

India's First CoE SpaceTech Foundation

Prelims: Current events of national and international importance | Science & Technology.

Why in News?

India's first State-led Centre of Excellence for Space Technology (CoE SpaceTech Foundation) has been launched in Bengaluru to boost India's commercial space ecosystem.

- **Launched by** - Government of Karnataka
- **Partnership with** - Karnataka Innovation & Technology Society (KITS) in collaboration with SIA-India (SatCom Industry Association).
- **Aims**- Turn Space research into a real products & services that can be sold @ Global Level & to cement gaps between R&D.
- **Area of focus:**

Advanced research in area of space technologies.

Fostering Start -up & Nurturing Talents.

Inter - Industrial Adaptation for e.g., for agricultural development using space data, Climate Forecasting & Disaster Management.

Skill Centric or Industrial aligned training to create high-quality skilled jobs.

Center is also exploring how space technology be utilized in other Sectors, rather for launching Satellites & Rockets.

- **Common Infrastructure Facility (CIF)**

The State government plans to establish a Common Infrastructure Facility (CIF).

Purpose - To share Common Technological Resources & Cutting edge equipment that individual startups might find capital-intensive to own.

Importance - Like CIFs in semiconductor & biotech sectors this will reduce entry barrier for the Private space Players.

- **Strategic Partnerships (MoUs)**

CoE has signed MoUs with diverse International & domestic players like:

MAHE (Manipal Academy of Higher Education): Academic & research collaboration.

Dassault Systèmes: Catering high-end design & simulation software.

Helogen Corporation (U.S.): Collaboration on advanced space Material & Hardware.

Association of Biotechnology Led Enterprises (ABLE): Probing the Convergence of biotech & space (e.g., space medicines or microgravity experiments).

Idea Baaz: A Strategic ecosystem support.

Features	Details
Nodal Agency	IN-SPACE (Indian National Space Promotion and Authorisation Centre) - It the single-window agency for private players.
Commercial Arm	NSIL (NewSpace India Limited)
Policy Roadmap	Indian Space Policy 2023 - allows participation of Non-Governmental Players in all domains of space activities.
Role of Karnataka	The state accounts for a significant portion of India's aerospace and defense exports and is home to the highest number of space startups in India.

[The Hindu | IAS Parliament](#)

