



IIIT-Delhi launched a new B.Tech. Program in Electronics and VLSI Engineering (EVE)

New Delhi, 19th October 2022: The Indraprastha Institute of Information Technology (IIIT) Delhi has launched its first course in EE+X format B.Tech. Program - Electronics and VLSI Engineering (EVE) Electronics Engineering. The EE in EE+X stands for Electronics Engineering, and the "X" stands for some other field of knowledge or technology that compliments electronics engineering. This is in addition to the existing Electronics and Communication Engineering program. The curriculum for the EVE program is prepared after much deliberation with the industry and academicians. It will prepare a student to undertake careers in industry, pursue advanced studies for research careers, or undertake entrepreneurial activities involving innovation and problem-solving. The EVE curriculum maintains the right balance between the fixed set of VLSI-specific core courses and the flexibility of selecting elective courses based on one's interest and need. Students joining the EVE program will have to do just two extra mandatory courses than an ECE student and elective courses will be offered along five career paths in the VLSI industry and academia.

Today, electronic components are pervasive in our lives. Therefore, being self-reliant in designing and manufacturing integrated circuits has become necessary for our country, both from economic and strategic perspectives. As a result, the government, industry, and academic institutions have been working together in a concerted manner to create an ecosystem that allows the Indian semiconductor industry to flourish and fulfill these needs.

"The country is facing a severe shortage of skilled workforce in the semiconductor industry. It needs more than 85000 VLSI engineers in the next few years to make the vision of a more self-reliant India possible. In April 2022, AICTE released a notification encouraging institutes to start UG programs in VLSI design and technology.

IIIT-Delhi is also exploring ways to expose EVE students to semiconductor manufacturing (fabrication) and is planning to set up a fabrication facility or forge partnerships with existing facilities in the region. This exposure will further distinguish the students from the graduates from other institutes" says **Anuj Grover, an associate professor of the ECE department** at the institute.

