



ANNUAL REPORT

2022-23

MESSAGE FROM FOUNDERS

As we reflect on the past year, we are filled with immense gratitude and a deep sense of purpose. What began as a simple desire to ignite curiosity and creativity in young minds has grown into a movement of change-makers, thinkers, and doers. This year has been a testament to the power of belief—belief in the potential of students, in the strength of hands-on learning, and in the collective spirit of a community that dares to dream big.

We've seen students explore science and technology not as subjects in textbooks, but as tools to shape the world around them. We've seen educators transform into facilitators of innovation. We've been moved by every curious question, every moment of discovery, and every spark of joy we witnessed—whether during a session, a workshop, or even a simple conversation.

Our mission has always been rooted in empowerment—giving young people the confidence to tinker, to fail, to try again, and ultimately, to build. As we turn the page on another chapter, we carry forward the lessons learned, the lives touched, and the dreams shared.

We extend our heartfelt thanks to every student, parent, mentor, partner, and supporter who walked alongside us this year. The journey ahead is long, but with your continued trust and energy, we are more inspired than ever to keep pushing boundaries.



Mr. Anil Pradhan

CEO, Founder



Mrs. Vaishali Sharma

COO, Co-Founder

ADVISORY COUNCIL



Shri Arun Jain
Advisor, Young Tinker Foundation |
Managing Director, Intellect
Design Arena



Shri Yogesh Andlay
Advisor, Young Tinker Foundation |
Managing Director, Nucleus
Software Engineers (P) Ltd.

ABOUT THE ORGANIZATION

Our organization was founded with a simple yet powerful mission: to ignite curiosity and empower young minds through hands-on learning in science, technology, engineering, and design. At the heart of our work is the belief that every child—regardless of background or geography—deserves access to quality STEM education that goes beyond textbooks.

We design immersive learning experiences that encourage students to think critically, solve real-world problems, and explore the world through the lens of innovation. By fostering a mindset of experimentation and resilience, we aim to nurture a generation of creators, leaders, and changemakers.

Our programs are built on collaboration—with educators, communities, and partners who share our vision of reimagining education. Through a blend of workshops, tinkering activities, mentorship, and grassroots outreach, we strive to create inclusive spaces where young learners feel seen, heard, and inspired to build a better future.

Every initiative we undertake is guided by our core values: curiosity, creativity, courage, and community. These values drive us to continually evolve, to learn from our journey, and to remain committed to building an ecosystem where learning is joyful, relevant, and empowering.



YOUNG TINKER SPACE



This year marks an exciting new chapter in our journey with the introduction of the Young Tinker Space—a dedicated physical space within schools and communities designed to spark creativity, hands-on exploration, and innovation.

A Young Tinker Space is a hands-on creative space where you can explore ideas, use tools, and build prototypes. It's a place for learning by doing, solving challenges, and turning your ideas into reality through a year-long curriculum.

A typical tinker space includes:

- Hand tools (for carpentry, agriculture, plumbing, electrical, and electronics),
- a tinkering station (includes 3D Printers, basic electronics fabrication facility),
- a Resource center (computers),
- Tool organizers,
- Power and internet,
- Softwares, and
- Other Rapid Prototyping Tools.

IMPACT SIZE



02 Young Tinker Spaces

State Location	Schools/ Colleges	Type of Program	Students impacted
Odisha Cuttack	2	YTS	25

NASA Human Exploration Rover Challenge Impact Size

06

Students selected for the Young Tinker team

234

hours/student engagement

5,340

Students impacted through STEM Engagement

NASA HUMAN EXPLORATION ROVER CHALLENGE



In 2023, a team of young innovators from the Young Tinker Foundation received a 'Category Award' at NASA's prestigious Human Exploration Rover Challenge (HERC) held in Huntsville, Alabama, USA. The challenge required students to design, build, and race a human-powered rover capable of navigating simulated lunar terrain.

They designed and built a functioning rover from scratch, competing alongside top international universities. Their success was powered by teamwork, creativity, and strong problem-solving skills. The team comprised students from Odisha, Andhra Pradesh, Maharashtra, remote villages, and orphanages.

This achievement reflects the essence of the Young Tinker mission—empowering students through hands-on STEM education, mentorship, and the belief that great innovation can come from anywhere.





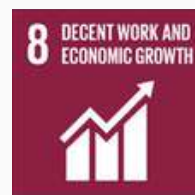
Young Tinker Pedagogy aligns with several Sustainable Development Goals (SDGs)



provides students with hands-on learning experiences in STEM, enhancing their skills and knowledge



equal focus on all the gender, hence promoting gender diversity in STEM fields



fosters innovation and technical skills, Young Tinker prepares students for future careers, contributing to economic growth



encourages the development of innovative technologies and infrastructure, crucial for sustainable industrial practices



partner with corporates for funding and engage with schools and communities for STEM activities, promoting collaboration

STORIES OF CHANGE

Village to NASA



Basudeba Bhoi – A 15-year-old from Baral village, 42Mouza, Cuttack. He is a son of daily labour in paddy fields. He joined Young Tinker Educational Foundation in 2015, at that time he used to work with his father in farmland to have better earnings for his whole family. Now, Basudeba is a specialist in 3D printing technology. He has innovated a bionic hand (artificial hand) through open-source material and facilities at our organization. With his project, he wants to give hope to people with disabilities. He aims to become a scientist in ISRO and wants to bring glory to his country.



Om Padhi – His mother left his father's house when he was 2 years old as a result of some family strife, and his father likewise had no interest in looking after Om. His mother found it even more challenging to balance the costs of his education with her own means of support. He then started staying in a children home, in Bhubaneswar. He completed 10th grade and is currently enrolled for 10+2 Science program. After completing the interview, he is now a part of the NASA HERC 2023 team.

STORIES OF CHANGE

Chasing Dreams, Crossing Continents



SAI AKSHARA VEMURI

UnderGrad, Mechanical Engineering, Georgia Tech

From Vijayawada, Andhra Pradesh, her hobbies include reading books and listening to music. She is a Hatrick World Record Holder for reciting the highest number of decimal places of root 2 value in the fastest time and have received an appreciation letter from the Vice President of India. She is a national archer. She has started various clubs like "The Astro Club", President of Rotary Interact club.



SIDDHANTH GHOSH

UnderGrad, Aerospace Engineering, Purdue University

Siddhanth Ghosh, a dynamic 18-year-old IB student from Mumbai, embodies a passion for technology, evident in his diverse interests from computer science to music production. Young Tinker honed Siddhanth's hands-on skills, fostering his creativity in Computer Aided Design and Rapid prototyping, leading to the successful creation of many international acclaimed projects.



CHITTINENI AKARSH

Enrichment Program at Columbia Business School

10th Grader from Vijayawada, Andhra Pradesh. His hobbies include playing badminton, reading books. He is also involved in organizing teams of various workshops. He is passionate about Science and related subjects, so he has started different clubs related to the field of STEM learning. He is also a national level badminton player.

PARTNERS



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MEDIA RELEASES

FROM 42 MOUZA TO NASA

An Odisha non-profit has assembled a team of school students including orphans and children of daily-wagers to build a rover for moon exploration. They have been selected to join NASA's rover challenge.

by R Radhika

Bondha Bhai balances everyday school work with building a human-robotics rover capable of traversing on the dark, dusty terrain of the moon. When I came to know about HEDC 2023, I started researching the rover challenge. Now that our team has been selected, I will work hard and give my 100 percent effort in the challenge," said Bhai.

The NASA HEDC features a global engineering design challenge every year for school and college students. The event, "a contest conducted follow up to the successful NASA's Great Moonbug Hunt," says American Institute of Aeronautics and Astronautics aligns with NASA's mission to explore the lunar surface with the help of a rover vehicle.

The team sent a proposal to NASA HEDC and was shortlisted to participate in October last year. Since then, the



Anil Pradhan,
Founder, Young Tinker Educational Foundation
Apart from the age criterion, we do not look for any minimum qualification while selecting, rather their skills and the drive to do something significant. None of them knew how to build a rover so we focused on their intent to make one



team has been designing, testing materials, and manufacturing a "human-powered rover vehicle" that can function on extra-terrestrial terrain. The team is one of 64 teams from 30 countries that will travel to Alabama, US in April. The rover will be shipped to NASA's Marshall Space Flight Center first.

The team

Anil Pradhan, 32, and the founder of the Young Tinker Educational Foundation, assembled an extremely diverse set of students to form the team. "Apart from the age criterion, we do not look for any minimum qualification while selecting, rather their skills and the drive to do something significant. None of them knew how to build a rover so we focused on their intent to make one," said Pradhan.

Growing up in Adarsha Children's Home, an orphanage in Bhubaneswar, Anshu Dask (17) had limited access to schooling but dreamt of studying engineering in the US. But her curiosity and passion for science led her to join the team.

"I was born when my father passed away and my mother was unable to take care of me. She left me in an orphanage. The people at the orphanage helped nurture my talents. They always tried to provide for me, whether it was my education or my interest in science. They came to know about the NASA project and took me to meet Anil sir. I gave an interview and was selected."

Apart from Bhai and Dask, the team includes five-year-old Dha Pradi, another member of Adarsha Children's Home, Class 12 students, Siddhant Ghosh (10) from Mahanadi and Sri Mahara Vimal (17) from Andhra Pradesh and Class 10 student Chintan Marth (15), also from AP, are the other members.





Each member has been assigned a role like prototype lead, marketing and branding lead, technical lead, design lead and so on. While some worked on the chassis, some perfected the brakes, another worked on the wheels or electronics.

"As prototype lead, my role is to manage the development of a prototype application or system. This includes

Who Are the 6 Indian Children Selected For NASA's Rover Challenge 2023?
Read our story featured at The Better India

**the
better
india**

FINANCIALS

YOUNG TINKER EDUCATIONAL FOUNDATION			
PLOT NO-S-72, MAITREE VIHAR P.O - SE. RLY. PROJECT COMPLEX BHUBANESWAR Khordha OR 751023			
CIN:U80902OR2019NPL031701			
BALANCE SHEET AS ON 31ST MARCH 2023			
Particulars	Note No.	As on 31.03.2023 (Rs.Thousand)	As on 31.03.2022 (Rs.Thousand)
A EQUITY AND LIABILITIES			
1 Shareholders' funds			
(a) Share capital	1	100.00	100.00
(b) Reserves and surplus	2	4,236.32	2,484.38
(b) Money Received against share warrents		-	-
2 Share application money pending allotments		-	-
3 Non-current liabilities			
(a) Long-term borrowings	3	75.56	75.56
(b) Deferred tax liabilities (net)		-	-
(c) Other Long Term Liabilities		-	-
(d) Long term provision		-	-
4 Current liabilities			
(a) Short Term Borrowings	4	-	-
(b) Trade payables	5	-	-
(A) total outstanding dues of micro enterprises and small		-	-
(B) total outstanding dues of Creditors other than micro		-	-
(c) Other current liabilities	6	-	-
(d) Short-term provisions	7	196.46	114.66
TOTAL		4,608.34	2,774.60
B ASSETS			
1 Non-current assets			
(a) (i) Property, Plant and Equipment	8	367.73	276.35
(ii) Intangible assets		-	-
(iii) Capital Work in progress		-	-
(iv) Intangible Assets under Development		-	-
(b) Non-current investments	9	-	-
(c) Deferred Tax Assets		-	-
(d) Long term loans and Advances		-	-
(e) Other Non Current Assets		-	-
2 Current assets			
(a) Current Investments	10	-	-
(b) Inventories	11	-	-
(c) Trade receivables	12	-	-
(d) Cash and cash equivalents	13	4,170.61	2,498.25
(e) Short-term loans and advances	14	70.00	-
(f) Other Current Assets	15	-	-
TOTAL		4,608.34	2,774.60
See accompanying notes forming part of the financial statements			
In terms of our report attached.			
For MDC & ASSOCIATES			
Chartered Accountant*			
FRN: 322691E			
 			
(CA. C. R. Behera, FCA)			
Partner			
Membership No-058416			
Place: Bhubaneswar			
Date: 05-09-2023			
UDIN : 23058416 BAXZUH1654			
 			
ANIL PRADHAN			
(DIRECTOR)			
VAISHALI SHARMA			
(DIRECTOR)			
DIN:08566113			

FINANCIALS


YOUNG TINKER EDUCATIONAL FOUNDATION PLOT NO-S-72, MAITREE VIHAR P.O - SE. RLY. PROJECT COMPLEX BHUBANESWAR Khordha OR 751023 CIN:U80902OR2019NPL031701			
STATEMENT OF PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2023			
Particulars	Note No.	As on 31.03.2023 Rs.Thousand	As on 31.03.2022 Rs.Thousand
I Revenue from operations (Gross)	16	5,430.89	2,562.77
Less: Excise Duty		-	-
Revenue from operations (Net)		5,430.89	2,562.77
II Other Income	17	53.58	-
III Total Income (I+II)		5,484.47	2,562.77
IV Expenses			
(a) Cost of materials consumed	18	-	-
(b) Purchase of Stock in Trade			
(c) Changes in inventories of finished goods, work-in-progress and stock-in-trade	19	-	-
(d) Employee benefits expenses	20	1,146.74	302.77
(e) Finance costs	21	0.74	0.65
(f) Depreciation and amortisation expenses		75.78	86.08
(g) Other expenses	22	2,509.27	125.66
Total Expenses		3,732.53	515.16
V Profit before exceptional and extraordinary item and tax		1,751.94	2,047.62
VI Exceptional Items		-	-
VII Profit before extraordinary item and tax		1,751.94	2,047.62
VIII Extraordinary Items		-	-
IX Profit before Tax		1,751.94	2,047.62
X Tax Expense:			
(a) Current tax expense		-	-
(b) Deferred tax		-	-
XI Profit / (Loss) for the period from continuing operations		1,751.94	2,047.62
XII Profit / (Loss) from discontinuing operations		-	-
XIII Tax from discontinuing operations		-	-
XIV Profit/ (Loss) from discontinuing operations		-	-
XV (Loss) for the Period		1,751.94	2,047.62
XVI Earning per equity share:			
(1) Basic		175.19	204.76
(2) Diluted		175.19	204.76

In terms of our report attached.

For MDC & Associates

Chartered Accountants

FRN:322691E


(CA. C. R. Behera, FCA)
Partner

Membership No-058416

Place : Bhubaneswar

Date:05-09-2023

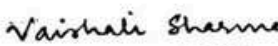
UDIN : 23058416BGXZUH1654


ANIL PRADHAN
(DIRECTOR)

ANIL PRADHAN

(DIRECTOR)

DIN :07535874


VAISHALI SHARMA

VAISHALI SHARMA

(DIRECTOR)

DIN:08566113



Thank You

Young Tinker programs are made possible through the generous contributions of our Young Tinker Supporters. You too can make a meaningful impact in a student's life through our program. Scan the QR code on the left to contribute.



Link: www.youngtinker.org/donate

All donations are eligible for tax exemption under 80G and 12A.



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