

Frontier Technology Lab

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About Frontier Technology Lab

- It is an advanced version of Atal Tinkering Lab.
- The initiative aims to advance the government's agenda of digital inclusion, skilling and growth.
- Collaboration: Atal Innovation Mission and Meta will partner to set up FTLs in schools of strategic importance to ensure that students from diverse backgrounds across India will have equal opportunities to learn and engage with frontier technologies.
- Funding: The FTLs will be funded by Meta and Atal Innovation Mission will be the knowledge partner.
- It is equipped with state-of-the-art infrastructure, including all components of the Tinkering Lab to empower students to innovate using technologies like Artificial Intelligence, Augmented & Virtual Reality, Blockchain, Cybersecurity, Robotics, 3D Printing, and Internet of Things.
- The FTLs are a part of Meta's Education to Entrepreneurship initiative, launched in September 2023, to seamlessly connect students, youth, workforce, and micro-entrepreneurs with futuristic technologies, taking digital skilling to the grassroots.
- These labs will be managed by Meta's partner 1M1B (One Million for One Billion).
- Significance: The labs support the Government's focus on equipping youth with digital skills to succeed in the evolving landscape of technology and the global economy.

Q1) What is Blockchain?

It is a decentralized and distributed database on a peer-peer network which works on the basis of a consensus mechanism involving every node (computer) on the network.

Source: [Atal Innovation Mission, NITI Aayog and Meta join hands to establish Frontier Technology Labs in schools to democratize access to future technologies and innovation.](#)

Source: <https://vajiramandravi.com/current-affairs/ftl/>

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