

ATAL TINKERING LAB

KENDRIYA VIDYALAYA NO 1 DEHU ROAD PUNE

With a vision to 'Cultivate one Million children in India as Neoteric Innovators', Atal Innovation Mission is establishing Atal Tinkering Laboratories (ATLs) in schools across India. The objective of this scheme is to foster curiosity, creativity and imagination in young minds; and inculcate skills such as design mindset, computational thinking, adaptive learning, physical computing etc.

Key Features of ATL

ATL is a work space where young minds can give shape to their ideas through hands on do-it-yourself mode; and learn innovation skills. Young children will get a chance to work with tools and equipment to understand the concepts of STEM (Science, Technology, Engineering and Math). ATL would contain educational and learning 'do it yourself' kits and equipment on – science, electronics, robotics, open-source microcontroller boards, sensors and 3D printers and computers. Other desirable facilities include meeting rooms and video conferencing facility.

In order to foster inventiveness among students, ATL can conduct different activities ranging from regional and national level competitions, exhibitions, workshops on problem solving, designing and fabrication of products, lecture series etc. at periodic intervals.

ATAL MARATHON 2023-24

ATL Marathon 2023-24 is a national-level innovation challenge spearheaded by Atal Innovation Mission, NITI Aayog, in partnership with the Ministry of Education, UNICEF, and other stakeholders. This competition is aimed at young innovators who can address community issues and create working prototypes of innovative solutions. In the last edition of the Marathon, over 12,000 innovations were witnessed, with the top 400 teams securing internship opportunities with reputed companies in India, as well as prizes and certificates from AIM and NITI Aayog.

The theme for this year's ATL Marathon is "India's 75th Republic Day" As we celebrate this significant milestone in our nation's history, we have crafted problem statements that resonate with the spirit of our republic. The problem statements are designed to inspire students to explore innovative solutions that uphold the values and principles of our democratic republic.

Students of our Vidyalaya participated enthusiastically in this competition.

A total of 30 students comprising of 13 teams. 11 ideas and Projects submitted to AIM-Unisolve Portal.

YouTube channel link of all ATL Marathon of KV No 1 Dehu Road :

<https://youtube.com/@KVno1DehuroadATLlab-xm7wm?si=Tc2BRP7LdznQEihL>



