Sustainable Future

Ecosystem Awareness, Restoration & Resilience
Introduction

How communities can be empowered?

- Building Knowledge Societies
- Sustainable Development and Innovation

How future generation can be empowered?

- Education that Transforms Lives
- Experiential Learning
- Collaborative problem-solving skills

- CHANGE IN MINDSET
- CURRICULUM REVISION

OWNERS OF CHANGE

RESPONSIBLE CITIZENS
Live-in-Labs® is designed to expose youth to problems faced by rural communities in India. Through experiential learning opportunities, the program aims to inspire innovation through empathy and the application of knowledge while developing collaborative problem-solving abilities of participants.

The program emphasizes on mutual sharing and learning. It is designed as a two-way model which encourages students to be open to "other ways of thinking".

Live-in-Labs® Inauguration
A multidisciplinary, theory–into–practice program, that facilitates the research, development, and deployment of sustainable solutions for current challenges faced by rural communities in India.
THEMATIC AREAS

- Energy & Environment
- Water & Sanitation
- Health & Hygiene
- Livelihood & Skill Development
- Education & Gender Equality
- Waste Management & Infrastructure
- Agriculture & Risk Management
Locations

- 27 States
- 150+ Villages
- 200,000 People
Unique Opportunity

INTERNATIONAL STUDENTS
AMRITA STUDENTS
FACULTY & STAFF
SEED GRANT RECIPIENTS
AMBRA Serve
MEDICAL
BUSINESS
TECHNICAL
SOCIAL & CULTURAL
LIVE
EXPLORE
DESIGN
TEST
IMPLEMENT
EVALUATE
SUSTAINABLE SOLUTION
A Movement Towards Development for All

- Energy & Environment
- Water & Sanitation
- Health & Hygiene
- Livelihood Skill & Development
- Education & Gender-Equality
- Waste Management & Infrastructure
- Agriculture & Risk Management
Smokeless Cook Stove (32 households)
Toilet Building (360 beneficiaries)
Water Distribution System (62 households)
IoT based Mushroom Cultivation (40 farmers)
PM Kaushal Vikas Yojana (30+ women trained)

Health
Sanitation
Water
Livelihood
Skill Development

Engineering
Biotechnology
Social Science
Management

Guptapada
Orissa

UCDAVIS
UNIVERSITY OF CALIFORNIA

MANCHESTER
1824
The University of Manchester

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE
**Chancellor’s Initiatives**

### Ecosystem Restoration
- Clean Drinking Water through JivaMritham Project
- Water Distribution Systems
- Water-wise communities
- On-farm reservoir for sustainable agriculture
- Cleanliness Drives
- Amala bharatam Campaign
- Awareness for school children via distribution of handkerchiefs
- Environmentally friendly sanitary pads with banana fiber
- Distribution of free seeds
- Organic kitchen gardens
- Tree Plantations with Green Friends
- Being rooted to culture via initiatives like Vishu Kaineetam

### Hazard Resilience
- Self help group with 300,000 women for additional income generation activities
- Reskilling community after tsunami by providing skill development
- Educating children with scholarships
  - Live-in Labs Program
- Enhanced early landslide warning dissemination
- Offshore communication system to combat emergencies via Internet for fishing community
  - Flood Evacuation
- Tracking and localizing energy resources and building energy generators
- Solar Microgrid at Wayanad
- IoT for water distribution and irrigation

**Other Initiatives**
- 100,000 Beneficiaries JivaMritham Project
- 10,000 Saplings
- More than 1 Million Trees Planted
- 300,000 women in SHG
- USD 75,000 in Disaster Relief
- 100,000 homes for homeless
ENERGY

Rural Electrification Through Solar PV Microgrids

Micro-Hydro Power For Tribal Village

E-Cycle: An Off-Grid Solution For Rural Electrification

Biofuel Energy For Rural Electrification
WATER & Sanitation

Sustainable Micro Water Distribution Systems
Modular Community Water Purification Systems
Jivamritam
Sanitation Model For Open Defecation-Free Villages
Plastic Waste to Bricks to Build Toilets

IoT-Based Dumpsite Restoration

Compressed Earth Block Technology for Rural Houses

Waste to Wealth Fertigation
Social Transformation in India

**JIVAMRITAM** - Clean Drinking Water for Rural India
- $145 million in funding for 10,000 villages

**WOMEN EMPOWERMENT**
- 4,000+ women trained in vocational education & life enrichment education - outreach to 300,000+ women

**HEALTH CARE**
- Free health care services provided to over 3 million patients worth over $72 million

**Live-in-Labs** - Experiential Learning in Rural India
- 165+ Projects
- 700,000+ Field Hours
- 200,000+ Beneficiaries
- 30+ International Partner Universities

**REINVENT THE TOILET CHALLENGE: INDIA**
- Grant by the Bill & Melinda Gates Foundation

**AMALA BHARATAM CAMPAIGN**
- Nationally recognized sustainable waste management campaign
THANK YOU