

Phase-2 of I-STEM

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In news

The I-STEM project has been accorded an extension for five years, until 2026 and enters its second phase with added features.

Phase II of the Indian Science Technology and Engineering facilities Map (I-STEM)

- Under Phase II, the portal will **host indigenous technology products** listed through a digital catalogue.
- The portal will also **provide a platform for the various City Knowledge and Innovation Clusters** supported by the Office of PSA to enhance effective use of R&D infrastructure through leveraging collaboration and partnership built on a shared STI ecosystem.
- It will also host and provide **access to selected R&D software** required to undertake research projects by students and scientists.
- The I-STEM portal in its new phase will be designed as a dynamic digital platform that will **provide a boost to research and innovation especially for 2 tier and 3 tier cities and also for the emerging start-up ecosystem.**



About I-STEM

- I-STEM is the national web portal for sharing R&D

facilities and was formally launched in January 2020.

- It is an initiative of Office of the Principal Scientific Adviser to the Govt. of India (PSA, GOI) under the aegis of Prime Minister Science, Technology and Innovation Advisory Council (PM-STIAC) mission.
- I-STEM portal facilitates researchers to access slots for the use of equipment, as well as to share the details of the outcomes, such as, patents, publications and technologies.
- Under Phase-I, the portal is listed with more than 20,000 pieces of equipment from 1050 institutions across the country and has more than 20,000 Indian researchers.

Goal:

To strengthen the R&D ecosystem of the country by connecting researchers with resources, in part by promoting technologies and scientific equipment development indigenously, and providing necessary supplies and supports to researchers by enabling them an access to existing publicly funded R&D facilities in the country through the I-STEM web portal.

The Prime Minister's Science, Technology, and Innovation Advisory Council (PM-STIAC)

- It is an overarching Council that facilitates the Principal Scientific Adviser's Office to assess the status in specific science and technology domains, comprehend challenges in hand, formulate specific interventions, develop a futuristic roadmap and advise the Prime Minister accordingly.
- The Office of the Principal Scientific Adviser (PSA) to the Government of India coordinates to facilitate and ensure the implementation of significant interventions by concerned government departments, agencies, and ministries.
- The PM-STIAC Secretariat is based at Invest India and provides support to the Office of the PSA on project

management and monitoring of the aforesaid interventions and national missions.

Nine Missions under PMSTIAC

1. Natural language translation.
2. Quantum Frontier.
3. Artificial Intelligence.
4. National Biodiversity.
5. Bioscience for Human Health.
6. Waste to wealth.
7. Deep Ocean exploration.
8. AGNIi.