Industry collaboration:

- Synopsys : MoU signed
- GlobalFoundries: MoU signed
- HCL – MoU signed
- ECOE – MoU signed
- UTL- MoU signed
- Aarish Technology – NDA signed for 4 intern
- Juniper – Collaboration
- Cyient – PG intern and collaborative final year thesis
- Altium – PCB making mentorship

Labs:

- Digital VLSI Design Laboratory
- Analog and Mixed Signal Design Laboratory
- Embedded Systems, IoT and AI/ML Laboratory
- Space identified for FPGA lab
- Space identified for PCB lab but due to Air-condition restriction in Prayukti Bhaban the
- process on hold.

Software/Hardware:

Total computers purchased:
   a. Digital Lab: One WS as server (Synopsys), 11 PC
   b. Analog & Mixed Signal Lab: One WS, 18 PC

Servers: Dell R720

EDA software:
   a. Cadence, Synopsys, Siemens, Agilent, Ansys (All under Chip-In access)
   b. Synopsys full tool bundle (5 Asia Pac FE, 5 Asia Pac BE and 5 Asia Pac Full custom 3 years Floating license
   c. GF pdk 180, 130, 45, 22 nm

GPUs

   a. NVidia GeForce RTX3060 12 GB GPU
   b. NVidia RTX 4060 Ti 16GB Graphics card

FPGA and board/components for IoT, Embedded Systems & AI/ML

a. PYNQ Z2 board -1
b. Jetson Nano development kit-2
c. Digilent Nexys A7-100T
d. Raspberry Pi 4.0 with accessories -5
e. Arduino Uno -5
f. Arduino Mega -5
g. Node MCU -5
h. ESP32- 5
i. Temperature and Humidity Sensors (DHT11) -5
j. Pressure Sensors (BMP180)   -5
k. Proximity Sensors -5
l. Accelerometers -5
m. Gyroscopes -5
n. Magnetometers -5
o. Gas Sensors -5
p. Soil Moisture Sensors -5
q. Gas Flow Sensors -5
r. Vibration Sensors -5
s. Arduino Nano 33 BLE -5
t. Basys 3 board - 5