



# Tici

NatureLab

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LIFE  
SCIENCE  
EDUCATION  
TRUST



## CRAFTING NATURE, CULTIVATING PASSION

NATURE-INTEGRATED ECOSYSTEMS

RESEARCH & TRAINING

BIOTECHNOLOGY &

CONSERVATION SCIENCE



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## “FROM VISION TO REALITY”

We are a multidisciplinary company integrating living systems with science. We design, build, and maintain rainforest-inspired spaces, aquariums, and water features, backed by comprehensive training programs and applied biotechnology.

### **Research-Driven**

Grounded in scientific principles and continuous R&D in plant tissue culture and marine biology.

### **End-to-End Delivery**

From conceptual design and installation to long-term maintenance and care. Sustainability & Education Fostering talent through training programs and promoting conservation awareness.



# Business Verticals



Comprehensive nature solutions ranging from urban installations to complex aquatic ecosystems.

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## Urban Green Walls

Innovative vertical garden solutions for maximizing green space in urban environments.

## Rainforest Installations

Immersive indoor & outdoor ecosystems mimicking tropical rainforests.



## Freshwater Aquariums

Custom planted tanks focusing on biological balance and aesthetic depth.

## Marine Aquariums

Reef-ready systems supporting delicate coral life and vibrant marine species.





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Comprehensive nature solutions ranging from urban installations to complex aquatic ecosystems.

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## Natural Water Features

Streams, waterfalls, and Koi ponds designed to flow naturally with the landscape.

## Nature-Themed Venues

Biophilic design concepts for cafés, resorts, and luxury hotels.



## Experience Centres

Themed educational spaces featuring exotic plant and animal exhibits.

## Rock Structures

Artistic and structural hardscaping customized for any environment.



# TiCi Product Range



## Liquid Fertilizers and Water Conditioners

TiCi NatureLab Fertilizer provides a complete range of solutions for aquariums and hydroponics, combining essential macro and micronutrients, carbon supplements, organic boosters, vital minerals, phytohormones, and beneficial bacteria to ensure healthy plant growth, vibrant coloration, strong rooting, microbial stability, and overall ecosystem balance.



All In One Series



Hydroponics Series



PRO Series



Water Conditioner



Scan for More Details



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# Mini Living Ecosystem Terrarium



Hidden Trail



Crystal Grove Terrarium



Mystic Moss Tower



Desert Jewel Jar



Mushroom Valley



Whispering Treehouse



Rootfall Valley

Scan for  
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# Mini Living Ecosystem Phytosphere



The Verdant Nexus



Cascade of Life



The Living Canopy Series



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# Education & Skills Training Programme

**Empowering the next generation of nature experts through comprehensive, hands-on learning and scientific certification.**

01

## **Aquatic Ecosystem Expert**

Master the art of creating balanced aquatic environments. Learn water chemistry, filtration systems, and aquatic plant care for sustainable ecosystems.

02

## **Horticulture Expert**

Advanced training in plant physiology, soil health, and landscape design.

From propagation techniques to integrated pest management strategies.

03

## **Nature & Environmental Workshops**

Interactive sessions focused on sustainability, conservation biology, and ecological awareness designed for students, enthusiasts, and professionals.

04

## **Pet & Plant Expo**

A vibrant community platform connecting enthusiasts with experts, showcasing the latest in pet care, exotic plants, and nature-inspired innovations.

Developing resilient marine systems through biotechnology and sustainable breeding practices.



01

## Macroalgae & Microalgae Culture

Cultivation of diverse algal strains for water filtration and feed.

02

## Zooplankton & Live Feed

Sustainable production of rotifers, copepods, and artemia.

03

## Marine Display Systems

Design of self-sustaining, high-tech marine environments.

## Ocean Innovation

Our laboratory focuses on closing the lifecycle of marine ornamental species to reduce impact on wild populations while advancing coral reef conservation.

# Plant Division

Advanced propagation technologies  
for sustainable growth



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## Plant Tissue Culture

- **Mass Propagation**

High-volume production of genetically identical, disease-free plantlets.

- **Orchid & Aroid Lines**

Specialized protocols for rare and exotic species preservation and commercialization.

- **Hardening Protocols**

Acclimatization strategies ensuring high survival rates from lab to field.



## Microgreens Division

- **Fast-Cycle Production**

Optimized growth cycles for rapid harvest and maximum nutritional density.

- **Diverse Crop Portfolio**

Wheatgrass, Chia, Maize, Foxtail, and other high-value superfoods.

- **Protocol Standardisation**

Precise nutrient and environmental controls for consistent quality.

# Biotechnology Services

Bridging the gap between nature and technology through advanced genomics, conservation biology, and comprehensive skill development.



## Population & Wildlife

- Wildlife Genomics & Conservation Biology
- Upcoming: Training & Projects in Population Genomics
- Genetic diversity assessment for endangered species



## Genomics & Bioinformatics

- Whole-genome sequencing & assembly
- Variant discovery & reference genome building
- SNP analysis, Species ID & Metagenomics



## Applied Genomics & Skills

- Basic Genomics & Bioinformatics Workshops
- Wetlab + Drylab Skill Development
- Applied Genomics for Aquaculture & Horticulture
- eDNA & Functional Genomics for Conservation

# Laboratory Capabilities



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State-of-the-art facilities supporting the entire research pipeline from sample collection to computational analysis.



## Biotech (Wetlab)

- Media preparation & sterilization protocols
- Advanced culture workflow optimization
- Environmental biotech for water & soil health



## Genomics

- Whole-genome sequencing capabilities
- Variant discovery & population analysis
- Reference genome building & assembly



## Bioinformatics

- Comprehensive SNP analysis pipelines
- Molecular species identification
- Metagenomics & microbiome profiling



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# Why Choose Us?

We combine the artistry of nature with the precision of science to deliver sustainable, living ecosystems.

## **Integrated Nature & Biotech**

A rare convergence of aesthetic nature installations and advanced biotechnology under one roof, ensuring scientifically robust living designs.

## **Proven Research & Development**

Backed by rigorous R&D across plant tissue culture, microgreens, coral propagation, and marine systems for guaranteed success rates.

## **End-to-End Delivery**

We handle the entire lifecycle from conceptual design and build to long-term maintenance, providing a hassle-free experience.

## **Talent & Skill Development**

We don't just build; we educate. Our workshops and training programs create a pipeline of skilled talent for the industry.

## **Sustainability First**

Every project is driven by conservation goals, utilizing eco-friendly practices, captive-bred species, and sustainable materials.

## **Bespoke Custom Theming**

From rainforest cafés to luxury resort water features, we create immersive, themed environments tailored to your brand's vision.



# The Showcase

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# TiCi

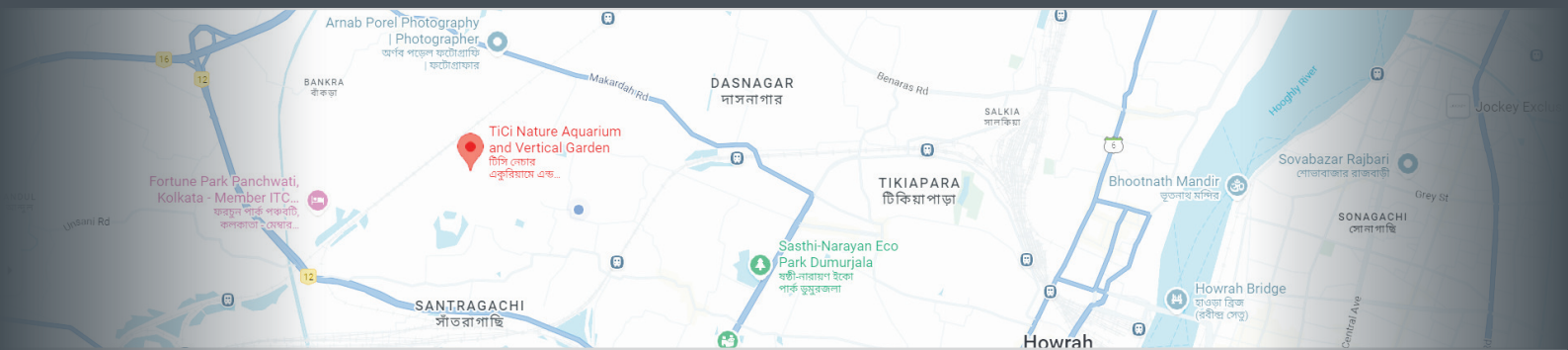
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# Thank You



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