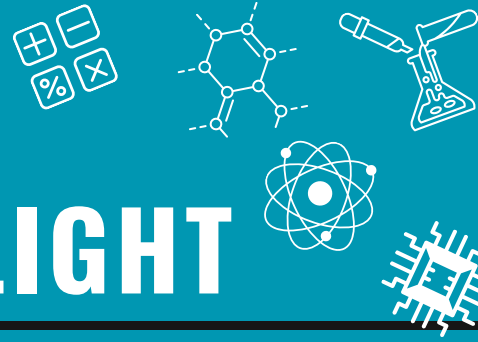




Moinee Foundation  
Freedom By Knowledge



Great Place To Work®

Certified  
JAN 2025-JAN 2026  
INDIA

# SPOTLIGHT

## ROBOTICS EDITION



Coding Innovation Through Strawbees at Robotics Lab

# A NOTE FROM OUR FOUNDER



At Moinee Foundation, we believe every young mind holds immense potential. This Robotics Spotlight celebrates how hands-on technology learning is shaping the innovators of tomorrow.

Our initiatives bring robotics and STEM education to life—through VEX 1Q kits, AI robotics, Strawbees 3D printing, coding projects, and other interactive learning tools—creating spaces where students can design, experiment, and innovate with confidence.

By engaging with cutting-edge technology and practical projects, we are inspiring curiosity, building problem-solving skills, and empowering the next generation of creators and thinkers.

With each spark of innovation, we are reminded that the future is full of endless possibilities—and that every young mind has the power to change the world.

*Arvind Thanvi*

**Chief Mentor & Founder  
Moinee Foundation**





## INNOVATION FROM THIKARIYA: ASHISH'S SMART MATKA STORY

In Thikariya Gujran, a small village in Rajasthan, seventh-grader Ashish Prajapat transformed a traditional matka into a Smart Matka, a sensor-based, hygienic water dispenser. Using an Arduino, IR sensor, and servo motor fitted into a handmade pot, he created a simple, low-cost solution to avoid dipping glasses into stored water.

Supported by his teachers and family, Ashish showcased the Smart Matka at school and district exhibitions, where it gained strong appreciation and potential use in railway stations, BSF camps, and rural communities. His innovation reflects how big ideas can emerge from the smallest villages.



# ROBOTS AV IGNITING THE SPIRIT OF YOUNG INNOVATORS!

On 28 February 2025, Moinee Foundation celebrated National Science Day with a high-energy Robotsav Raipur at B.P. Pujari Government English Medium Utkrisht Vidyalaya.

Twelve teams from the host school and PM SHRI Pt. R.D. Tiwari School went head-to-head in exciting robotics challenges powered by VEX IQ kits, showcasing skill, strategy, and innovation.

Robotsav Raipur was more than a competition, it was a celebration of curiosity, STEM innovation, and the boundless potential of young minds.

DISCOVER  
MORE  
HERE



# HANDS-ON WITH ROBOTICS AND AI AT INSPIRE AND INNOVATE

As part of the Inspire and Innovate event, students and participants explored the Robotics Experience Zone, diving deep into the world of robotics and AI.

The Expert Talk on Robotics and AI in Everyday Life further inspired attendees, offering a closer look at how technology is shaping the future.

Implemented by Vodafone Idea Foundation with Moinee Foundation as the Knowledge Partner, this event is part of the Robotics Lab Program, showcasing real-world applications of robotics and AI.

We thank everyone who joined and contributed to the event's success, working together to build a brighter future through innovation and technology.



## WORLD AI APPRECIATION DAY: SPARKING CURIOSITY, CREATIVITY & CODE!

Classrooms from **Raipur to Pune** buzzed with excitement as students of Classes 5 and 6 stepped into the fascinating world of **Artificial Intelligence**, from story-spinning chatbots to image-generating tools.

Students explored how **AI thinks, learns, and supports us** in daily life, spotted AI in **games, apps, and smart assistants**, and imagined how it could shape **schools, homes, and future careers**



# Ideas in Motion: Celebrating National Technology Week

Across India, Robotics Lab students came together to celebrate National Technology Week, transforming classrooms and community spaces into hubs of creativity, innovation, and collaboration.

With coding, engineering, and design at the heart of the activities, students explored how technology can be applied to solve real-world challenges, sparking curiosity and critical thinking in equal measure.



During the week, students designed and built a variety of projects, ranging from interactive stories that merge programming with imagination to racing bots, robotic arms, and mechanical cranes that-



demonstrated precision, strategy, and teamwork.

Each project highlighted how thoughtful design and hands-on experimentation can translate into meaningful solutions.

The celebration included immersive workshops, a national quiz on Climate Change & Ethical AI, and hands-on model-making with VEX kits, providing students with opportunities to experiment, fail, iterate, and innovate.



These experiences emphasized the importance of collaboration, problem-solving, and perseverance, skills that are essential for the innovators of tomorrow.



**DISCOVER  
MORE  
HERE**

## Smart Solutions, Big Victory: Robotics Lab Program Students Shine at Science Mela

Students from B.P. Pujari GEM Utkrisht Vidyalaya, Raipur claimed 1st place at the Western India Science Mela & Project Competition under the Robotics Lab Program.

Their winning project, BiobinX, is an AI-powered bio-waste segregation system that combines robotics with artificial intelligence, offering a smart and sustainable solution for safer waste management.

The project stood out for its practicality, innovation, and social relevance, demonstrating how young minds can use technology to solve real-world problems.

This victory reflects the creativity, innovation, and problem-solving spirit nurtured through the program, marking a proud milestone for both the school and the Robotics Lab Program.





# TEAM RDTIANS FROM RAIPUR SHINE AT WRO FUTURE INNOVATORS JUNIOR

Students from PM SHRI Pt. R.D. Tiwari Govt. English Medium School, Raipur impressed with their project ParkGenie – Smart Parking System, developed under the Robotics Lab Program, guided by our robotics mentors and built using the smart robotics kits provided through the program.



Their achievements include:

- Selected for World Robot Olympiad – Virtual Round, ranked 37th among 400+ teams
- Advanced to Regional Round – Science City, Kolkata
- Achieved 5th Rank in Future Innovators Junior

The project was also featured on the Government DPR Portal and covered by news outlets, marking a proud moment for the school and community.

More than an award, it reflects the curiosity, creativity, and problem-solving spirit of young innovators shaping tomorrow's solutions.



[DISCOVER MORE HERE](#)

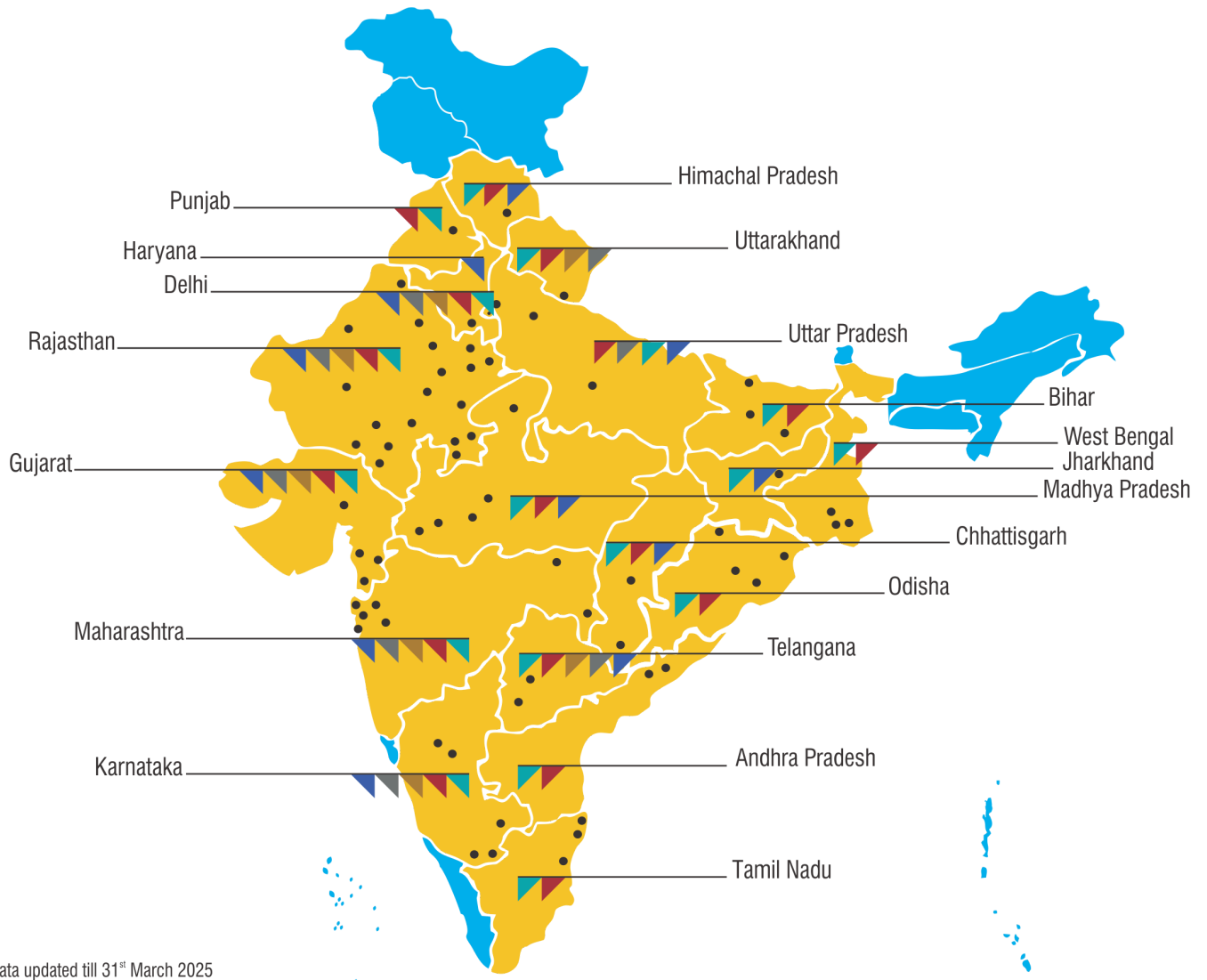
## COMPETITION

वर्ल्ड रोबोटिक्स ओलंपियाड में 3 छात्राएं रीजनल राउंड के लिए सलेक्ट



सिटी रिपोर्टर, रायपुर • वर्ल्ड रोबोटिक्स ओलंपियाड के रीजनल राउंड के लिए रायपुर के पीएमश्री आरडी तिवारी इंग्लिश मीडियम स्कूल की तीन छात्राओं का सलेक्शन हुआ है। इसमें कक्षा आठवीं की ओलंपियाड एक विश्वस्तरीय प्रतियोगिता है, जिसमें चार राउंड होते हैं। वचुअल राउंड में तीनों छात्राओं ने उत्कृष्ट प्रदर्शन अगले राउंड में जगह बनाई। अब वे 11 अगस्त को कोलकाता में होने वाले

# Our Reach & Impact



Data updated till 31<sup>st</sup> March 2025



**19**  
STATES/UT

**68**  
DISTRICTS

**06**  
MODEL VILLAGES

**18**  
COMMUNITY  
LEARNING CENTRES

**584**  
OFFLINE  
e-LIBRARIES

**08**  
TRIBAL  
HOSTELS

**2382**  
SCHOOLS/COLLEGES

**14,62,830**  
STUDENTS

**21,059**  
TEACHERS

**2,30,180**  
COMMUNITY PEOPLE

COPYRIGHT @ MOINEE  
FOUNDATION 2025

[moinee.org](http://moinee.org)

Follow us on

