EDGEFX
TECHNOLOGIES

Build what matters.
Build it well.
Build it for real use.

EDGEFX TECHNOLOGIES | EdTech & Skill Solution Provider

Aligned with **Samagra Shiksha Abhiyaan** | **PM SHRI** | **NEP 2020**

MESSAGE FROM CMD

“At EdgeFX, we exist to do one thing well: help people actualize and maximize their potential. Every solution we create must serve real learners and real outcomes. We are building experiential, applied, future-ready technology.”

Our mission:

To become a leading EdTech & Skill Solution Provider

We believe in:

Ownership | Excellence | Purpose-driven innovation

Let’s build what matters.
-Kamini Gupta

About EdgeFX

30+ Years Experience

120+ Countries

Government Trusted | Award Winning

What We Do

600+ Learning Solutions

STEM | AI | Robotics | IoT | Manufacturing

Labs, Platforms & Skill Programs

Impact

Future-ready learners ↗

Innovation mindset

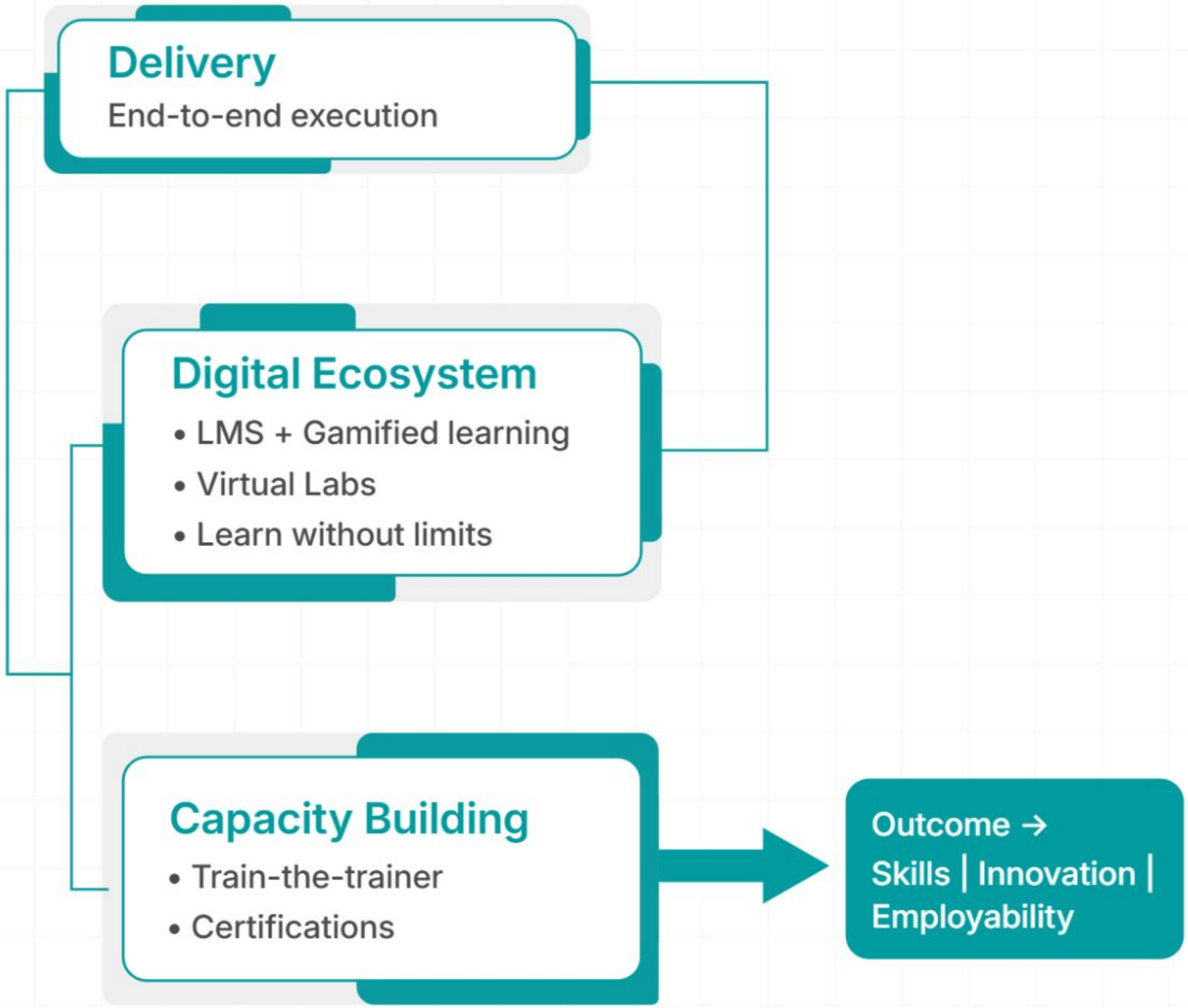
Industry-aligned skills

The Anchor

Vision: Empower learners through real-world innovation

Mission: Deliver experiential learning as a leading Edtech & Skill Solution Provider

Delivery Engine Flowchart



Solutions Portfolio Summary

School Education

Skill Labs

Digital Hardware & Software

Vocational Education

Science Labs

Digital Programs

Inclusive Education

Kits

Training

Miscellaneous

Equipments

Learning Experiential Platform (LEP)

Gamified Digital Content Ecosystem

Solutions Portfolio: Tech & Skill Labs

Fixed Labs

Structured innovation environment

Mobile Labs – Infinity Work Station

Innovation. Anywhere.

Solutions Portfolio: Tech & Skill Labs

STEM Tinkering

Build. Experiment. Innovate.

Aeromodelling & Drone

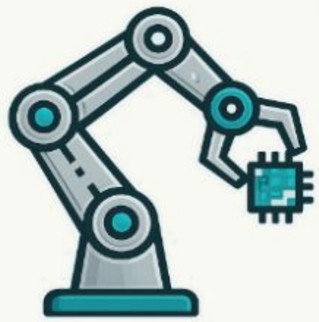
Design. Fly. Explore.

NCVET Aligned

AIoT Lab

AI + IoT integration

NCVET Aligned

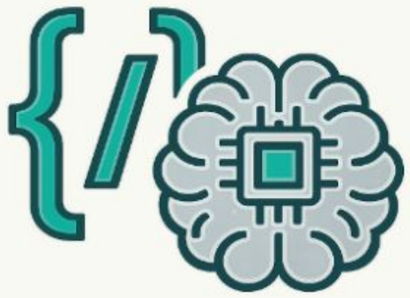


Robotronics Lab

Electronics + Robotics systems

Solutions Portfolio: Tech & Skill Labs

ISRO Aligned

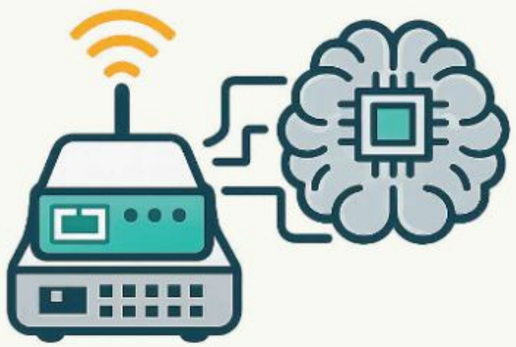


AI Coding Robotics

Logic to intelligence

Astronomy Lab

Space science learning



EdgeAI Lab

Real-time AI and edge computing

STEM IoT

Connected ecosystems

Solutions Portfolio: Tech & Skill Labs

Foundational Skills

Science Labs
Exploring scientific concepts

SUPW
Skill-based learning

Coding Without Computers
Logic-first approach

English Language Lab
Job-ready training

Advanced Tech & Prototyping

AR VR Lab
Skill-based learning

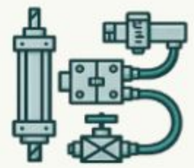
Advanced Manufacturing
Industry exposure

Additive Manufacturing
3D prototyping

Skill Labs
Job-ready training

Industrial Automation

PLC Automation
Industrial control systems



Pneumatics
Japanese technology systems

Discovering AI Programme
AI for All

Home Automation
Smart living systems

Solutions Portfolio: Tech & Skill Labs

Infinity Labs™

Innovation is not a room. it's a system

Traditional Labs

- Tool-centric
- Fixed & limited use

How it Works

Learning | Teachers | Infrastructure

- Experiential cycles
- Curriculum aligned
- Mobile
- Kits & tools

Explore → Build→ Apply→ Reflect

Infinity Labs

- System-driven
- Continuous learning
- Teacher-enabled
- Mobile & flexible

Designed for Real Schools

- ✓ No fixed lab required
- ✓ Classroom-to-classroom mobility
- ✓ Curriculum integrated
- ✓ Shared across grades

Outcome: Future-ready learners with innovation & real-world skills

Solutions Portfolio: Physical Hardware & Kits

Kits

STEM Electronics Tinkering, Design and Prototyping Kit

STEM Arduino Coding Tinkering, Design and Prototyping Kit

STEM Robotics Tinkering, Design and Prototyping Kit

Art Kit with Virtual Login with Digital Content

Stationary Kit

Experiential Learning Kit

AI Series Bots

Equipments

ISRO Aligned

Disaster Management Equipments

Sanitary Pad Vending Machine

Tinkering and Robotics Equipments

ATL Equipments

Sports Equipments

Solutions Portfolio: Digital & Educational Ecosystem

Digital Hardware and Software

Personalised and daptive LMS with Teaching/Learning Platform with Mobile App

ICT/SMART/Tablets

STEM Preloaded Tablet

ICT Equipment

Digital Programs

Teaching Learning Digital STEM Licence

AI/ML Digital Program

Discovering AI (AI for all)

Vocational Education

Vocational Skill Education Equipments and Furniture

Vocational Skill Training for Teachers

Hands-on Skill Training for Students

Solutions Portfolio: Digital & Educational Ecosystem

Teaching Learning Material & Equipment

- Teaching Learning Material (TLM) for implementation of innovative pedagogy
- Teaching Learning Material (TLM) for children
- Stationary and other Education Material
- Teaching Learning Material (TLM) Equipment
- Activity Handbook
- Teacher Resource Material

Inclusive Education

- Inclusive Education/ CwSN Kits
- Equipments for Resource Room
- Instruction and Training Material
- Development of Digital Content
- Training of Special Educators
- Business Innovation/ Entrepreneurship
- Braille Stationary Material
- Assistive devices, Equipment and TLM
- Aids and Appliances
- Teacher Training for CwSN

Solutions Portfolio: Learning Experiential Platform (LEP)

Bridging Physical Labs with Digital Intelligence

The Future of NEP-Aligned Education

A personalized and adaptive learning ecosystem that seamlessly integrates physical labs with a powerful digital LMS, driving experiential and outcome-based learning.

Adaptive Learning
Personalized student pathways

Omnichannel LMS
Seamless Web & Mobile App access

Role-Based Access
Tailored portals for Admins, Teachers & Students

Smart Analytics
Real-time performance dashboards

Gamification
Leaderboards & engagement tracking

Assessments
Automated grading & certification

Sequential Paths
Guided learning journeys

Live Tracking
Attendance & progress monitoring

For Educators

- Comprehensive training videos & manuals
- Weekly online training
- Seamless classroom integration support

AI-Powered Capabilities

- AI Text-to-Image generation
- Dynamic concept visualization
- Multilingual support

For Students

- Gamified engagement
- Self-paced learning modules
- Automated certifications & rewards

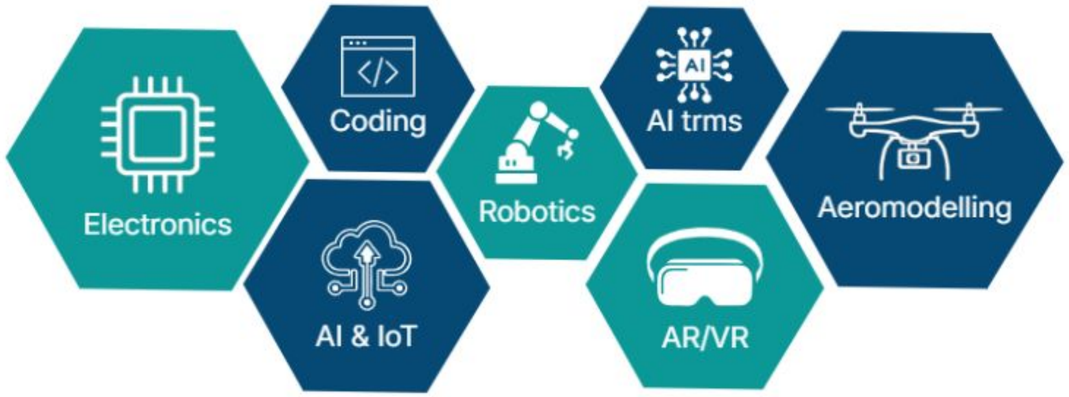
Structured, measurable, and engaging experiential learning powered by LMS, Virtual Labs, and Gamification

Solutions Portfolio: Gamified Digital Content Ecosystem

Learning Through Play, Practice, and Innovation

Experiencing Industry 4.0

A comprehensive gamified learning environment integrating STEM,AI, and Robotics. We merge high-fidelity virtual labs with interactive simulations to bring complex concepts to life.



Gamified Learning Formats

- Interactive Videos
- Smart Flash Cards
- Drag & Drop Exercises
- Crosswords & Word Games
- Hotspot Activities
- Quiz Challenges
- Game-based modules

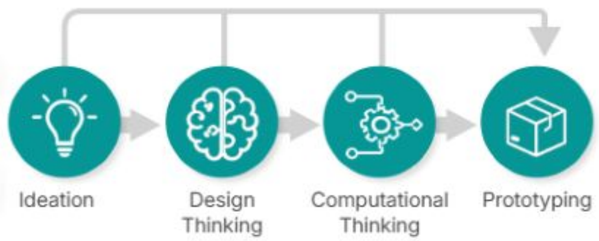
Virtual Labs

Electronics: 75+ hands-on breadboard and PCB projects.

Coding: Extensive library of Arduino-based programming challenges.

Robotics: Step-by-step, real-time physical robot builds.

Aeromodelling: Design and assembly of RC planes and drones.



From virtual simulation to real-world innovation - enabling Industry 4.0 learning

Case Study I: Advancing Space Science

Astronomy Lab Training Process Architecture - Samagra Shiksha, Delhi (Feb 2026)

13
Districts Covered

100
Schools Upgraded

160
Teachers Trained

365 Days
2 days Intensive Hands-on Format
Weekly Online Sessions

Focus:
Transforming theoretical astronomy into inquiry-based classroom demonstrations.

Process Architecture

1. **Input:** Interactive discussions + Live demonstrations of complex phenomena (day/night, lunar eclipses, universal time zones).
2. **Action:** Hands-on equipment assembly and operation.
3. **Output:**
Teachers equipped with activity-based lesson ideas to spark scientific curiosity.

Case Study II: Implementing Innovation at Scale

Atal Tinkering Labs – Telangana (Government Schools)

33	593	1800	365 Days
Districts Covered	Schools Upgraded	Teachers Trained	2 days Intensive Hands-on Format Weekly Online Sessions

Implementation Mechanics:

- Deployed via the 3-Teacher Sustainability Model.
- Executed in a Cluster Format (5 Schools per Batch) to ensure quality mentoring and high-touch exposure.

Case Study III: Redefining Productive Work

SUPW Teachers Training Program (Socially Useful Productive Work)-Himachal Pradesh

55	993	1566	30 Days
Districts Covered	Schools Upgraded	Teachers Trained	Intensive Hands-on Format

Traditional SUPW

Informal, unmeasured, isolated activities, lacking defined outcomes or academic integration.

EdgeFX Standardized Framework (Powered by supw.edgefxtech.com)

EdgeFX SUPW

- Structured curriculum and lesson planning.
- Measurable learning objectives.
- Direct integration with Science, Art, and Life Skills.
- Digital assessment and activity documentation.

The Science of Craft

Integrating theoretical STEM concepts through physical creation.

Module 1: Tie-Dye Fabrication
Integrating theoretical STEM concepts through physical creation.

Module 2: Melt & Pour Soap
Science Link: Physical State Change (Solid-Liquid-Solid) & Basic Chemistry.
Outcome: Hygiene & Product Creation.

Module 3: Clay Sculpting
Science Link: Spatial Reasoning & Subject Reinforcement (Geography/ Biology).
Outcome: Abstract concept clarity.

Module 4: Best-Out-Of-Waste
Science Link: Environmental Responsibility & Sustainability.
Outcome: Eco-friendly problem solving.

Case Study IV: State Curriculum Integration

STEM Robotics Lab Tamil Nadu (Government Schools)

100

Teachers Trained.

365 Days

2 days Intensive Hands-on Format
Weekly Online Sessions

Progression Staircase

Curriculum Architecture: Aligned strictly with the official TN SCERT framework.
Structure: 50-Session Year-Long Academic Plan.

Class 9: Advanced Robotics Mechanisms & STEAM Projects

Class 8: Arduino Programming & Automation Logic

Class 7: Sensors & Microcontrollers

Class 6: Electronics & Circuits

Inaugurated by Hon'ble Education Minister, representing a historic milestone for STEM in TN.

Case Study V : Implementing Innovation at Scale

SITC Robotics Lab Training – Brihanmumbai Municipal Corporation (BMC, Maharastra)

36
Districts Covered

175
Schools Upgraded

525
Teachers Trained

3Years
5 days Intensive Hands-on Format
Weekly Online Sessions

SITC Operational Blueprint

Supply:
Delivery of STEM workstations, Robotics kits, and dedicated Lab Trolley Systems for mobility.

Installation:
Complete lab setup and electrical safety verification.

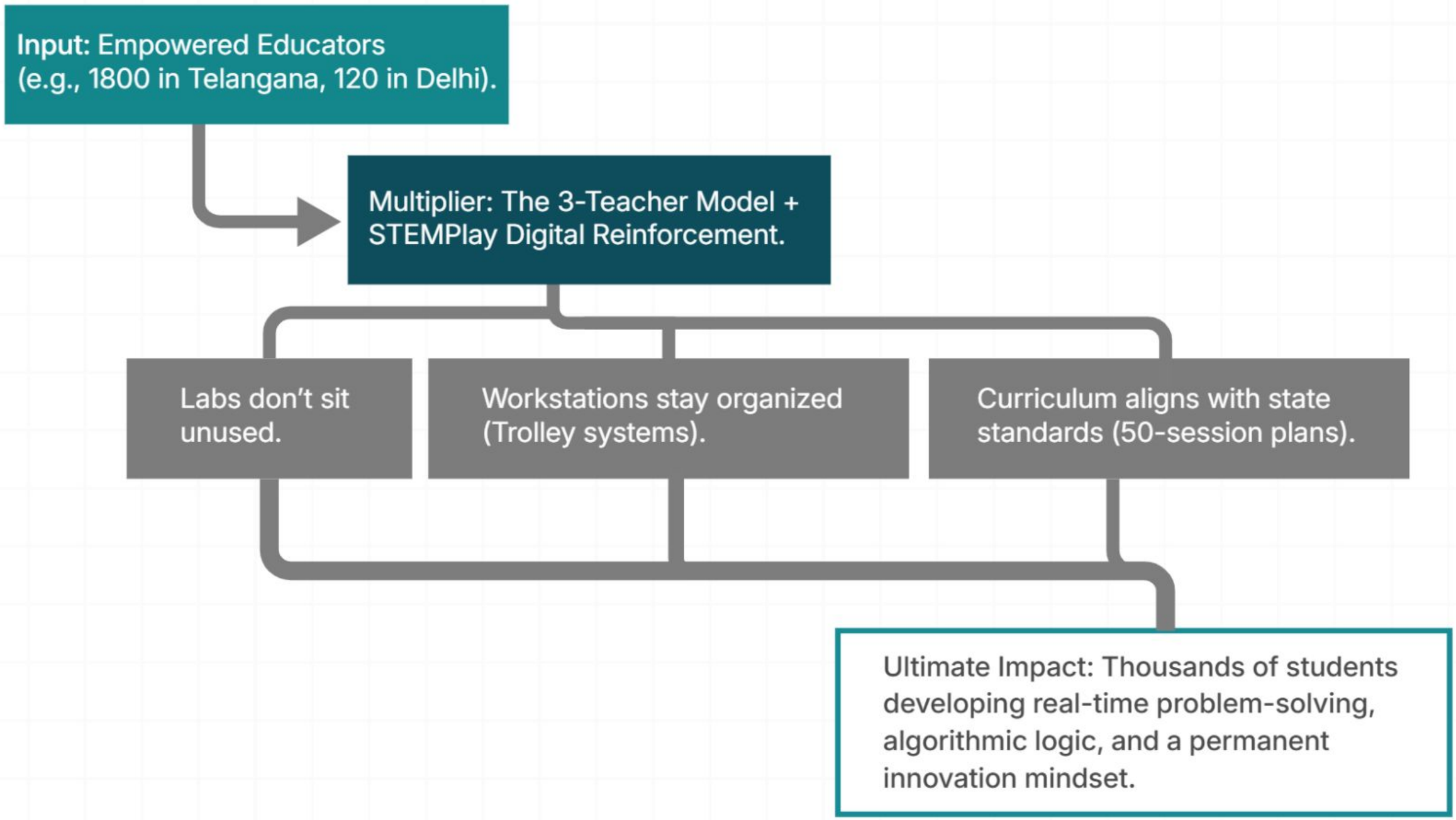
Training:
The Concept → Demo → Hands-on →Virtual Integration methodology.

Commissioning:
Readiness verification and handover documentation.

Localization Note: Facilitator guides provided in English, Hindi, and Marathi to guarantee seamless adoption.

The Multiplier Effect

Building Sustainable Ecosystems, Not Temporary Installations.



Strategic Affiliations

Ministry of Rural Development

Ministry of School Education

NSDC

Ministry of Technical Education

Ministry of Skill Development and Entrepreneurship

Collaborate with EdgeFX: Build the Future of Learning Together

Who We Work With

- Government & Departments
- System Integrators
- CSR & Foundations
- Industry & Academia

What We Bring

- Proven EdTech Infrastructure
- End-to-End Execution
- Scalable Lab + Digital Models
- NEP / PM SHRI Aligned

Partnership Models

Co-Create | Co-Implement | Co-Fund | Co-Scale

Future-Ready Learners | Innovation Ecosystems | Industry-Aligned Skills | Measurable Impact

Let's Build What Matters

Engineered for Impact.

Integrating policy, infrastructure, and skills
to build future-ready innovators.

Partner with EdgeFX to enable large-scale technical
transformation across institutions.

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