



Critical and Emerging Technologies Dialogue

Why in News?

India's [National Security Advisor](#) held talks with the US counterpart on the first dialogue on **Initiative for Critical and Emerging Technologies (iCET) in the US**.

- Completing the work on the long-awaited [NASA-ISRO Synthetic Aperture Radar \(NISAR\)](#) earth observation satellite is an excellent example of how the US-India partnership in space can benefit the world.

What is the iCET Initiative?

- **About:**
 - The iCET initiative was launched by India and the US in May 2022, and is **being run by the National Security Councils of both countries**.
 - Under iCET, the both countries have identified **six areas of cooperation which would include co-development and co-production**, that would gradually be expanded to [QUAD](#), then to [NATO](#), followed by Europe and the rest of the world.
 - Under iCET, India is ready to share its core technologies with the US and expects Washington to do the same.
- **Six Areas of Cooperation:**
 - The six areas for cooperation are scientific research and development; **quantum** and [artificial intelligence](#), defense innovation, space, advanced telecom which would include things like 6G and semiconductors.
- **Significance:**
 - iCET would forge **closer linkages between government, academia and industry of the two countries**.
 - The objective is to provide **cutting edge technologies** to the rest of the world which are affordable.
 - The launch of the ambitious iCET dialogue is seen as **“an alignment of strategic, commercial and scientific approaches”** in the field of technology.
 - This is eventually likely to be mirrored in the progress made in Quad - the informal grouping of four countries, Australia, Japan, India and the United States.

Who is a National Security Advisor (NSA) in India?

- The NSA is the **primary advisor to the Prime Minister of India**. He also presides over the **National Security Council (NSC)**.
 - The current NSA is Ajit Doval.
- The NSC of India is a **three-tiered organisation that oversees political, economic, energy and security issues of strategic concern**.
 - It was **formed in 1998**, where all aspects of national security are deliberated upon.
 - NSC operates within the executive office of the PM, liaising between the government's executive branch and the intelligence services.

[Source: HT](#)

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