Indo-US Scientific Cooperation

Why in news?

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

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What are the areas of Indo-US Scientific cooperation?

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- Partnership to Advance Clean Energy.
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- Joint participation in mega projects in the areas of fundamental science.
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- High Intensity Superconducting Proton Accelerator.
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- The Thirty Meter Telescope.
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- The Laser Interferometer Gravitational Observatory.
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- The NASA-ISRO Synthetic Aperture Radar Mission.
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What areas of Governance India needs to learn from US?

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- The science, technology and innovation (STI) landscape in the U.S.
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- Science administration of American federal agencies such as:
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1. The National Institutes of Health,

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2. The Department of Energy.
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3. The National Science Foundation.
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4. The National Aeronautics and Space Administration.
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5. The U.S. Department of Agriculture.
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How the ties can be strengthen?

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

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What are the ongoing Indo-US entrepreneurship initiatives?

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- **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.
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- **The Stanford-India Bio design Programme -** It is a research and training collaboration for bio technology.

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

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