



## A report on **"Technical Talk – Semiconductor Design"**

@ ATME College of Engineering, Mysuru

Name of the Event: Technical Talk Date & Time: 10/06/2023, 11:15 AM Participants: 4<sup>th</sup> Sem ECE students and Staff Resource Person: Mr. Chandan H P Trainer Vivartan Technologies LLP, Mysuru

## About the Talk:

The technical talk started with welcoming of Mr. Chandan H P by presenting a bouquet by Dr. Basavaraj L, IQAC - Director and Head of ECE.

The session began with an overview of VLSI, including its design principles and its significance in modern industries. There was a discussion on the Semiconductor design is a pivotal aspect of modern technology, influencing everything from smartphones to industrial machinery. As a team lead in semiconductor design, it's crucial to stay abreast of the latest advancements and methodologies in the field.

In recent years, India has seen significant growth in semiconductor jobs and startups. With its burgeoning tech talent pool and supportive ecosystem, India has become a hub for semiconductor design and manufacturing. The availability of skilled engineers, coupled with government initiatives like the Make in India campaign, has fueled this growth.

Semiconductor design involves intricate processes such as integrated circuit design, layout, verification, and testing. Team leads must ensure efficient

collaboration among engineers, adherence to industry standards, and the integration of cutting-edge technologies like AI, machine learning, and IoT into semiconductor designs.

Furthermore, startups in India are contributing to the semiconductor landscape by innovating in areas such as low-power design, system-on-chip (SoC) solutions, and semiconductor IP development. These startups often bring fresh perspectives and disruptive technologies to the table, driving innovation and competitiveness in the global semiconductor market.

As a team lead, fostering a culture of innovation, continuous learning, and collaboration is essential for staying ahead in this rapidly evolving field. Embracing agile methodologies, leveraging simulation tools, and promoting cross-functional collaboration can enhance productivity and accelerate time-to-market for semiconductor products.

In conclusion, the growth of semiconductor jobs and startups in India underscores the country's emergence as a key player in the global semiconductor industry. With the right talent, infrastructure, and ecosystem support, India is poised to make significant strides in semiconductor design and contribute to technological advancements worldwide.

## Prepared and submitted by:

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