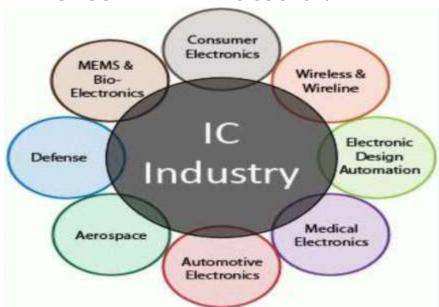# Open Elective Course

Electronics and Communication Engineering

BASIC VLSI [18EC655]

Very-large-scale integration (VLSI) is the process of creating an integrated circuit (IC) by combining thousands of transistors into a single chip. VLSI began in the 1970s when complex semiconductor and communication technologies were being developed. The semiconductor industry is the aggregate of companies engaged in the design and fabrication of semiconductors and semiconductor devices, such as transistors and integrated circuits. The global semiconductor market is projected to grow from $452.25 billion in 2021 to $803.15 billion in 2028 at a CAGR of 8.6% in forecast period, 2021-2028.

WHAT DO YOU LEARN IN THIS COURSE?

CAREER OPTIONS

Design Engineers
- ASIC frontend designers
- FPGA frontend designers
- ASIC backend designers
- Analog mixed signal designers
- Library developers
- IP design engineers
- Application engineers
- Marketing & Sales executive

Verification Engineers
- Frontend verification engineer
- Backend verification engineer
- Physical design verification engineer
- EDA tool validation engineer
- Board validation engineers
- IP verification engineers

Industries Leaders in Sensors and Signal Conditioning

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