Gender Equity In STEM

How can school-to-work transition be strengthened by enabling STEM (Science, Technology, Engineering and Mathematics) education and careers for girls?

SKI ANNUAL SUMMIT 2024

Hosted by
Sattva Knowledge Institute SKI | SATTVA

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The SKI Annual Summit will bring together eminent and diverse voices from the impact ecosystem to examine and chart pathways for bringing about some ambitious shifts in Agriculture, Education, Livelihoods, Digital Public Goods, Climate Change, Health, and Impact Capital. Facilitating action-focused conversations among 100+ leaders from corporates, government, philanthropic and civil society organisations in an interactive workshop format, this convening will be a catalyst in identifying gaps and co-creating knowledge that will guide paradigm-shifting decisions for impact.

The problem

Girls in India are 20% less likely to choose Science, Technology, Engineering, and Mathematics (STEM) or commerce education than their male counterparts.

Only **14% of Indian women are in STEM** careers as compared to the **global average of 28% (according to the World Bank).**

80% of jobs in the next decade will require STEM skills, and **STEM careers will offer 24% higher pay** and longevity in the future. However, girls are lagging far behind in accessing STEM subjects that enable building these future-ready skills at the school level.
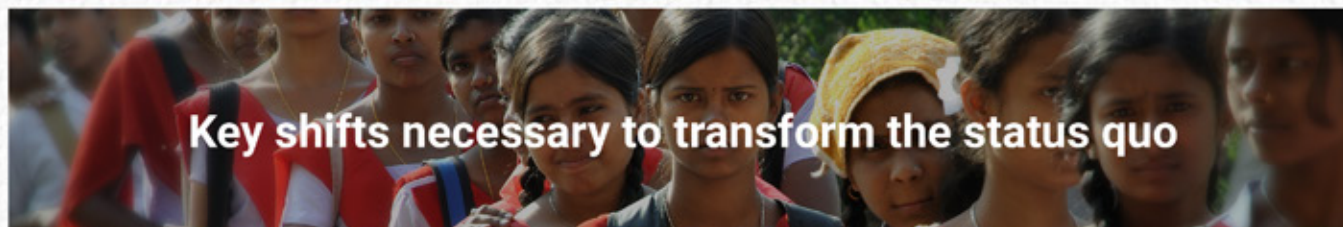
Key shifts necessary to transform the status quo

At the middle and high school levels, data shows a stark gender gap in mindset and aspirations, but not necessarily in capabilities. By higher secondary school, a large gender gap in STEM studies emerges which further widens at the tertiary education level.

Sattva's research underscores three key areas that require attention in order to address the challenges hindering girls' engagement with STEM. First and foremost, there is a critical need to cultivate aspirations among girls towards STEM. Secondly, concerted efforts are required to enhance their access to resources.

Lastly, the process efficiency of STEM delivery in classrooms demands improvement. It is also essential to keep up with the evolving nature of today's workforce, especially with the advent of artificial intelligence. This necessitates equipping youth with skills like problem-solving, critical thinking and developing a scientific temper,

Workshop Objectives

1 Validate the key big ideas/proposed solutions to enable girls' uptake of STEM education in the eight states

2 Spot frameworks identifying stakeholders (Industry and philanthropy), and their roles in implementing the recommendations.

3 Enable the ecosystem to implement the proposed big ideas by designing collaborative infrastructure and public goods.

Who will participate in the workshop?

The workshop will bring together a group of 25 leaders across philanthropy and non-profits.

📅 Feb 23, 2024   🕐 10.30 AM to 6.30 PM   📍 The Pullman, New Delhi   ⏳ Session start time: 1:45 PM   Duration: 4 hours and 15 minutes