

How Tata Consulting Engineers is strengthening semiconductor workforce development

The Tata Group company is partnering with Arizona State University to strengthen collaboration in critical and emerging technologies, beginning with semiconductor workforce development



By HRK News Bureau September 3, 2025 2 MINS READ

47856 VIEWS

Share



TATA CONSULTING ENGINEERS LIMITED

Here is good news for technical professionals working in the semiconductor space. Tata Consulting Engineers, a part of the Tata Group, is all set to support the growth of skilled talent in semiconductor fabrication, cleanroom systems, contamination control, and sub-fab infrastructure, combining expert-led sessions with applied, industry-aligned projects. How? The Indian private-sector engineering and consulting organisation, has signed a Memorandum of Understanding (MoU) with Arizona State University (ASU), US, to strengthen

collaboration in critical and emerging technologies, beginning with semiconductor workforce development.

The agreement is a major step towards advancing India's semiconductor ecosystem through international partnerships in education, training and applied research.

As part of the collaboration, the first initiative will be a joint learning and development programme created by Arizona State University and Tata Consulting Engineers. The programme will provide a comprehensive introduction to semiconductors, manufacturing processes, plant construction and controlled environments.

Developed with ASU's Ira A. Fulton Schools of Engineering, the programme is meant for technical professionals who will contribute to the design and construction of semiconductor facilities. "This partnership is a strategic step towards shaping India's semiconductor future," said Amit Sharma, managing director and CEO, Tata Consulting Engineers, and an alumnus of Arizona State University.

"Together, we aim to create benchmark semiconductor engineering capabilities, strengthen India's journey in this critical sector, and contribute to global semiconductor resilience," said Sharma.

According to Michael Crow, president, ASU, "This programme is the beginning of what we envision as a long-term collaboration to expand semiconductor workforce capacity and deliver solutions at scale. ASU is deeply committed to supporting India's ambitions in building a sustainable semiconductor manufacturing ecosystem."

It is pertinent to mention here that India is investing in establishing itself as a global hub for semiconductors, with plans for fabrication plants, assembly and testing facilities, and advanced electronics manufacturing.

These national initiatives are supported by partnerships such as this one, which focus on creating a strong talent pipeline and enabling engineering excellence.

The collaboration also aligns with the US–India Initiative on Critical and Emerging Technology (iCET), a bilateral framework to deepen cooperation in semiconductors, quantum computing, artificial intelligence and advanced telecommunications.