



ATAL TINKERING LABS

ATLs र्थी

COMMUNITY | INNOVATION | ENABLEMENT



About Atal Tinkering Lab (ATL)

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.

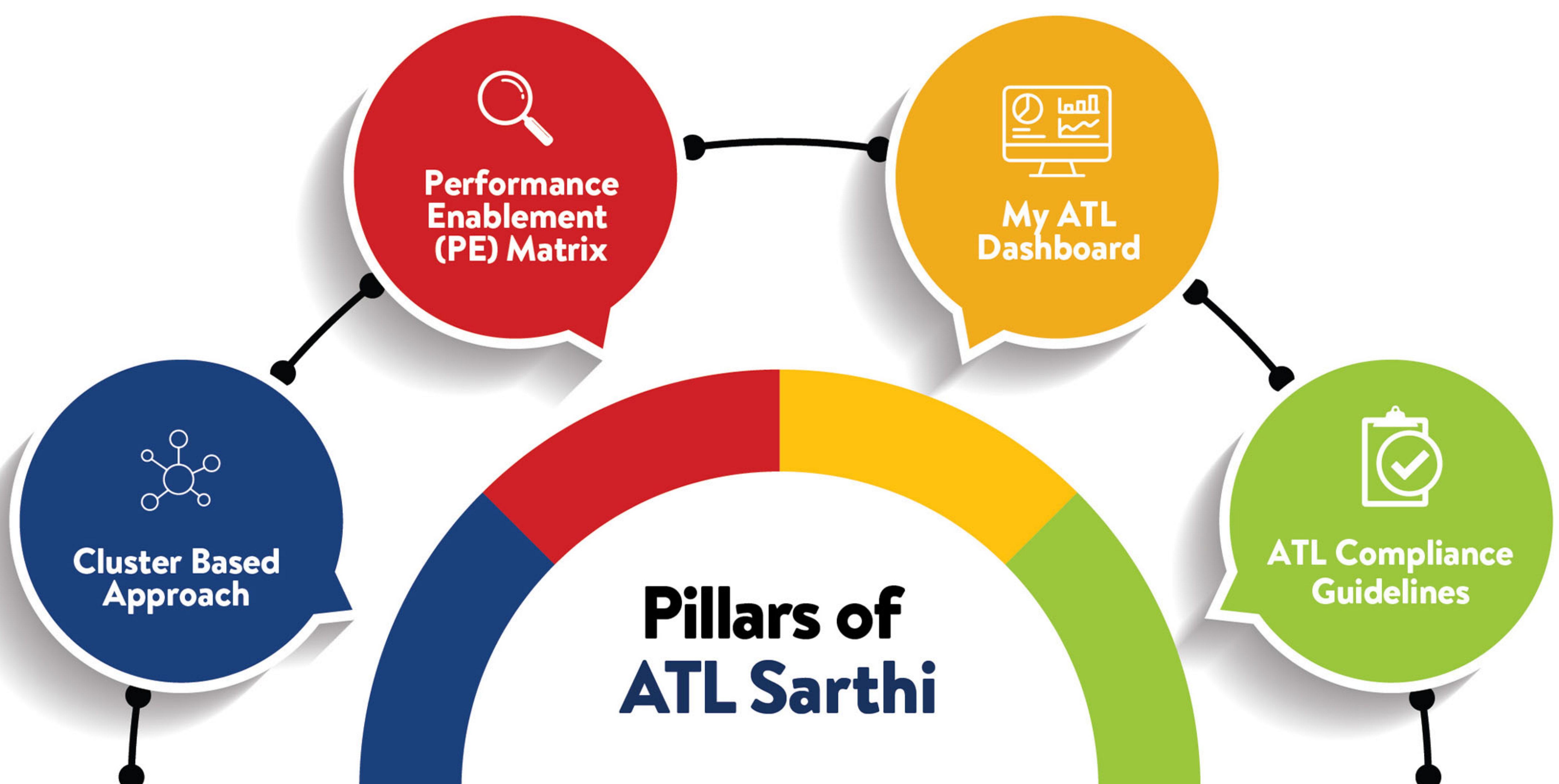
ATL is a workspace where young minds can give shape to their ideas through hands-on do-it-yourself mode; and learn innovation skills. Young children will get a chance to work with tools and equipment to understand the concepts of STEM (Science, Technology, Engineering and Math).

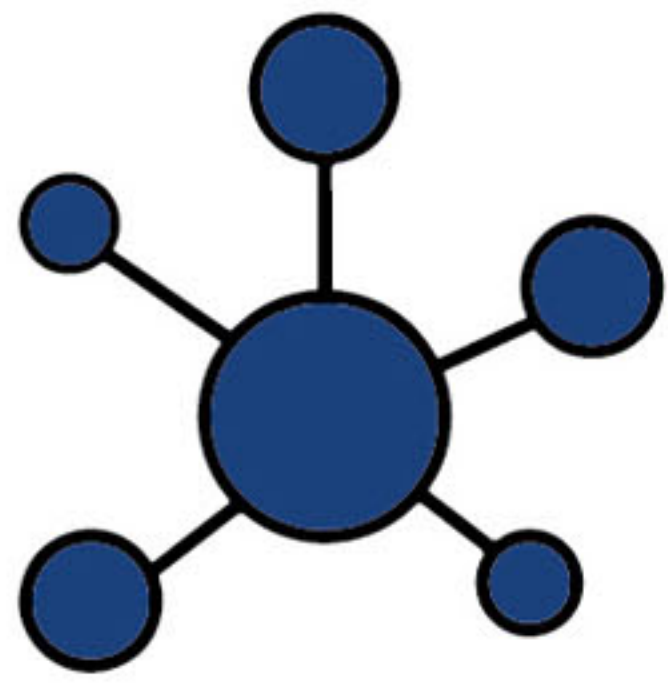
Atal Innovation Mission (AIM) has established 10,000 ATLs till date across the length and breadth of the country. AIM is continuously strengthening this ever-growing ecosystem by developing tools and framework to enhance the performance of ATLs and achieve the desired objectives.

About ATL Sarthi

ATL Sarthi provides tools and support to schools to adopt a self-monitoring approach for better and continuous performance. It also provides necessary guidelines for local authorities like districts, states, innovation councils, private organizations etc. to help assess ATLs in their particular region and provide much-needed guidance and support to steer this ATL ecosystem to new heights.

As the name suggests, Sarthi is a charioteer and ATL Sarthi will enable the ATLs to be efficient and effective. The initiative has four pillars ensuring the performance enhancement of ATLs through regular process improvements like a self-reporting dashboard known as ‘MyATL Dashboard’ and development of SOPs for schools to ensure financial and non-financial compliances, on-ground assessments of ATLs in collaboration with relevant local authorities through cluster-based approach and providing ownership to schools to analyze their performance through Performance-Enablement matrix.





Cluster Based Approach

Cluster Based Approach

To enable better monitoring on-ground and sustainable way of assessing ATLS, a cluster-based approach is proposed where AIM and relevant local authorities like State Govt., district administrators, innovation councils, organizations etc. come together to leverage human capital and ownership in order to ensure smooth functioning of ATLS.

The ATL Cluster aims at providing a self-sustainable model for monitoring and evaluation wherein the ATLS and local authorities work in tandem with each other on-ground to form clusters of 20-30 ATLS in a particular region through effective review committees. These ATLS can learn from each other through training, collaborations, events and adopting best practices. This provides a sustainable model which clearly defines and assigns ownership by way of following a decentralized approach and leverages the concept of competitive federalism to increase the efficiency of the ATLS which will enhance their performance.



Performance Enablement (PE) Matrix

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The Performance and Enablement Matrix Framework, or the PE Matrix Framework in short, has been developed to enable self-evaluation of the Atal Tinkering Labs. Using the framework the ATLS will be easily able to identify their strengths and weaknesses under the twin pillars of Performance and Enablement. Based on their achievements under these two pillars, the ATLS will be classified into five outcome bands. In order to enable the ATLS initiate suitable course correction measures post evaluation, the framework also provides an easy to understand pathway, specific to each of the outcome bands.

Besides encouraging self-evaluation, the framework will enable AIM to usher in suitable policy measures for each of these outcome bands. The framework can also be used by the state and district authorities to identify the current state of ATLS in their jurisdiction and initiate suitable policy measures. Finally, the framework will also serve as an appropriate tool for clusters to identify lead and low-performing ATLS, initiate appropriate action, and conduct pre-post analysis of the cluster as a whole.



My ATL Dashboard

MyATL Dashboard

The MyATL dashboard enables ATLS to regularly report their tinkering activities online helps AIM to keep abreast of the ATL ecosystem in terms of the students engaged, innovation projects created, and tinkering events organized.

AIM has revamped the dashboard which is mobile-friendly and can be filled-up from any device; collects a comprehensive set of quantitative and qualitative data; but is also user-friendly and can be filled up in minutes.



ATL Compliance Guidelines

Compliance SOP

AIM has set up the detailed SOP to be followed by AIM to guide schools to comply with both financial and non-financial guidelines.

This includes regular dashboard update, usage of PFMS for declaring the expenses and submission of Utilization certificates on-time, besides others.



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NITI Aayog



ATAL INNOVATION MISSION