

Ignite Her STEM Journey



Need for STEM representation



80% of future jobs will require
Mathematics and Science skills

National Science Foundation



Women account for only
30% of STEM students and **14%**
of STEM professionals in India

Ministry of Science and Technology



India's National Education Policy (2020)
emphasizes critical thinking and innovation.
However, many schools lack resources like
labs and technology, affecting over
200 million students

Deloitte Report

Empowering Girl Children through the Right to Learn mission



Started in
2017
by adopting
girl children
from **Shree
Dayanand
Balika
Vidyalay.**

**Imbided their
challenges
before
addressing
them.**

Initiatives undertaken



**Learning
through
Intellectual well-being**

- Computer lab
- Science lab
- Library
- Field Trips



**Health & Nutrition
through
Physical well-being**

- Mid-day meals
- Potable drinking water
- Dental camp



**Employability
through
Financial well-being**

- Career guidance
- Vocational training
- Employment at NTT DATA for one of our girl children



**Inclusion and Safety
through
Mental well-being**

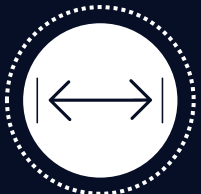
- Celebrations
- Safety training sessions

Designed for a holistic impact

Program principles



Sustainable value creation



Aligned with UN SD goals



Measurable & visible impact

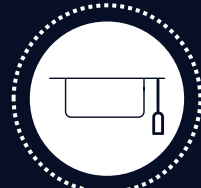


Low complexity for school to maintain



Low operating costs and overheads

Impact areas



Learning



Health and nutrition



Employability



Inclusion



Safety

Ignite a passion for STEM (Science, Technology, Engineering, Mathematics) amongst our Girl Children

How?

Infrastructure upgradation

01

Teacher development

02

Learner support & exposure

03

Parent engagement

04



Infrastructure upgradation

01



Digital infrastructure is provided by giving access to an **interactive technology board** for lessons aligned with government policies



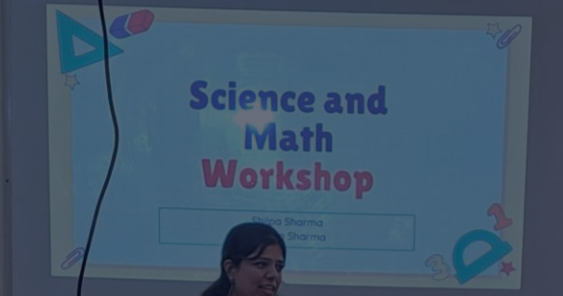
New state-of-the-art **laboratory apparatus** and **190 STEM kits** are provided to make science experiments more engaging and enriching



Curated a **STEM library** with **260** books in three languages to nurture students' curiosity in STEM subjects, particularly **mathematics** and **science**

Teacher development

02



Train the trainer workshops focused on **interactive STEM teaching methodologies** and digital resource usage to enable teachers to act as facilitators, enriching the overall learning experience.

Learner support & exposure

03



Experiments such as energy-transforming rockets, water alarm systems, hydraulic cranes, and solar energy models



Robotics, 3D printing, & sustainable solutions



150 girl children engaged through
40 employee volunteers

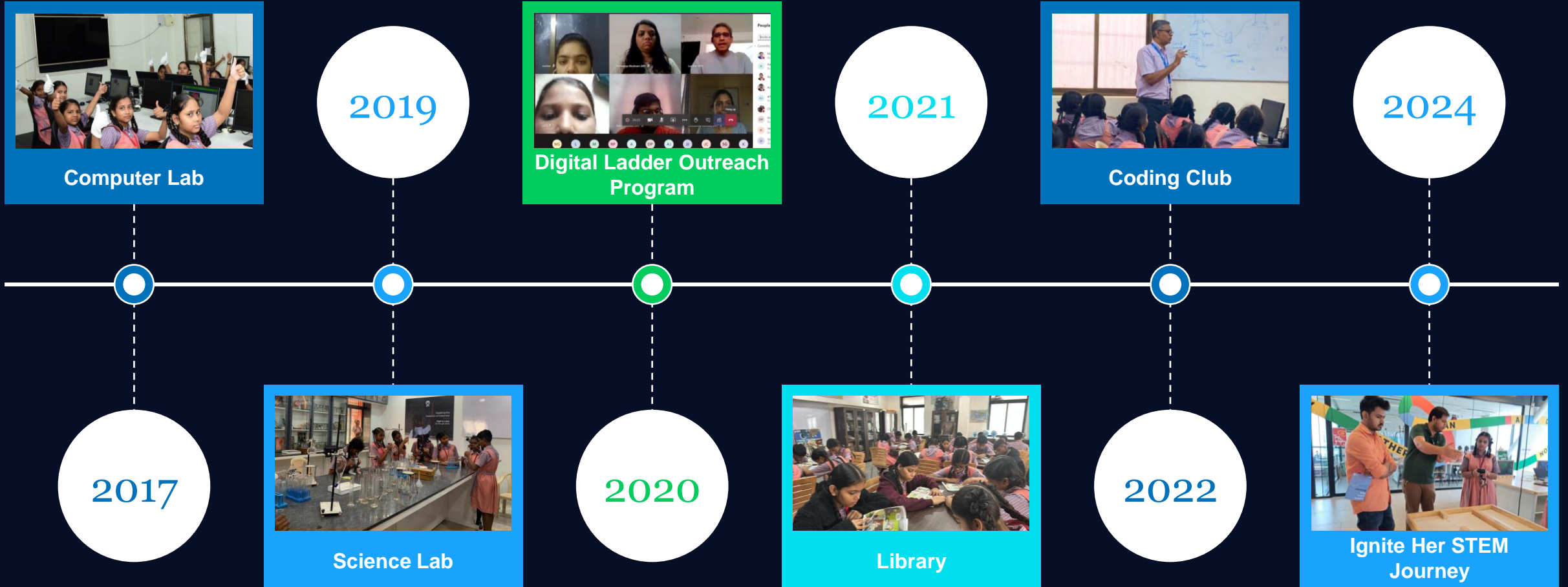
Parent engagement

04



Creating awareness through **engaging sessions with parents** to develop a mindset of encouraging girls with STEM skills and to create a **conducive learning environment at the homes** of our girl children.

Our people, our process, our technology





SUSTAINABLE DEVELOPMENT GOALS



Ignite Her STEM Journey is a transformative initiative that addresses the **low representation of women** in STEM as we prepare girls for **future leadership and innovation roles**, benefiting them and the **country's economy**.

Key achievements & impact

Critical thinking, problem-solving, and technical skills development



Improved academic performance, specifically in mathematics and science

Community engagement through collaboration amongst parents, students and teachers

Increased participation & inclination of girl students in STEM subjects

Beneficiaries acting as role models to inspire younger minds






Equal representation fosters innovation,
economic empowerment, sense of
inclusion and global competitiveness.



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Supports

United Way Mumbai

HeadStart STEM
Developing interest and aptitude for
STEM in girl children from marginalized communities

LIVE UNITED

LIVE UNITED