

ATL MARATHON 2024-25

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.

Themes & Problem Statement

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



Terms & Conditions

- The Innovations by the student teams must be aligned to one of the Themes of the ATL Marathon 2024-25.
- 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).
- 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.
- Interested students are suppose to submit their names to Ms. Kamal Jyoti (ATL Incharge).

