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International Summit on Women in STEM

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Why in News

The Department of Biotechnology (Ministry of Science & Technology) organized an International Summit on Women in **STEM (Science, Technology, Engineering and Mathematics)** in New Delhi in January 2020.

- The overall aim was **to boost the participation of women in the STEM fields** for the development of a scientific career.
- Theme: **Visualizing the Future: New Skylines.**

Key Points

- The objective of the summit was to showcase successful women in the field of STEM as **real-world examples of women scientists, doctors and engineers** as well as the rewards associated with it.
- **STEM (Science, Technology, Engineering and Mathematics)**
It is a **curriculum** based on the idea of educating students in 4 specific disciplines — science, technology, engineering and mathematics — in an **interdisciplinary and applied approach.**
- A robust STEM education creates critical thinkers, problem-solvers, and next-generation innovators.
- India is one of the countries that produce the highest number of scientists and engineers, the **growth of STEM has picked up significantly over the last few years.**
- According to the **National Science Foundation**, it is predicted that **80% of the jobs** created in the next decade will require some form of math and science skills.
- Despite having the top-quality talent, the exam-focused education model of India has limited students when it comes to innovation, problem-solving and creativity. This is where the STEM players come in to fill **this gap.**
- Under **Article 51A** of the Constitution of India it is a duty of every citizen of India to develop the **scientific temper**, humanism and the spirit of inquiry and reform.

Source: PIB