

School of Engineering
Department of Electronics & Communication Engineering

GUEST LECTURE REPORT

Guest Lecture was conducted by the department of ECE in association with NIVAG club on 05-12-2025 from 2.00 PM to 4.00 PM. Guest Speaker Mr.Sreedhar Gudala, Senior Manager Hardware Engineer-NVIDIA, Santa Calra,USA has taken a lecture on topic “Smart Chips for a Smart World” for final year students in ECE Seminar Hall.He has delivered lectures in various organizations and Universities. Total of around 150 students and staff participated in this programme.

The lecture focused on the evolution of semiconductor technology and the critical role of smart chips in enabling modern intelligent systems. The speaker explained how advanced chip architectures power emerging technologies such as Artificial Intelligence, Internet of Things, autonomous systems, cloud computing, and edge computing. He also highlighted the importance of high-performance, energy-efficient, and scalable chip designs in meeting the growing demands of today’s digital world.

Mr. Sreedhar Gudala provided an industry-oriented perspective on GPU-based computing, hardware acceleration, and real-time data processing. He discussed the challenges involved in chip design and fabrication, including miniaturization, power optimization, and thermal management. The session offered students a clear understanding of current trends and future advancements in VLSI and semiconductor engineering.

An interactive question-and-answer session followed the lecture, during which students actively participated by seeking guidance on career opportunities, higher studies, and skill requirements in the global semiconductor industry. The speaker encouraged students to focus on practical learning, research projects, internships, and continuous skill development to succeed in the hardware domain

The Vote of Thanks was delivered by Dr. B. Hariprasad Naik, Mentor, NIVAG R&D Group. He expressed his sincere gratitude to the esteemed guest speaker Mr. Sreedhar Gudala, Senior Manager – Hardware Engineer, NVIDIA, Santa Clara, USA, for sharing his valuable time, expertise, and industry experience with the students. Dr. Naik also thanked the management, the Head of the Department, faculty coordinators, and the NIVAG Club members for their continuous support and coordination in organizing the event successfully.

He further appreciated the enthusiastic participation of the students and faculty members, whose active involvement contributed to the success of the programme. The session concluded with a note of optimism, encouraging students to apply the knowledge gained and to strive for innovation and excellence in the field of electronics and communication engineering.

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SCHOOL OF ENGINEERING Department of Electronics and Communication Engineering

Resource Person
Mr. Sreedhar Gudala
Senior Manager,
Hardware Engineer-NVIDIA,
Santa Calra, USA

IETE Student forum and Chip Crafters Club
Presents
Expert Talk on
"Smart Chips for a Smart World:
The Role of VLSI in AI Revolution"

5th December 2025 Time: 02:00 PM Venue: ECE Seminar Hall



Glimpses of Guest lecture