2024 SEASON UPDATE

TECHNOVATION





31,000
GIRLS REGISTERED



11,000
GIRLS CREATED AI & TECH SOLUTIONS

2024: Technovation's Biggest Season Ever!

We are very proud to report that the 2024 season set a new record, and we saw over 40% growth year over year.



150,000
VOLUNTEER HOURS



3,200
AI & TECH SOLUTIONS DEVELOPED BY GIRLS

2024 Season Impact

70%

70% of students report greater self-confidence and self-efficacy

87%

87% of Technovation Alumnae 18+ plan to or are studying STEM degrees



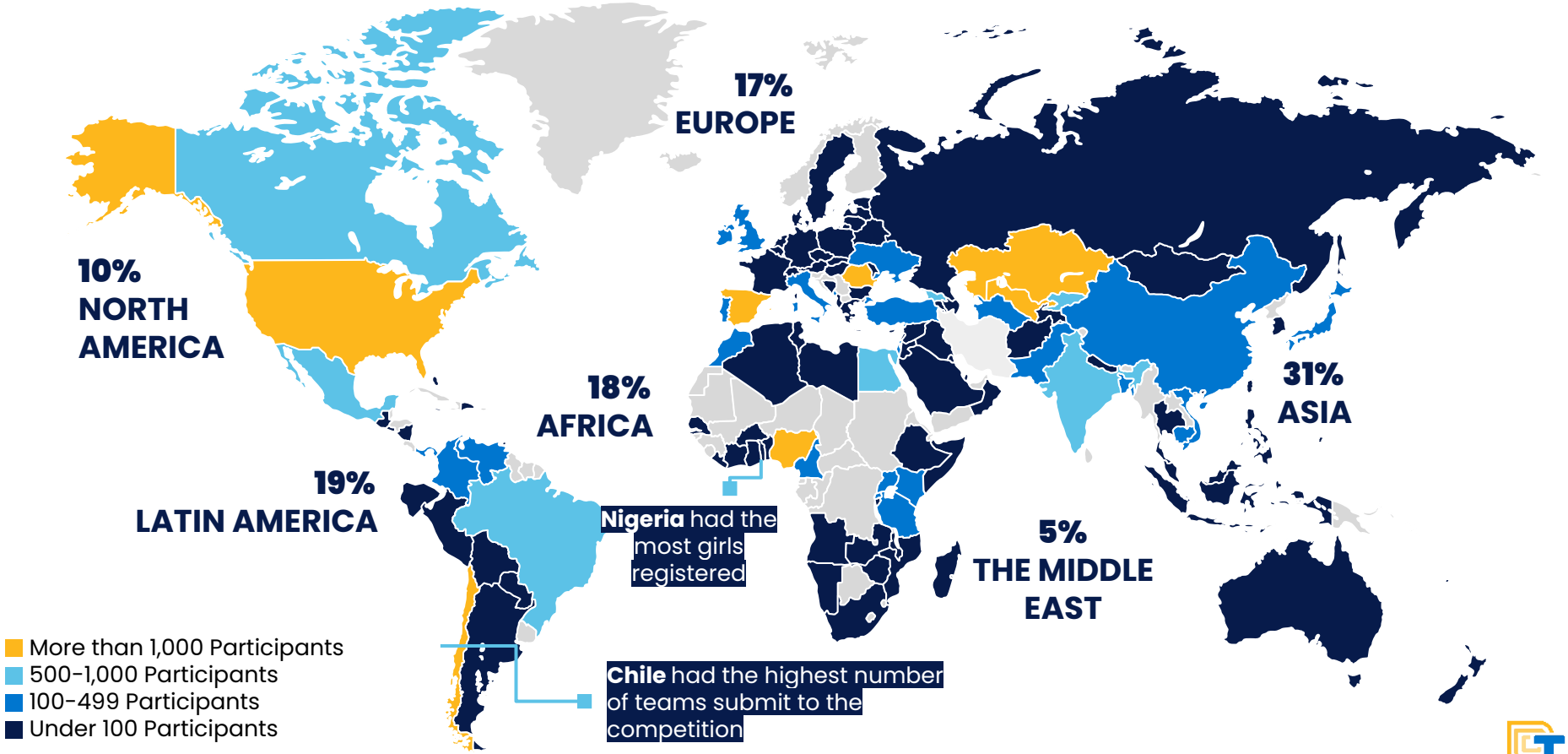


"The greatest skill I ever learned through Technovation was how to learn.

Once you figure out that you can learn anything and once you figure out how to learn anything, you become unstoppable."

— Michell Muchilwa,
Technovation Alumna from Kenya

Technovation Reached Over 31,000 Girls in 2024



Highlights from the **2024 Season**



Additional Artificial Intelligence Resources

Updated and expanded lessons on artificial intelligence, including additional technical units on real-world AI-project examples from alumnae

Engaging, accessible curriculum

Published more interactive version of curriculum and offered translations into 11 languages.

Community Building: Ambassador Retreats

Hosted two retreats that brought together Chapter Ambassadors (who lead the program locally in their communities); one in Latin America, and one in North America.

AMBASSADOR RETREAT

9 AMBASSADORS FROM 6 COUNTRIES 2 DAYS OF LEARNING COLLABORATION

TECHNOVATION Latin America Retreat BOGOTÁ



" I feel that **we built more trust among ambassadors**, shared various ideas that will help us with the development of our regional programs, and **filled ourselves with energy and enthusiasm.** "
– Ambassador from México

AMBASSADOR RETREAT



14 AMBASSADORS FROM 10 STATES
2 DAYS OF LEARNING COLLABORATION

"**I am ready to dig in** and start early with a **MUCH better idea** of how to do so."
– Ambassador from US

TECHNOVATION
U.S. Ambassador Retreat
'24
PITTSBURGH



MEET OUR LOCAL PARTNER IN TANZANIA

Kelvin Paul is a social entrepreneur with a passion for STEM education. After securing a number of prestigious science and technology grants, he hit the ground running with Technovation.

He's mentored seven teams, while also developing portable science kits to reach more than 8,500 students in 200 schools in Tanzania. His experience as a new father emphasized how important it is to support girls in STEM education and to challenge societal gender norms.

“In an African context, especially in Tanzania, females are used to being the center of transferring knowledge to generations, that's why we have a Swahili saying, "Ukimuelimisha mtoto wa kike, umeelimisha jamii" meaning if you educate a girl, you have educated the community.”

REACHING GIRLS IN UNDERSERVED COMMUNITIES



59% of participants are from low or middle income countries
Based on 2022 data from the Worldbank

58% of participants attend schools that do not teach coding

19% of participants do not have regular or reliable access to the internet

86% of participants in the US and Canada identified as a race/ethnicity other than Caucasian

THANK YOU TO OUR VOLUNTEERS

Mentors



Mentors guide teams for 2+ hours weekly for 12 weeks from January to April, through the process of developing a technology solution for a real-world problem.

Coaches



Coaches meet once during the season to offer expertise in areas like ideation, coding, AI, business planning, or pitching.

Judges



Judges review final projects and provide encouraging and constructive feedback based on Technovation's rubric, with a commitment of 3+ hours in May and June.



Powered by 6,000+ Volunteers

4,000 **Mentors** supported teams

2,300 **Judges** gave feedback to teams

130 **Chapter Ambassadors** ran the program locally in their communities

115 **Student Ambassadors** supported girls to complete the program

66 **Club Ambassadors** ran the program locally in their communities

33 **Coaches** helped teams troubleshoot specific problems in 1:1 sessions

VOLUNTEER IMPACT



96% of volunteer mentors reported an increase in their sense of purpose and fulfillment after volunteering with Technovation

"Serving as a judge provides me with a front-row seat to witness the creativity and potential of tomorrow's leaders, builders, and entrepreneurs.
-Judge, 2024



98% of volunteer mentors reported an increase in work-related skills like leadership, project management, and mentoring

MEET MAIKO FURUSE, CHAPTER AMBASSADOR FROM JAPAN

And one of four 2024 Global Ambassador Leadership Award Winners

Maiko recruited girls from all 47 states, ensured equal access to tech, and organized an amazing Regional Pitch Event in Tokyo with important business and government organizations.

She also made incredible connections with other chapters: **"We organized joint workshops with the Mexico chapter, where Japanese and Mexican participants exchanged cultural insights and project ideas. This collaboration not only broadened participants' perspectives but also encouraged innovative thinking."**



TECHNOVATION TEACHES GIRLS
THE SKILLS OF THE FUTURE

Technology Use & Development

- **75%** of participants reported increased confidence in coding and programming
- **70%** of participants reported increased confidence or knowledge in their ability to create and train an AI model.

Resilience & Learning

- **61%** of participants reported increased confidence in their ability to impact their community
- **70%** of participants reported greater self-confidence and self-efficacy



Problem-Solving & Entrepreneurship

- **76%** of girls increased their knowledge in steps needed to start a business
- **61%** of participants reported increased confidence in problem-problem solving skills

Working with People

- **60%** of girls reported increased confidence in their communication skills
- **57%** of participants increased their ability to work on a team

*Impact data taken from Technovation's 2024 program surveys

REGIONAL PITCH EVENTS



Nigeria



40 Regional Pitch Events were held in **16 countries,** making it possible for **1,748 teams** to pitch their ideas live to local peers and judges

Regional Pitch Events were held in:
Brazil, Canada, Chile, Georgia, Ireland, Italy, Kazakhstan, Mexico, Nigeria, Panama, Portugal, Romania, Spain, Turkmenistan, the United States, and Venezuela



Kazakhstan





Portugal



BEGINNER DIVISION
FINALIST TEAMS

TEAM
H.K.-kittens
MEXICO
With You is built for children who are home alone. It offers emergency numbers and instructions for handling dangerous situations and a chat feature.



TEAM
Motivational Girls
SPAIN
TermoEmotion helps children express their emotions to adults through games and direct lines of communication. It offers AI-assisted coping strategies and motivational content.



TEAM
Smart Elite
NIGERIA
AgriConnect aims to address the food crisis in Nigeria by making it easier for communities to produce their own food. It connects farmers, landowners and seedling sellers.



TEAM
Go code
SPAIN
BookaBook is designed to facilitate eco-friendly reading. It incorporates an ISBN scanner, a place to discuss and organize exchanges, and a chatbot linked to OpenAI.



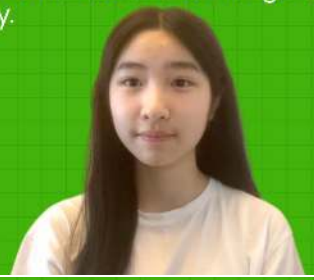
TEAM
DigiDaisies
KAZAKHSTAN
IHear is a mobile app developed for children with cochlear implants. It helps these children feel included through picture glossaries, animations, AI image recognition, and engaging simulations



JUNIOR DIVISION
FINALIST TEAMS

TEAM
Vision Guardians!
CANADA

SafeCross is AI powered and helps visually impaired pedestrians. Users hold their phone at an intersection and receive instructions to navigate traffic safely.



TEAM
Mars Africa
KENYA

Malarax is an educational game for young children to help prevent the spread of malaria through interactive games and learning.



TEAM
Las Technostars
SPAIN

LEO is designed for children and adults with learning disabilities. It utilizes games and fun activities to help users learn to read and write.



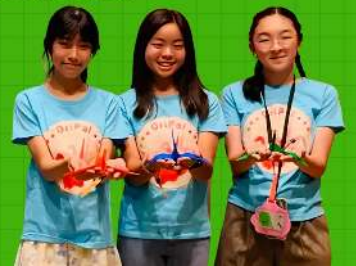
TEAM
FlameHearts
ARGENTINA

FlameFighters is designed to prevent forest fires. It incorporates a map of active fire hotspots, emergency services calling, and fire prevention tips.



TEAM
Spes Dojo
JAPAN

OriPal utilizes the art of origami for dementia prevention. It offers simple, user-friendly 3D lessons with the help of an AI Avatar.



SENIOR DIVISION
FINALIST TEAMS

TEAM
MicroGlio
UNITED KINGDOM

MicroGlio's goal is to better the everyday lives of Dementia patients with features like reminders for thirst, toilet and movement, keeping track of a patient's mood and appetite, and a picture dictionary.



TEAM
LOVETECH
UNITED STATES

EcoWear encourages shopping sustainably by allowing you to earn points by shopping local or at thrift stores. It also includes a virtual try on feature to experiment with real sustainable clothes.



TEAM
Green Rock
CHILE

Greens is a mobile app that crowd sources local participation in environmental projects. It allows users to create a forum to share their project and gain support, signatures, and financial help.



TEAM
Agape
MALAYSIA

Agape is a mobile app that a creates a supportive learning environment for special needs students. It utilizes AI to identify hand movements in real-time and tailors lessons, engaging features, and speech assistance.



TEAM
Curtis Technologies
CANADA

CommuniCare helps people overcome language barriers when accessing medical services. It allows people to navigate in their native language and utilize search tools and filters to find a compatible healthcare professional.





GIRLS ARE THE ANSWER

TECHNOVATION

WORLD SUMMIT

The Final Celebration of the 2024 Season
50 girls
15 world-changing apps
1 week in Silicon Valley
Included field trips and workshops at **Servicenow**, **Electronic Arts**, **SoftBank**, **Stanford University**, **Netflix**, **Blue River**, **Salesforce**, and **Unity**


WORLD
SUMMIT

















Alumnae Engagement



Technovation offers support and engagement to **all alumnae** including:

- Access to a supportive global network of peers
- Leadership opportunities
- Access to exclusive resources and opportunities
- Professional development workshops

Alumnae Leadership

Technovation offers several leadership opportunities to alumnae, including two new opportunities created in 2024. These opportunities include:

The Student Ambassador program, in which alumnae help recruit girls and act as champions and ambassadors for our program.

2024 Season: **115 Student Ambassadors**, representing **26 countries**

Speaking opportunities at high profile events including conferences and UN side-events

Prizes and recognition for accomplishments and achievements, including the Alumnae Changemaker Award

NEW Community Builders Program: alumnae leaders build community online by developing and sharing content and resources related to Technovation Girls

NEW Student Club Leaders: Alumnae (ages 13-17) who run a Technovation Student Clubs, and guide, teach, and motivate participants to complete the program

MEET ARUZHAN, TECHNOVATION ALUMNAE FROM KAZAKHSTAN



Aruzhan is a software engineer who has interned with Fidelity Investments and Morgan Stanley and whose work has been featured by the BBC.

But before that, she was a Technovation Girl. **She created QamCare, the first personal security application in Kazakhstan**, to help keep people safe by sending their location to trusted contacts. **She won the Technovation grand prize in 2017** for her app and continued to sharpen her skills at **Breakthrough Tech AI at MIT**.

Her sensitivity and extensive knowledge of machine learning models help make girls safer in her own community and around the world.

Career Development

Technovation offers several career-focused events and speaking opportunities to alumnae each year. In 2024, these events included:



Winter Networking Event
Region: Global

Virtual Tech Career Journeys meet-up
Region: Nigeria

Summer Networking Event
Region: Global

In-person networking event with Shopify
Region: Canada

Side Event to the UN General Assembly
Region: United States

2024 Technovation World Summit
Region: United States

Long-Term Impact on Alumnae



report that Technovation helped them **improve their skills**: including **coding**, **leadership**, **teamwork**, **problem-solving**, **confidence**, and making an **impact** on their community.



report that their involvement in Technovation gave them **a sense of belonging in STEM**



report that they are **more equipped to achieve their goals** because of their participation with Technovation's alumnae community.

TAIFA
The AI Forward Alliance

The AI Forward Alliance

Year one of The AI Forward Alliance (TAIFA) was incredible. By uniting forces with leading NGOs, universities, and corporations, we're accelerating our mission to empower 25 million girls through AI, coding, and entrepreneurship.

Our Vision: A world where every girl has the opportunity to shape the future through technology.

- Empowered **31,000 girls** to develop **3,200 tech solutions**, including **745 AI-powered innovations.**
- Mobilized **4,000 mentors** to guide and inspire young talent.
- **Invested $822,650 in local chapters** to expand their reach and impact.



TECHNOVATION

unicef | for every child

TE connectivity FOUNDATION

GRAMEEN FOUNDATION

EY Building a better working world

Google

Patrick J McGovern FOUNDATION

shopify

RAI

servicenow

GENERATION UNLIMITED

App Inventor Foundation

UNIVERSITY OF OXFORD

Saïd Business School

TAIFA Events: CSW

March 12, 2024 | New York City

A World of AI Driven Tech: Addressing a Global Talent Gap

As a sideline event of the Commission on the Status of Women, Technovation and UNICEF brought together leading voices from different fields who have used their tech expertise to excel for a morning of panels, presentations, and networking.

[Download the event overview]



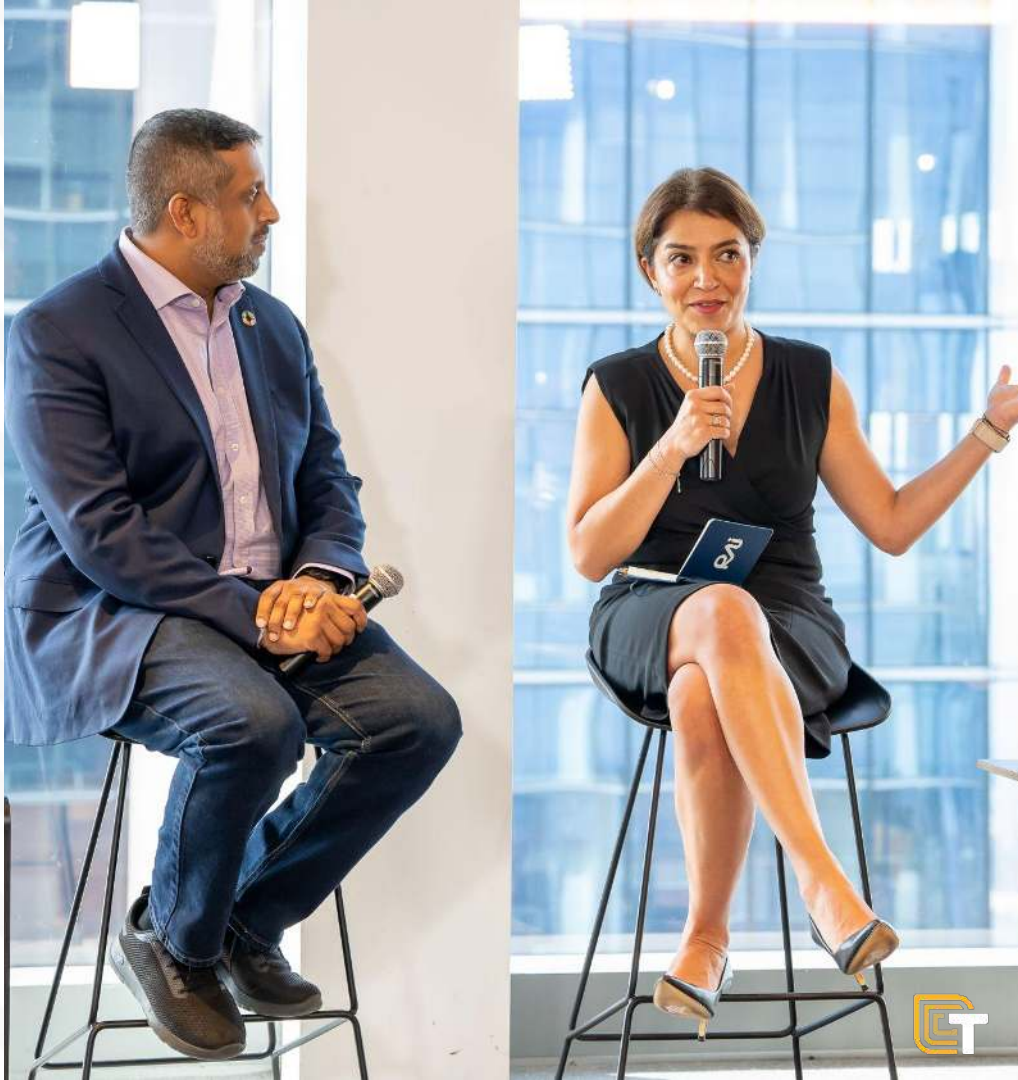
TAIFA Event: UNGA

September 19, 2024 | New York City

25 Million Future Shapers Forum

The 25 Million Future Shapers sideline event at UNGA's Summit of the Future, elevated the issue of gender equality in AI. The forum showcased the progress made in achieving gender parity in leadership and discussed strategies to address structural barriers hindering women's participation in the tech industry.

Download the event overview



Report on Women in AI

Women in AI: A Global Overview of a $200 Billion Innovation Opportunity

This report explores the transformative potential of women in the technology sector, particularly in the rapidly evolving field of Artificial Intelligence (AI). While currently less than a third of tech professionals are women, this report highlights the immense economic and innovative benefits of bridging the gender gap.

[Download the report]



KEY CHANGES PLANNED FOR 2025



Curriculum and Platform Updates

We're adding more **SDG Spotlight Units** to support students interested in solving specific SDGs. Our "**AI in Action" curriculum** will add AI support within existing SDG units as well as new units. We are also creating **easier curriculum onramps** for beginners and more **complex technical options** as well.

Additional Technical Support for Ambassadors

We've expanded our platform's functionality for Ambassadors, to make it **easier to find and connect with students and organize local events**.

Additional Support for Student Club Leaders

We'll share **additional resources for Student Club Leaders** — students who want to start a Technovation club at their school or with their friends!

Thank You To Our Partners

























































How can a partnership with Technovation work for you?

We'd love to learn more about your CSR, ESG, and volunteer impact goals and how we can work together to empower Technovation girls.

Contact Nick Kelso, Corporate Relations Manager

