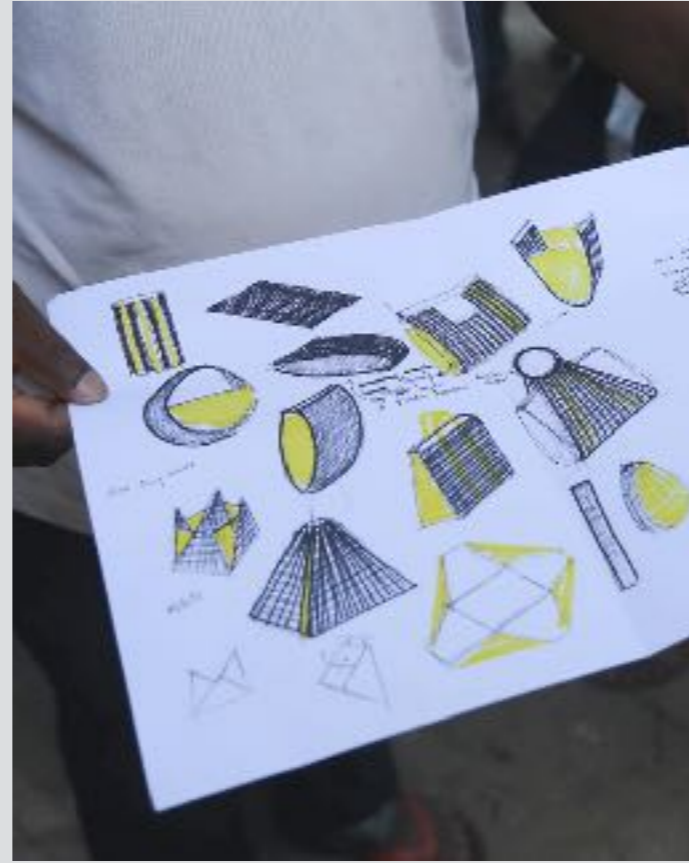
- Introduction to Bamboo
- Introduction to harvesting, processing and treatment.
- Introduction to Entrepreneurship in Bamboo
- Basic Skill Development and Design Transfer programs in Bamboo products making.
- Skill upgradation workshops- follow up trainings.
- Product & Design Development Workshops
- Comprehensive program to develop resource persons for setting up of units- harvesting to final finishing.
- Architecture Workshops

## **a) Bamboo Processing Sri Lanka: Development of Bamboo Supply Chain and Product Industry in Sri Lanka**

In collaboration with UNIDO (United United Nations Industrial Development Organisation )  
& IDB (Industries Development Board ), Sri Lanka











## b) Developing Mathematical Toys in Bamboo

In collaboration with Karnataka State Council for Science and Technology , IISc & Dr. H. N. Science Centre





## c) Design Development & Transfer Workshop

Introduction of New Utility Products Line for the Rural Bamboo Based SHGs in Wayanad, Kerala in collaboration with NABARD







## Certificate Distribution from Different Programs



# 5. Bamboo Construction & Green Architecture

- Application of bamboo for sustainable construction



Uravu



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Max (c)2016



# 6. Bamboo Art & Installations

- Focusses on Bamboo as a material for Art Installations
- Hosts the only Bamboo Art Gallery in the State probably the nation











# 7. Advocacy & Consultancy



## Why Umbrella Model?

- Choice or Need?
- Infant nature of the sector- many of the associated questions are about the need of building an industry and not just an organisation.
- Propagation/ Planting material - Plantation- Sustainable Harvesting- Treatment and processing of Raw Material - Research, Development, Design- Different modes of Value Addition- Marketing- Awareness Creation/ Advocacy- Management- Opportunity / Need is there!
- You simply don't have answers from any one else!!
- Nursery and Training wing classical examples- Industry ready skill set is not available but has to be created/ cultivated.

# Creating a Skill Pool

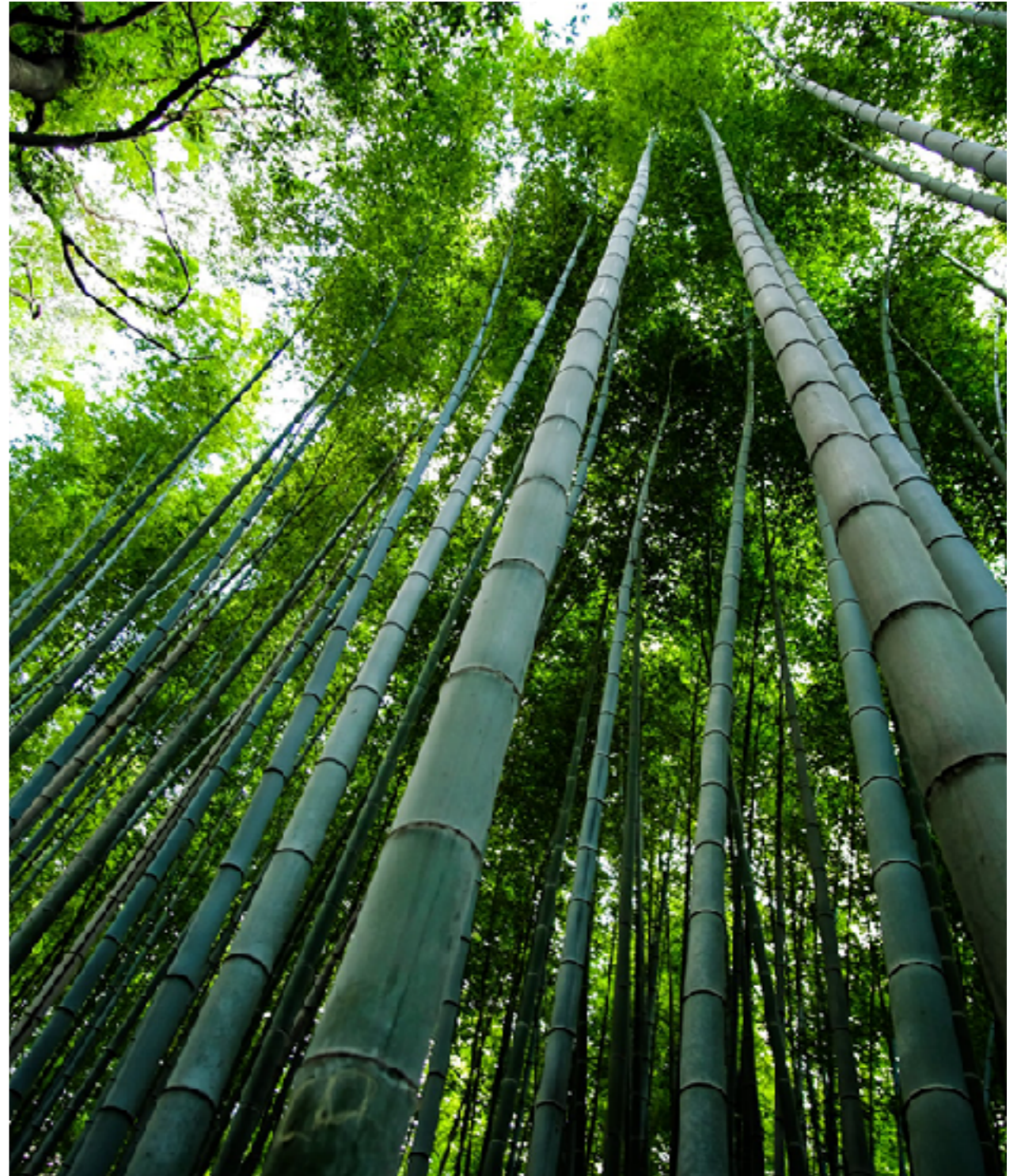
- Scaling up vs Skilling vs Continuous Employability and Income generation capacity which is directly proportional to the scale of the industry- Chicken Egg Situation
- Skill pool creation in an infant industry like bamboo depends lot on the underlying questions.
- What is the product/ design
- What and how is the raw material availability?
- What and where is the market?
- Who all are there to absorb the skill?
- What is the capacity of income generation?
- Ultimately what change would it make to the lives of people?

# Awareness & Skilling

- Minimum awareness about bamboo
- Repositioning and awareness generation about bamboo as a sustainable medium and not just as a traditional option.
- Miracle plant/ super material of the twenty first century/ Green Gold/ Sustainable Wood - needs to be introduced into academics.



- Cradle to Coffin everything could be made in Bamboo.
- Best medium for green economy
- Bamboo is a necessity, one big solution if at all there is a solution to the question of climate change mitigation
- Synergy between raw material, design, technology, skill, market knowledge and management is essential to unleash the true potential of bamboo as a game changer.



***“The future will be green, or not at all. This truth lies at the heart of humankind's most pressing challenge: to learn to live in harmony with the Earth on a genuinely sustainable basis.”***

***Sir Jonathon Porrit***

THANK YOU!!

***Tony Paul***

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