

National Mission in Interdisciplinary Cyber-Physical Systems (NM-ICPS)

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About National Mission in Interdisciplinary Cyber-Physical Systems:

- It was launched in 2018 at a total outlay of Rs.3660 Crores for **a period of five years.**
- **Objectives:** It is comprehensive mission to **address technology development**, application development, human resource development & skill enhancement, entrepreneurship and start-up development in CPS and associated technologies.
- As part of the Mission implementation, **25 Technology Innovation Hubs** (TIHs) have been established in advanced technologies in reputed institutes across the country.
- **Nodal Ministry:** It is being implemented by Department of Science & Technology under the **Ministry of Science and Technology**

What is a Cyber-physical system?

- It combines **digital/cyber elements with physical objects** (e.g. machines, autonomous vehicles) and data with capabilities of communication, data collection & processing, computing, decision making and action
- It is an integrated system **involving Sensors**, Communication, Actuators, Control, interconnected computing networks and data analytics.

Q1) What is Cyber security technology?

Cyber security technology refers to the tools, techniques, and processes used to secure digital systems, networks, and data from unauthorized access, attacks, theft, damage, or any other form of cybercrime.

Source: [NM-ICPS Mission can accelerate technology translation and commercialization through TIHs spanning all over the country: Experts](#)

Source: <https://vajiramandravi.com/current-affairs/national-mission-in-interdisciplinary-cyber-physical-systems-nm-icps/>

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