

VOL. 01 · 2026 EDITION

Preparing People and Organizations for the AI Era

Executive Impact Report & Program Guide 2026

AI READINESS · WORKFORCE DEVELOPMENT · INNOVATION LEADERSHIP



Scan to explore STEMX

Preparing Schools, Universities and Organizations for the Future of Work

STEMX is a global organization helping schools, universities, enterprises and communities prepare people and organizations for the AI era. We translate research, frameworks and lived enterprise practice into measurable transformation across three strategic pillars.



The Future of Work Is Already Here

Four data points executives cannot ignore. AI adoption, skills displacement and STEM demand are no longer projections — they are happening now.

39%

Skills expected to change by 2030

World Economic Forum · Future of Jobs Report 2025

[Source ›](#)



75%

Knowledge workers already using AI

Microsoft · Work Trend Index 2024

[Source ›](#)



8.1%

Projected STEM occupation growth

U.S. Bureau of Labor Statistics · Employment Projections 2023–33

[Source ›](#)



92%

Jobs requiring digital skills

World Economic Forum · Future of Jobs Report 2025

[Source ›](#)



Why STEMX

An institute-grade combination of educational expertise, enterprise practice and innovation track record.



Educational Expertise

20+ years across K-12, higher education and continuing education.



Enterprise Experience

Digital transformation programs delivered for national-scale organizations.



AI Readiness

Proprietary AI maturity framework with assessment and roadmap.



Workforce Development

Future Skills Framework aligned with WEF and global research.



Innovation Leadership

100+ startups developed, 287 incubated, 5+ national awards.



Proven Impact

4,064 people reached, 2,377 stakeholders engaged, 800+ students impacted.

AI Readiness Maturity Framework

A five-stage roadmap from initial awareness to AI-driven innovation — the operating model behind every STEMX engagement.



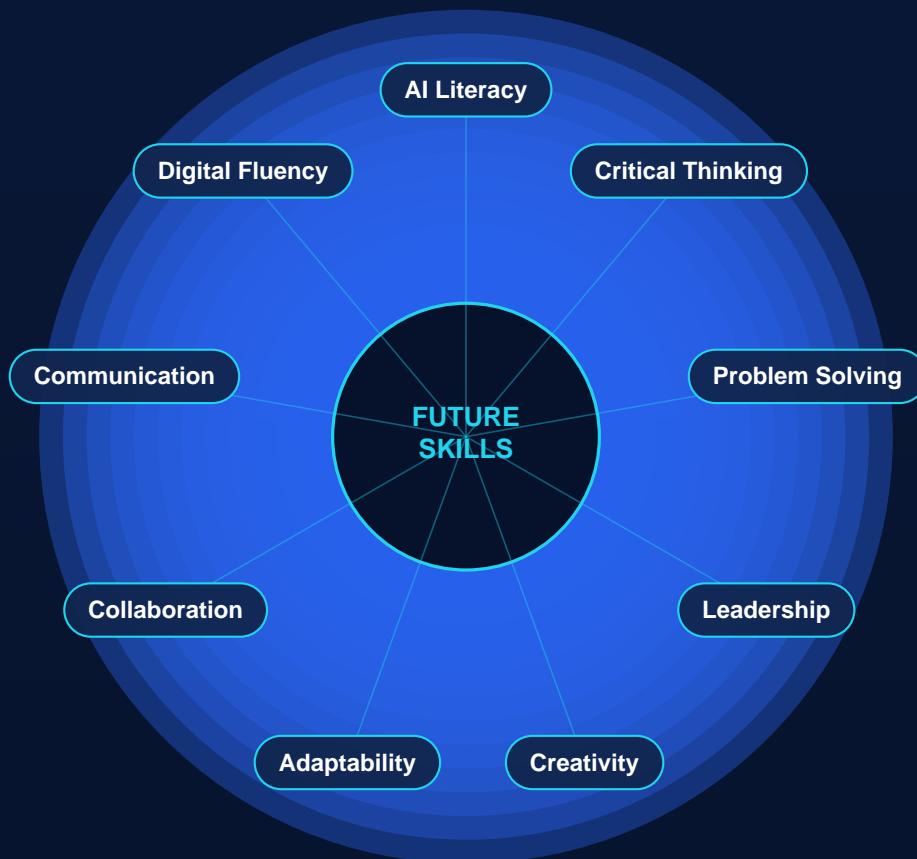
MATURITY →

← INNOVATION

STEMX accompanies each stage with assessment, capability building and transformation playbooks.

Future Workforce Development

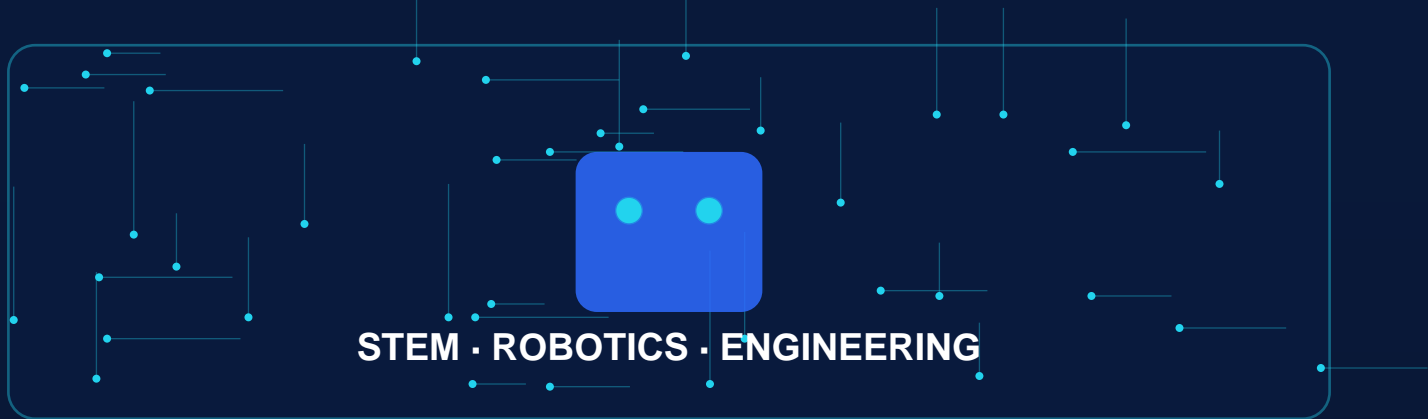
Future Skills Framework — the nine capabilities that define employability and leadership in the AI era. Aligned with the World Economic Forum Future of Jobs Report 2025.



Source: World Economic Forum · Future of Jobs Report 2025

STEM & Robotics

Hands-on, challenge-based learning environments that build engineering mindset, computational thinking and innovation confidence.

**01****Engineering
Design****02****Maker
Education****03****Computational
Thinking****04****Innovation Labs****05****Challenge-Based
Learning**

Innovation Challenge Experience

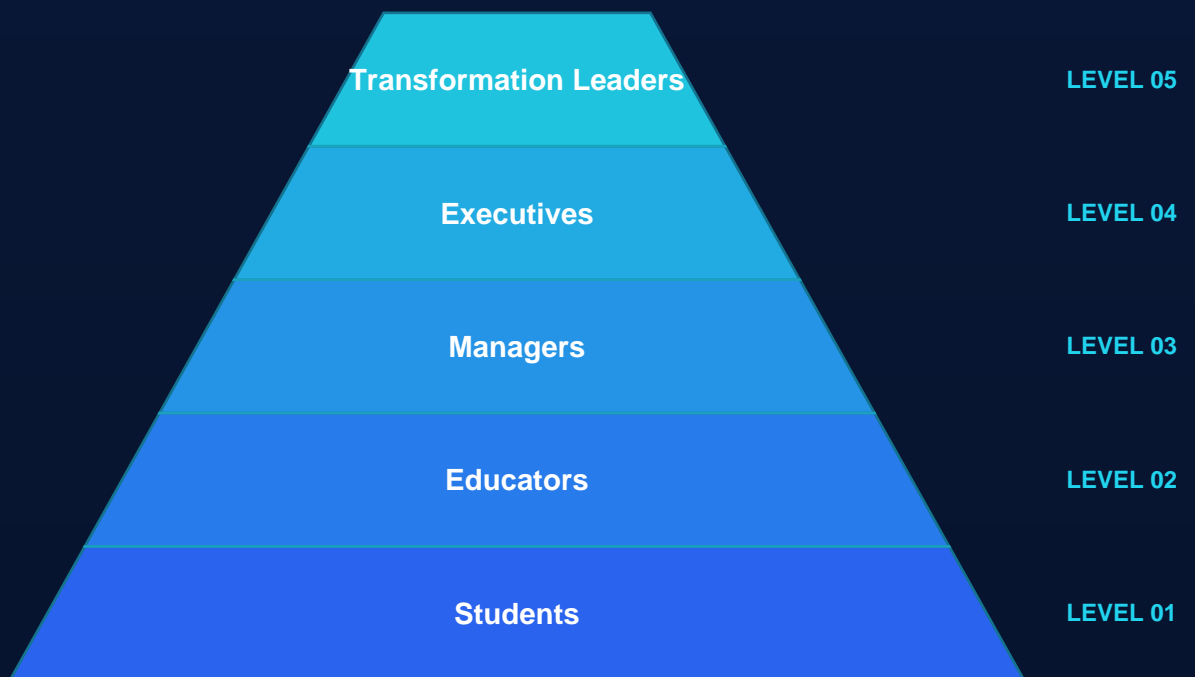
A six-stage journey turning learners into builders — proven through 100 startups developed within Inspira Startup.



Proven outcomes from the Inspira Startup ecosystem · National Award winner (PNGE).

Leadership Development

A five-level capability pyramid that turns students into transformation leaders.



Impact at Scale

An end-to-end pipeline of innovation outcomes — from startup creation to national reach.

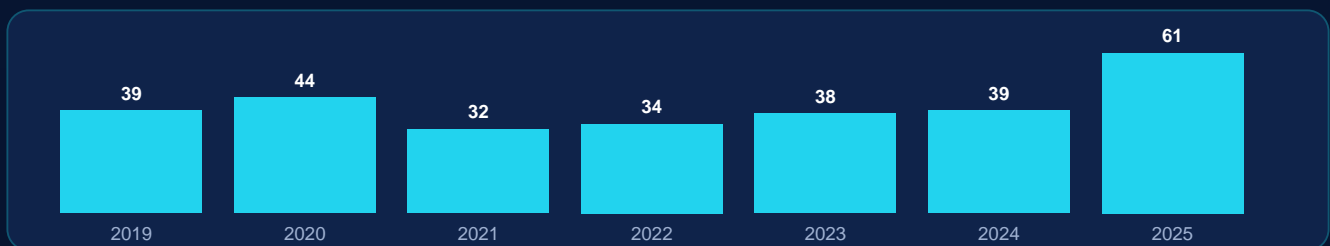


Impact Dashboard

A consolidated view of STEMX activity across education, innovation and workforce development.



Trajectory



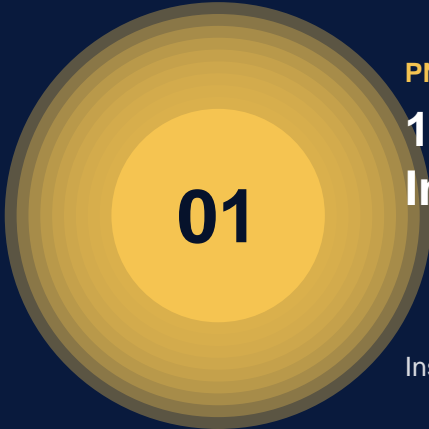
Startup Pipeline

Annual cohorts of startups incubated through STEMX innovation programs.



287 Startups Incubated · 2019–2025

Trend: 56% year-over-year growth in 2025, signaling accelerating demand for entrepreneurial education and AI-readiness programs across institutions.



PNGE 2024 · NATIONAL AWARD

1st Place — National Educational Innovation Award

Inspira Startup — Award-Winning Innovation Ecosystem (PNGE 2024)

100

Startups developed

57

Companies engaged

41

Expert sessions

70

Evaluators

2,377

Stakeholders

TEDx · THOUGHT LEADERSHIP

Decisions Shape the Future

TEDx Talk by Dr. Débora Machado · Decision Intelligence in the AI Era

“

AI amplifies either vision or chaos.

— Dr. Débora Machado · TEDx Speaker

A thought-leadership perspective on how leaders must develop decision intelligence, ethical clarity and human-centered judgment to harness AI as a multiplier of strategic vision rather than operational entropy.

Decision Intelligence

AI Ethics

Human-Centered AI

Recognition & Impact



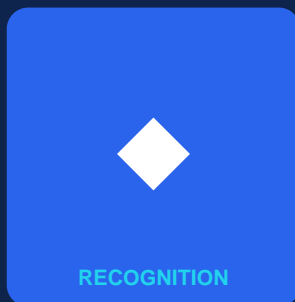
Google for Startups · Finalist

4,064 people impacted · 74.5% employability increase · 78.2% women empowered through technology.



Project Cria+Ação

37 public schools engaged · 788 students impacted through entrepreneurial education.



STEM Racing Leadership

Chief Judge at National Finals · 44 finalist teams · 243 students.

Meet the Experts



DM

Dr. Débora Machado

Educational Innovation Leader

- TEDx Speaker
- National Award Winner (PNGE)
- Google for Startups Finalist
- 100+ Startups Developed
- Higher Education Executive
- AI Literacy Specialist



DM

Dr. Danilo Machado

Digital Transformation Leader

- Enterprise Agile Coach
- Future Workforce Strategist
- Leadership Development
- AI Readiness
- Workforce Transformation
- Organizational Change



DR

Douglas dos Reis

STEM Innovation Leader

- Robotics
- Engineering Design
- Maker Education
- Challenge-Based Learning
- Future Skills
- STEM Racing Mentor

Program Portfolio

Five flagship solutions designed to advance organizations across the AI Readiness Maturity Framework.

AI Ready Organization™

EXECUTIVES & TEAMS · 8–16 WEEKS · WORKSHOPS · COHORTS · ADVISORY

AI maturity assessment, literacy curriculum, governance playbook.

Future Workforce Accelerator™

HR & L&D LEADERS · 12 WEEKS · LIVE · HYBRID · ON-SITE

Reskilling tracks aligned with the Future Skills Framework.

Innovation Challenge Experience™

SCHOOLS & UNIVERSITIES · 8–24 WEEKS · BOOTCAMPS · PROGRAMS · EVENTS

Six-stage journey from discovery to scale; 100+ startups developed.

STEM & Robotics Labs™

K-12 & HIGHER ED · ANNUAL · LABS · CURRICULUM · MENTORING

Engineering, robotics, maker education and computational thinking.

Leadership Development Programs™

MID TO C-SUITE · 6–12 WEEKS · EXECUTIVE · COHORT · COACHING

Decision intelligence, AI-era leadership and transformation capability.

Build Your AI-Ready Organization

Talk to STEMX about your AI readiness, workforce or innovation challenge.

OPTION 01

Schedule a Discovery Call

30-minute executive briefing



OPEN ›

OPTION 02

Request a Pilot Program

Custom design for your organization



OPEN ›

OPTION 03

Partner with STEMX

Strategic alliances and ecosystem



OPEN ›

OPTION 04

Download Program Guide

Share with your leadership team



OPEN ›

STEMX · 2026

STEMX is a globally relevant AI Readiness and Future Workforce Development organization with measurable impact, award-winning innovation and recognized thought leadership.