

ATL Marathon

2023-24



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Hosting Partner



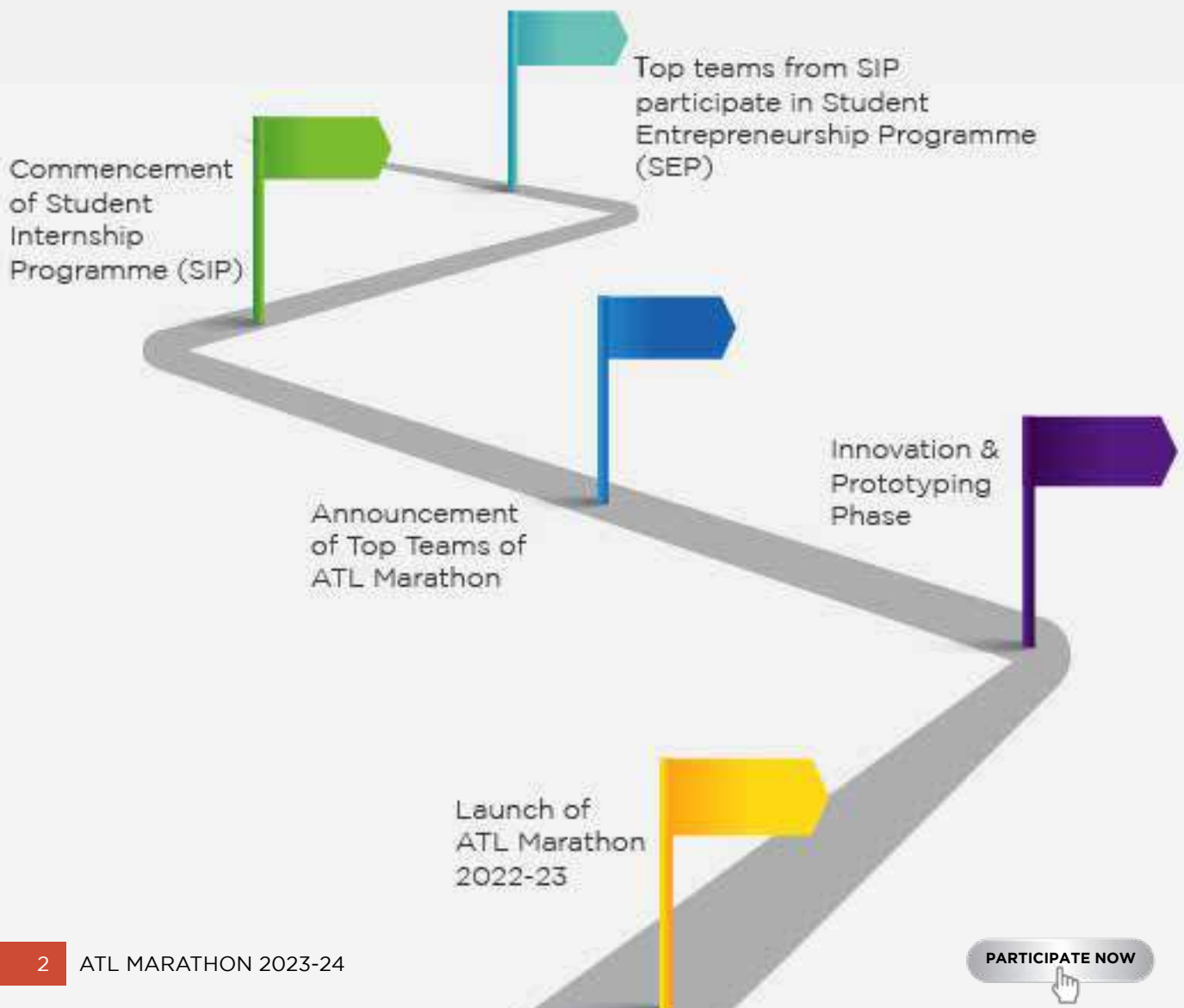


About ATL Marathon

The ATL Marathon is Atal Innovation Mission's flagship innovation challenge, where schools identify community problems of their choice and develop innovative solutions in the form of working prototypes. The last edition of the Marathon witnessed 12000+ innovations, the top 400 of them got internship opportunities through the Student Innovator Program with leading corporates and Incubation Centres of India, prizes and certificates from AIM, NITI Aayog.

In ATL Marathon 2023-24, we want the students of India to choose any of the below problem statements or work on a problem that they find around themselves, research, ideate, innovate and implement a solution for it.

Journey of a student in ATL Marathon





Important dates

**1 November 2023 -
26 January 2024**
Innovation & Prototyping
Phase

May 2024
Announcement of Top
Teams of ATL Marathon

**November 2024
onwards**
SEP Programme starts
for Top Teams of SIP

01

1 November 2023
Launch of ATL Marathon

02

03

26 January 2024
Last day to submit projects
for ATL Marathon 22-23

04

05

June 2024 onwards
SIP Programme starts for Top
Teams of ATL Marathon

06

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Prizes & Certificates

PRIZES

Top Teams of ATL
Marathon- Student
Internship Programme (SIP)

Top 75 teams -
Student Entrepreneurship
Programme (SEP)

SPECIAL CERTIFICATES

- Top 10 teams from rural areas
- Top 10 teams from government schools
- Top 10 teams from Aspirational Districts
- Top 10 teams including Children with special needs
- School with 25+ teams participating

Themes & Problem Statements

1. Agriculture

- Develop a prototype of an automated device or machine that assists small-scale farmers in tasks such as planting, watering, or harvesting crops
- Design and construct a device or instrument capable of identifying and measuring the levels of pesticides or other chemical residues present in soil and food products, thereby verifying their organic status.

2. Inclusivity

- Develop a tool that helps students to manage their emotional and mental health
- Devise a fun, gamified way for students to build skills like problem solving, spatial thinking, negotiation, and pattern recognition

3. Disaster Management

- Develop a small-scale, community alert system prototype that uses local resources to warn residents of impending natural disasters like floods, earthquakes, etc.
- Design Solutions that can solve some of the pressing challenges of India such as handling medical emergencies, search and rescue operations, etc.

4. Mobility

- Accessibility and Inclusive Design- Creating innovative transportation and infrastructure solutions that are inclusive and accessible for people with disabilities, ensuring equal access to mobility options and enhancing the overall urban experience for everyone.
- Devise an integrated solution that employs technology to reduce traffic congestion, while simultaneously incorporating features aimed at preventing road accidents and reducing the incidence of fatalities.

5. Health

- Develop products to ensure the availability of quality healthcare on an equitable, affordable and accessible basis with a special focus on underserved populations.
- Create a tool that promotes healthy living among Indian youth, focusing on areas like nutrition, physical activity, and mental well-being

6. Education & Skill Development

- Design a low-cost ATL Model/toolkit encompassing all the key segments of Tinkering.
- Toys/Games for Education: Design Toys and Games that will help children (2 - 12 years) learn better in an interactive and fun way.

7. Space

- Design a Payload for a Satellite that can be launched into Space
- Build an All Terrain Rover that will explore the surface of other planets, and analyse its environment

8. Others



Testimonials

Prashant Nair,
Regional Mentor of Change,
Tamil Nadu, AIM



“ATL Marathon, the flagship national innovation challenge for schools from Atal Innovation Mission (AIM) has been a trailblazer, having completed 5 editions with the 2022-2023 edition attracting 12,000+ teams pan India. I have been fortunate to have been able to mentor 10+ teams that have been ranked amongst the top teams over the last few years. ATL marathon provides an excellent opportunity for students to unleash their creativity, innovation and teamwork to solve problems for societal and humanitarian benefit”



Umesh Bajaj,
ATL Incharge, Dass & Brown
World School, Ferozepur,
Punjab

“I serve as the ATL Incharge at Dass and Brown World School in Ferozepur, Punjab. We recently featured in the Top 75 teams of ATL Marathon. The Atal Tinkering Lab has become like a second home to me. It’s a place where my students and I engage in daily learning, finding solace in our lab. We are dedicated to working on solutions for the Sustainable Development Goals, and I am profoundly grateful to the Atal Innovation Mission for providing us with this platform to contribute to our community and nurture innovation in the young entrepreneurial minds.”

Ishan Ghatak & Agam Yadav,
D.A.V Public School, Vasant
Kunj, New Delhi



“Our ATL marathon journey as a team has been an incredible roller coaster of innovation and collaboration. We worked hard and our hard work paid off as we emerged as one of the top 75 teams of ATL marathon 2021 and even got digital tablets from Niti Aayog as a prize for our achievement . It was like a dream come true. We have even filed for the patent of our project this year in 2023. ”



Suneeti Patwari,
Student, Lakshimpat Singhania
Academy, Kolkata

“I began as a novice, but through the ATL Marathon & the Student Innovation Program, we developed an industry prototype. This experience not only expanded my technology and business knowledge but also fostered personal growth. I’m immensely thankful for the opportunity.”





Terms and Conditions

- All Students (from ATL and Non-ATL schools) can submit their entries in the Marathon.
- The Innovations by the student teams must be aligned to one of the Themes of the ATL Marathon 2023-24.
- Each team must select one Problem Statement, where schools identify community problems of their choice and develop innovative solutions in the form of working prototypes.
- A team may submit entries to more than one problem statement, please keep in mind that to do so, you will need to fill the application form separately for each problem statement.
- There is no limit on how many teams from a school can participate.
- The online application form submission will include:
 - » Research Document
 - » 3-minute Video (capturing details of their working prototype/solution)
- Each Team shall consist of a maximum of 3 students (class 6th to 12th) and one ATL in-charge/ School Teacher (must be an employee of the ATL School). We encourage ATL schools to also include other school and/or community students within the Team Composition.
- Kindly note individual member entry is not allowed. Also, if the team size exceeds the 3-member limit, the entry/ submission will be immediately disqualified.



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