

Indo-US Scientific Cooperation

Why in news?

\n\n

Prime Minister Narendra Modi's recent visit to the U.S. is likely to deepen bilateral ties in multiple strategic areas

\n\n

What are the areas of Indo-US Scientific cooperation?

\n\n

\n

- Partnership to Advance Clean Energy.

\n

- Joint participation in mega projects in the areas of fundamental science.

\n

- High Intensity Superconducting Proton Accelerator.

\n

- The Thirty Meter Telescope.

\n

- The Laser Interferometer Gravitational Observatory.

\n

- The NASA-ISRO Synthetic Aperture Radar Mission.

\n

\n\n

What areas of Governance India needs to learn from US?

\n\n

\n

- The science, technology and innovation (STI) landscape in the U.S.

\n

- Science administration of American federal agencies such as:

\n

\n\n

\n

1. The National Institutes of Health,

- \n
2. The Department of Energy.
 - \n
 3. The National Science Foundation.
 - \n
 4. The National Aeronautics and Space Administration.
 - \n
 5. The U.S. Department of Agriculture.
 - \n

\n\n

How the ties can be strengthen?

\n\n

- \n
- A database of U.S.-based inventors, their inventions and technologies relevant to India needs to be created.
- \n
- The collaborative partnerships and student exchange programmes between research institutions and universities need to be strengthened at various levels
- \n
- Joint incubators, to enable Indian start-ups to introduce products in the U.S. market.
- \n
- To facilitate U.S.-based start-ups to enter India with inflow of technologies and best business practices should be set up.
- \n

\n\n

Quick fact

\n\n

What are the ongoing Indo-US entrepreneurship initiatives?

\n\n

- \n
- **U.S.-India Science and Technology Endowment Fund** - For the promotion of joint activities that would lead to innovation and entrepreneurship through the application of science and technology.
- \n
- **The Stanford-India Bio design Programme** - It is a research and training collaboration for bio technology.

\n

- **The Khorana Technology Transfer programme** - This enables Indian and US university students to work and study in the partner country's research laboratories.

\n

\n\n

\n\n

Source: The Hindu

\n

