



TOW – Tinker on Wheels

Transforming every Indian school's outdoors into an AI-STEM Lab

India has the second largest education system in the world with **133 million** children in grades 6-12.



A group of children walking outdoors in a rural setting. On the left, a boy in a purple t-shirt and black shorts carries a black backpack and holds the hand of a small child in a striped tank top. In the center, a girl in a red patterned dress and purple backpack smiles. To her right, another girl in a red and blue dress walks. On the far right, a boy in a purple tank top and grey shorts looks towards the group. The background shows lush greenery and a dirt path.

The Ed-Tech Crisis:

Even then, 129 Million children in India don't have access to STEM Labs.

Skill-gap forces them into unemployment.



**No hands-on STEM Education, No Employment
Sheer waste of Human Potential**

Our Vision

No child in India is deprived of STEM careers or opportunities due to the lack of STEM Labs.

Our Solution


Tinker on Wheels (TOW)

Transforming every
Indian school's outdoors
into an AI-STEM Lab

Features:

1. AI-Powered Mobile Learning Lab
2. Vernacular language curriculum,
3. Hands-on experience with Cutting-Edge Technologies
4. Bridging the Digital Divide





A free 450 minutes AI enabled STEM Program
to get hands-on employable skills

We teach the first principles to the students:

Design
Thinking

STEM
around you

Digital
Literacy

Robotics

A.I.
and IoT


Space
Technology



Young Tinker pioneered the use of technology for building moving makerspace to optimise cost, time and accessibility.

A group of young girls in blue and purple uniforms standing in a line outdoors. The girl in the foreground is smiling broadly. The background shows other girls in similar uniforms, some looking towards the camera and others looking away. The setting appears to be a school courtyard or hallway with a brick wall and greenery in the background.

Each TOW reaches
and certifies
10,000+ every year.



The affordable
program spends only

\$3 OR ₹250

per year program per child.

Road Map for next 5 years

By Dec 2024: Expand to 10 TOWs, impacting 1,00,000+ students.

By Dec 2025: Expand to 50 TOWs, impacting 5,00,000+ students.

By Dec 2026: Expand to 200 TOWs, impacting 20,00,000+ students.

By Dec 2027: Expand to 400 TOWs, impacting 40,00,000+ students.

By Dec 2029: Expand to 4000 TOWs, impacting 400,00,000+ students.

Dream to impact 40 million students by 2029.



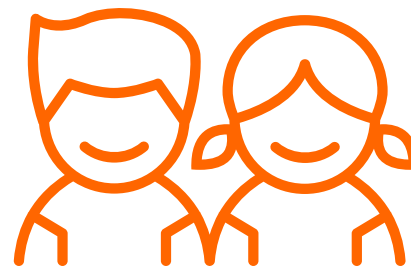
Current Stage of Venture

Pilot Phase: Successfully launched in 10 schools, impacting 500+ students.
Partnerships: Collaborations with local schools and community leaders.
Previous Funding: Initial funding is secured from NMDC, U.S. Consulate Hyderabad, IIT UK Alumni and Intellect Design Arena.



10

schools piloting
TOW



2,52,320

students impacted
through our 1-day
outreach program.



1

Tow designed and
manufactured.

Stories of Change – Basudeba Bhoi, Odisha

A daily wage farmer's son to making a rover and winning at **NASA**



Stories of Change – Rishikesh Nayak, Odisha

His AI Solution helped 7 villages to save their crops from damage.
Now funded by **Intel**



How can you participate?

1. Help build a TOW
2. Contribute to buying vehicles
3. Adopt a school
4. Pledge to educate a specific number of students each year

Meet Our Education Leaders

- **National Youth Award** 2021, Highest award for Youths by Govt. of India
- World Rank 3 **NASA's** Human Exploration Rover Challenge
- Board Member, **School Innovation and Entrepreneurship Policy**, Govt of India

Anil Pradhan (CEO, YT)
Educationist | Policymaker

- Mentored 2 student teams to send experiment to Space via NASA's Rockets
- 3M-CII YICA **Special Impact prize** 2020.
- Top **130 Women Transforming India** Awards 2019, by NITI Aayog, Govt of India
- Winner, Berlin Science Week 2022

Vaishali Sharma (COO, YT)
STEM Educator



Contact Us

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