

Department of Electronics and Communication Engineering
National Institute of Technology Silchar

Laboratories

Sl. No.	Name of the Laboratories
1	Advanced VLSI Design Lab
2	TCAD Lab
3	Microelectronics Computational Lab
4	MEMS Lab
5	VLSI Design Lab
6	Advanced Electronics Circuits Lab
7	Speech and Image Processing Lab
8	Advanced Communication Lab
9	Communication Engineering Lab
10	DSP Lab
11	Microprocessor & Embedded Systems Lab
12	Basic Electronics Lab
13	Antenna and Microwave Research Lab
14	PCB lab



Major Equipments and Software

Sl. No.	Name of the Equipment/Software	Quantity
1	Synopsys TCAD	5
2	Comsol Multi physics	3
3	Xilinx ISE Design 14.6	50
4	Cadence and Synopsys EDA bundle	10+5
5	Silvaco TCAD	2
6	MEMS + Perpetual license	1
7	Spectrum Analyser with signal analysis software	1
8	Coventoreware Architecture Software	1
9	Microwave signal Generator (R& S)	1
10	Coventoreware Turbo	1
11	ANSYS HFSS	1
12	ELVIS Based Communication System	2
13	Tanner EDA Tool	25
14	Mentor Graphics IE3D 5 user	50
15	WARP MIMO Board V.3 cognitive radio platform	2
16	Signal Analyzer (R& S)	1
17	Spectrum Analyzer	1

Sl. No.	Name of the Equipment/Software	Quantity
18	Mixed Signal Oscilloscope.	2
19	Code Worrier Studio	1
20	ELANIX	10
21	COMMSIM	25
22	DSP Starter Kit (C6713)	30
23	DSKTMS-320C6416	5
24	Vector Signal Generator/Analyzer	1
25	RF Transceiver Kit	1
26	ADS RF Design Software	5