

## IIT Indore brainstorms on semiconductor education and research in Bengaluru

**Our Staff Reporter**

INDORE

Indian Institute of Technology (IIT), Indore organised a high-profile brainstorming session on semiconductor education and research in Bengaluru lately as part of the institute's engagement with the semiconductor industries in the country.

The event was initiated by Prof Santosh Kumar Vishvakarma, department of electrical engineering and supported by the office of dean of alumni & corporate relations.

The event brought together over 50 eminent semiconductor luminaries from the semiconductor industry alongside faculty members and officers from IIT Indore.

The objective was to deliberate on strategies to strengthen India's capabilities in semiconductor technologies, enhance education, foster innovation, and promote collaborative research.

IIT Indore director Prof Suhas Joshi said, "The primary objective of this session was to identify key thrust areas in semiconductor education and research. We also discussed exploring collaborations between

industry and academia and defining a roadmap for establishing IIT Indore as a significant contributor to India's semiconductor mission. If required, the curriculum would also be aligned to meet the emerging industry needs."

Emphasis was placed on designing interdisciplinary curricula that integrate electronics, materials science, physics, and computer engineering. The industry leaders highlighted the need for hands-on training, and research themes like advanced materials for semiconductors, quantum computing, chip design, MEMS/NEMS, AI hardware, and sustainable manufacturing were identified as high-priority areas.

Companies expressed strong interest in internship programmes, engaging with faculty, and offering guest lectures.

"The brainstorming session provided rich insights and clear directions to advance semiconductor education and research at IIT Indore. The vibrant participation of industry stalwarts and academic leaders reaffirmed the immense potential for IIT Indore to play a pivotal role in contributing to India's semiconductor ambitions," said Vishvakarma.