

**SDM College of Engineering & Technology, Dharwad-02**  
**Department of Electronics & Communication Engineering**

**PROGRAM SPECIFIC LABORATORIES**

Sl. No	Name of the laboratory	Area in (Sqm.)
1	Digital Circuit Design Lab	120.90
2	Analog Electronics Circuit Lab	74.80
3	LIC & Communication Lab	121.41
4	DSP& CCN lab	84
5	VLSI & Embedded Lab	84
6	Digital Electronics PG Lab	53.94
7	Research Lab	34.90
8	Space for Technical Support Staff, Storage of Laboratories, Consumables and Instruments	117.48
		<b>691.43</b>

**Laboratory Wise Equipment List:**

**1) Digital Circuit Design Lab**

Sl.No	Name of the Item	Quantity
1	IC-Trainers	24
2	IC-Tester	02
3	Digital Multimeter	20
4	Oscilloscope	10

**2) Analog Electronics Circuit Lab**

Sl. No	Name of the Item	Quantity
1	Oscilloscopes	13
2	Power supplies	14
3	Function Generators	33
4	Decade Resistance Box	15
5	Decade Inductance Box	22
6	Decade Capacitance Box	19
7	Digital Multimeter	26
8	LCR Meter	02

### 3) LIC & Communication Lab

Sl.No	Name of the Item	Quantity
1	Power Supplies	10
2	Oscilloscopes	14
3	Decade Capacitance Box	17
4	Digital Multimeter	10
5	Decade Inductance Box	28
6	Decade Resistance Box	14
7	Function Generator	15

### 5) DSP & CCN Lab

Sl.No	Name of the Item	Quantity
1	MAT LAB Software	50 User
2	DSP Processor Kits	15
3	Turbo C Ver 7.00	01
4	Network simulator Open source	--

### 6) VLSI & Embedded Lab

Sl.No	Name of the Item	Quantity
1	SPJC Compiler	20
2	ALS(Kit) 8051	16
3	ALS-NIFC-06A Dual DAC I/F	11
4	ALS NIFC -17 Elevator control i/f	05
5	ALS-NIFC-01 A Stepper Motor Interface	06
6	ALS NIFC -46 multiplexed display and keypad	6
7	ALS NIFC -45 LCD and key board	6
8	Cadence software	20 user
9	Spartan 6 Daughter Board with downloader Xilinx 14.7	13
10	FPGA Boards	11
11	ARM Processor Trainer Kit LPC 2148	11
12	IOT Base board	6
13	Raspberry PI board	3
14	Auduino procesor board	3

### 9) Digital Electronics PG Lab

Sl.No	Name of the Item	Quantity
1	LabVIEW	20
2	ARM Cortex Kits	06
3	SDR Kits	02

### Other Equipment's

<b>Sl. No</b>	<b>Name of the Item</b>	<b>Quantity</b>
1	Microprocessor Kits	15
2	Spectrum Analyzer	01
3	Digital Storage Oscilloscopes	04
4	Communication Package	01
5	Microwave Benches	05
6	Radar Demonstration Kits	01
7	Micro strip Antenna Kit with Accessories	1
8	Camera	01
9	Micro soft box with Kinect	01
10	Dimmer Stats	02
11	Desktop Computers	60