

List of Experimental Setup in each Laboratory / Workshop	
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## Department of Chemical Engineering

### List of Experimental Setup in each Laboratory

#### 1. CHEMICAL REACTION ENGINEERING LABORATORY

S. No.	Name of Equipment
1.	Adiabatic Batch Reactor
2.	Temperature Effects In Batch Reactor
3.	Continuous Stirred Tank Reactor
4.	Plug Flow Reactor
5.	Packed Bed reactor
6.	Residence time distribution (RTD) in Tubular Reactor
7.	Variable speed mixer

#### 2. PROCESS DYNAMICS AND CONTROL LABORATORY

S. No.	Name of Equipment
1.	First-Order and Second-Order System
2.	Level Control Trainer
3.	Temperature Control Trainer
4.	Flow Control Trainer
5.	Pressure Control Trainer
6.	Interacting and Non-Interacting Systems

#### 3. MASS TRANSFER OPERATIONS

S. No.	Name of Equipment
1.	Batch Dryer
2.	Gas Diffusivity equipment
3.	Simple Distillation
4.	Steam distillation
5.	Packed Column
6.	Vapor Liquid Equilibrium

#### 4. MECHANICAL UNIT OPERATIONS

S. No.	Name of Equipment
1.	Sieve Analysis
2.	Ball Mill
3.	Pulveriser
4.	Vibrating Screen
5.	Jaw Crusher
6.	Plate and Frame Filtration
7.	Roll crusher
8.	Drop Weight Crusher
9.	Cyclone Separator

## 5. PROCESS HEAT TRANSFER LABORATORY

S. No.	Name of Equipment
1.	Stefan Boltzmann Apparatus
2.	Emissivity Measurement Apparatus
3.	Composite Wall
4.	Lagged Pipe Apparatus
5.	Pin-Fin Apparatus
6.	Heat Exchanger
7.	Critical Heat Flux Apparatus
8.	Thermal Conductivity of Insulating Powder

## 6. FLUID MECHANICS LAB

S. No.	Name of Equipment
1.	Orifice meter and Venturi meter
2.	Notches (V, Rectangular and Trapezoidal types)
3.	Major Losses and Minor Losses (Sudden Enlargement & Sudden Contraction)
4.	Mouthpiece under Constant Head & Variable Head
5.	Bernoulli's theorem

## 7. TECHNOLOGY OF SURFACE COATINGS LAB

S. No.	Name of Equipment
1.	Scratch Hardness Tester
2.	Paint Film Thickness Tester
3.	Flexibility Test
4.	Paint Gloss Tester
5.	Impact Resistance Tester

## Department of CSE

### List of Experimental Setup in each Laboratory

S. No.	Name of the Lab	Experimental Setup
1	CSE Lab 1	Software Engineering Lab, Mini Project-I, Java Lab, DBMS, Mini Project-II, BDS
2	CSE Lab 2	DCCN Lab, Mini Project-I, DBMS, Mini Project-II, BDS
3	CSE Lab 3	OS Lab, Mini Project-I, WT Lab, Mini Project-II, BDS
4	CSE Lab 4	Java Lab, Mini Project-I, INS, M. Tech (BDA Lab, Mini Projects, Seminars, Projects),
5	CSE Lab 5	CAMP, INS, BDS, DELD
6	CSE Lab 6	CAMP, INS, BDS, ML
7	CSE Lab 7	DSBDA Lab, Mini Project-I, IoT, INS
8	CSE Lab 8	CP Lab, Programming and Problem Solving, OOPs with Python.
9	CSE Lab 9	IoT, DELD
10	CSE Lab 10	CP Lab, OOSD Lab, Programming and Problem Solving.
11	TPO-1	PPS Lab, Data Mining, INS
12	TPO-2	Mini Project, Data Mining, INS
13	TPO-3	CP Lab, OS Lab, OOSD, INS
14	TPO-4	Data Mining
15	A Block Labs	EGD, PPS

## Department of EEE

### 1. MICROCONTROLLER AND ITS APPLICATIONS LAB

S.no	Name of the Experiment
1.	Programs using data transfer instructions- block move, exchange, sorting, finding largest element in an array. ( using 8051 MC Kit)
2.	Programs using arithmetic instructions: multi byte operations. ( using 8051 MC Kit)
3.	Programs using Boolean and logical instructions (Bit manipulations). ( using 8051 MC Kit)
4.	Programs using JUMP and CALL instructions. ( using 8051 MC Kit)
5.	Programs to generate delay, Programs using serial port and on-chip timer/counter. ( using 8051 MC Kit)
6.	Programs using look up table. ( using 8051 MC Kit)
7.	Programs using interrupts. ( using 8051 MC Kit)
8.	DAC interfacing for generation of sinusoidal waveform. (using C cross compiler Software)
9.	Stepper motor control (Clock wise and Anti clockwise directions). (using C cross compiler Software)
10.	Interfacing of Keyboard and 7- segment display module. (using C cross compiler Software)
11.	ADC interfacing for temperature monitoring. (using C cross compiler Software)
12.	Traffic signal light controller. (using C cross compiler Software)

## 2. POWER ELECTRONICS LAB

S.no	Name of the Experiment
1.	Study of static characteristics of S.C.R. and to measure latching & holding currents.
2.	Study the characteristics of BJT, MOSFET and IGBT.
3.	R, RC and UJT triggering circuits for SCR
4.	Study of forced commutation techniques of SCR.
5.	Single phase half-controlled bridge rectifier with R and RL loads.
6.	Single phase fully controlled converter with R and RL loads and freewheeling diode
7.	Single phase full converter as a controlled rectifier and inverter.
8.	Three phase half-controlled bridge rectifier with R and RL loads.
9.	Three phase fully controlled bridge rectifier with R and RL loads.
10.	DC voltage control using Buck and Boost choppers.
11.	Voltage commutated chopper with R&RL loads
12.	Current commutated chopper with R&RL loads.
13.	Single phase step down Cyclo converter with R and RL loads.
14.	Single phase A.C voltage controller with R and RL loads
15.	Half and Full bridge inverters with R&RL loads.
16.	Simulation of Single-Phase Full converter and Semi converter with R & RL loads and freewheeling diode.
17.	Simulation of Three Phase Full converter and Semi converter with R & RL loads.
18.	Simulation of Single-phase AC voltage controller with R & RL loads
19.	Simulation of single phase Cyclo converter with R & RL loads.
20.	Simulation of single-phase half-bridge & full-bridge inverters.
21.	Simulation of three phase bridge inverter in different modes.
22.	Simulation of Single Phase Inverter with single, multiple and sinusoidal pulse width modulations.

## 3. ELECTRICAL MACHINERY LAB - I

S.no	Name of the Experiment
1.	OCC and Load characteristics of separately excited DC generator.
2.	OCC and load characteristics of DC shunt generator.
3.	Load characteristics of DC compound generator.
4.	Speed control of DC shunt motor by field control and armature control method
5.	Swinburne's test on DC shunt machine to predetermine the efficiency of DC shunt machine at any given load.
6.	Load test on DC shunt motor.
7.	Load test on DC series motor.
8.	Hopkinson's tests on DC shunt machines.
9.	Separation of stray losses of DC shunt machine.
10.	OC and SC test on single phase transformer.
11.	Load test on single phase transformers.
12.	Sumpner's test on two identical single phase transformers.

#### 4. ELECTRICAL MACHINERY LAB - II

S.no	Name of the Experiment
1.	Three phase to two phase conversion of transformer (Scott connection)
2.	Performance characteristics of Single-phase Induction motor.
3.	Speed control of 3 phase induction motor by rotor resistance control and by V/f control method.
4.	No- load test of slip ring induction motor to determine the relationship between i) Applied voltage and speed, ii) Applied voltage and rotor current, iii) Applied voltage and stator current, iv) Applied voltage and power factor, v) Applied voltage and power input.
5.	No-load test, blocked rotor test and load test on 3-phase squirrel cage Induction motor.
6.	Power Factor Improvement of Induction motor using capacitors.
7.	Line excited induction generator characteristics.
8.	Voltage regulation of Alternator by a) Synchronous Impedance method. b) Ampere-Turn method.
9.	Voltage regulation of Alternator by Zero power factor method.
10.	Measurement of $X_d$ and $X_q$ of 3 phase salient pole synchronous machine by conducting slip test.
11.	Synchronization of 3phase alternator to bus bar using dark lamp method.
12.	Variation in the active and reactive power of an alternator connected to an infinite bus by (a) varying excitation, (b) varying Mechanical-power input.

#### Department of ECE

NAME OF THE LAB: ELECTRONIC CIRCUITS-II-Lab

Room.No. N-003

Sl No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1	7	Servo Voltage Stabilizer	Physitech	1	13/05/2015	7328	
2	5	DC Regulated Power Supplies	Physitech	12	13/05/2015	38904	
3	1	Oscilloscopes(30MHz Dual Trace )	Scientific	6	13/05/2015	99792	
4	1	Oscilloscopes(70MHz Dual Channel )	Mextech	6	13/05/2015	120960	Two nos transferred to EWS lab (S.No. NEU000021305 25, NEU000021305 32), One transferred to IC lab (S.No.NEU000 02130521),One

							transferred to CE lab (S.NO.NEU000 01121048),One transferred to MC lab (S.No.NEU000 02130514)
5	3	Function Generator (3Mhz)	Scientific	12	13/05/2015	83160	One transferred to EC-I lab (S.No.14011783 9),Two nos Transferred to IC lab( S.No. 140218139,1402 18124) ,Four nos transferred to EWS Lab (S.No.14021811 31,140218129,1 40218132,14021 8138)
6	9	Digital Multimeters	HTC	7	13/05/2015	14350	
7	9	Digital Multimeters	METRAVI	22	13/05/2015	66990	Eight nos transferred to EWS lab,Five nos transferred to EC-I lab,four nos transferred to IC lab
8	7	SEMI CONDUCTOR TRAINER KITS FT308	FUTURE TECH	10	13/05/2015	40692	
9	11	DRB	MULTITEC H	6	16/07/2015	9170	Five transferred to EC-I lab, One Transferred to EWS lab
10	11	DCB	MULTITEC H	4	16/07/2015	8980	
11	11	DIB	MULTITEC H	4	16/07/2015	7541	
<b>TOTAL Amount</b>						<b>497,867</b>	

Sl No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1	35	Servo Voltage Stabilizer	Physitech	1	25/04/2014	7,328	
2	25	DC Regulated Power Supplies	Physitech	12	25/04/2014	38,904	
3	6	Oscilloscopes (20MHz Dual Trace)	Scientific	6	25/04/2014	99,792	
4	6	Oscilloscopes(60MHz Dual Channel)	mextech	2	25/04/2014	80,640	
5	16	Function Generators/Oscillators	Scientific	12	25/04/2014	83,160	One transferred to EWS lab , four AEC lab
6	80	Digital Multimeters	HTC	8	03/07/2014	16,400	4 nos transferred to AEC lab
7	80	Digital Multimeters	METRAVI	23	03/07/2014	70,035	6 nos transferred to IC lab
8	40	SEMI CONDUCTOR TRAINER KITS FT308	Future tech	12	03/07/2014	40,692	
9	70	DRB	Multitech	6	16/07/2015	9,170	One transferred to AEC lab
10	70	DCB	Multitech	4	16/07/2015	8,980	
11	70	DIB	Multitech	4	16/07/2015	7,540	four Transferred to EWS lab
<b>TOTAL Amount</b>						<b>462,641</b>	

S.No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1	2	TVS MSP 345 dot matrix printer	TVS	1	22/10/2002	13500	Stores
2	2	Cassette recorder	Philips	1	16/10/2002	8717	Stores
3	3	Data projector(LCD)	Sharp	1	30/12/2002	135000	
4	3	computers	IBM	21	31/03/2003	1165500	Stores
5	4	Networking materials	D-link	6	06/05/2003	38650	L-Block
6	4	Multisim (5 Users)	Multisim	1	29/01/2004	50285	

7	4	OHP	Primovision	1	21/02/2004	14200	Stores
8	5	Laser printer	HP 1020	1	16/08/2005	9250	HOD front office
9	5	RAMs 1GB	DDR	22	09/01/2009	27060	
10	5	Batteries	Power safe	16	22/10/2009	33800	Buyback batteries
11	7	Wireless AP2640 with external antenna (WiFi)	Siemens	1	08/02/2010	56160	In L-Block
12	7	Document camera	Aver media	1	21/05/2010	34350	
13	8	Laser Jet 1020+ Printer	HP	1	08/03/2011	5750	
14	8	Computer with out DVD	HP	1	30/03/2011	26500	
15	10	Computer with out DVD	Dell	1	20/04/2011	26200	
16	8	Computer with DVD	Dell	3	20/04/2011	81000	
17	17	National instruments LabVIEW Software (TEQIP)	NI	1	31/12/2013	985317	( 50 Users, 30-ECE, 20-EEE)
18	18	Custom Bundle: NI Lab VIEW Academy Hardware Bundle:	NI	1	27/09/2016	599999	
19	19	Digital Storage Oscilloscope	Akademica	2	05/11/2016	34020	one Transferred to Circuits lab -I
20	20 & 21	DELL Optiplex/i7/8/1 TB	DELL	5	28/06/2017	235331	
21	22	LCD Projector	Panasonic	1	28/04/2018	46296	
22	24,25	computers	DELL	3	18/01/2019	174960	
23	25	computers	DELL	1	18/01/2019	50402	
24	26	Custom Bundle NI La View Academy Hardware Bunlde of Advanced Simulation Lab Including following items	TechFluent solutions Pvt Ltd	1	30/10/2019	649000	



	HSN/SAC Code: 90329000 , NI myDAQ- Student kit with labview & Multisim student edition, part.no. 781327-01	5		
	90328910, NI myRIO- 1900 for student purchase only including WIFI and MSP Connect, part.no 782693-01	10		
	90329000, NI Starter Accessory kit, part.no 783068-01	1		
	90329000, Nimy RIO Kits: Machatronics kit , 7830 69-01	1		
	90329000, NI mu RIO Kit; Starter kits: Embedded kit part.no.783070-01	1		
<b>TOTAL Amount</b>				<b>4,501,247</b>

NAME OF THE LAB: **SSP/HDL LAB**

**Room No.  
N-101**

S.No.	Stock book Page No.	Name of the Equipment	Make/ Model	QNT.	Date of Purchase	Amount Rs.	Remarks
1	9	Multimeters	ITL	3	22/04/1986	3660	
2	15	Power Supply	ITL	1	26/10/1991	2548	
3	9	Multimeters	ITL	1	27/14/1996	2995	
4	21	Scanner (01)	HP	1	05/10/2000	5350	
5	11	MATLAB	Cranes	1	02/03/2000	162450	
6	25	VHDL Software	INC:USA	1 set	03/06/2001	249600	
7	4	Computers	IBM Intel Pentium -IV	9	13/03/2003	499500	
8	28	Active HDL	Trident Tech	20+5	10/01/2005	700000	
9	28	Trainer Kits	Trident Tech	5	12/01/2005	160000	

10	4	Computers	IBM Intel Pentium -IV	6	09/05/2006	333000	
11	13	Signal Generator	Frax	1	30/03/2007	4460	
12	11	MATLAB	Cranes	25	04/03/2007	735072	
14	45	RAM	SV Electronics	8	19/2/2008	8400	
15	17	Laser Jet	HP	1	23/2/2009	6400	Transferred to CC Lab
16	36	DSP Starter Kits	Testronics	5	03/04/2009	100000	
17	14	Oscilloscope	EZ	1	09/10/2009	17786	
18	46	HDL software	Mentor graphics	1	11/09/2010	430000	
19	17	Laser Jet printer	HP/ 1020 Plus	1	03/08/2011	5750	
20	6	Computer	HP	1	30/03/2011	26500	
21	8	Computer	Dell	1	20/04/2011	27000	
22	23	UPS	Arun	1	22/02/2013	117000	
23	62	External Hard Disk	Dell	1	23/11/2015	4199	
24	329,330	Computers	Dell	25	15/09/2015	1622500	
25	1A-138	DSP Kits	OMAPL	8	2016	181460	
26	329,330	Computer	Dell-I7	1	22/06/2017	47065	
27	10	LCD Projector	Panasonic	1	11/12/2017	46296	
28	67	Batteries	Quanta	18	21/03/2018	52038	
29	52	Computers(i7)	DELL	1	11/01/2019	58320	
30	52	Computers(i5)	DELL	2	11/01/2019	100804	
<b>TOTAL Amount</b>						<b>5,710,153</b>	

S.No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount	Remarks
1	3 & 4	Cadence Tools Software Bundldle 3: University Bundle Analog and Digital FE & BE (for UG Course)	Cadence Design Systems	20 users	27/06/2013	797500	
2	2	i. RedHat Enterprise Linux (Academic Edition) MC 1065 Software ii. Media kit for Red Hat 6.3 version RHF1027AP	Red Hat	1 user 1	29/07/2013	32107	
3	2	10 KVA Online UPS	Power Inn Systems & Controls / 10KVA/192VDC	1	12/08/2013	105210	
4	3	Battery Stand with inter connecting cables	--	1	12/08/2013	3435	
5	5	Mentor Graphics Software Backend Tools- HEP1	Mentor Graphics	30 users	31/12/2013	322740	
6	4 & 5	Desk top computer systems with graphic card	HP 3330 Core i7-3770/8GB RAM/1 TB HDD/DVD-RW	20	08/01/2014	975450	
7	6	Vivado System Edition Software	Xilinx	25 users	30/04/2014	115500	
8	6	Atlys Spartan 6 FPGA Boards	Digilent	5	30/04/2014	110250	
9	6	Zed Boards (Zynq-7000 EPP Development kit)	Digilent	2	19/05/2014	75600	
10	7	26 AH 12V Amaron Quanta SMF Batteries	Amaron Quanta SMF	16	12/05/2016	25200	
11	8	Panasonic PT-LX300 Projector	Panasonic	1	12/10/2017	39456	
12	8	Projector Screen	Liberty Lite	1	12/10/2017	4480	
13	7	26 AH 12V Amaron Quanta SMF Batteries	Amaron Quanta SMF	16	27/10/2018	31040	
14	8,9	Renueal Cadence University Bundle UG to PG upgraded term based 3 years PG bundle Analog & Digital FE&BE PG3Y20L	Cadence Design Systems	20	31/01/2019	1231360	

15	9	Desktop Computer	DELL	1	31/01/2019	76384	
16	10	ZED Boards	Digilent	8	06/02/2019	363440	
<b>Total Amount</b>						<b>4,309,152</b>	

NAME OF THE LAB: CCN - Lab

Room.No. N-105

Sl.No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1	60	Printer Head-Wipro LQ1050	Wipro	1	17/11/1998	5485	Stores
2		Paper Feed Roller Nob with TAX					
3	40	Fire Extension 1Kg Capacity	Smart Fire	1	09/07/2001	1500	Stores
4	30	IBM Netvista A30, Intel Pentium -IV 2.4 GHZ, 256 MB RAM / 1.44MB FDD, 48x CD-ROM Drive, 40 GB HDD, 17" SVGA Colour Monitor, 107 keys keyboard, IBM Mouse	IBM	10	13/08/2003	555000	one system is transfred to dept.library, Ramaing in Stores
5	60	Wipro LQ1050 DX Printer Head	Wipro	1	13/01/2004	4700	Stores
6	20	SMF Batteries of 12V/45AH,Make:Rocket,Global Yausa	SMF	4	12/01/2005	10000	Stores
7	10	1KVA UPS 30Minutes Backup for 3 Systems Make:Shretech	Shretech	1	19/01/2005	8000	GVPK Room
8	10	0.5KVA UPS 40minutes backup for one system(for Internet)	Altratech	2	19/01/2005	4800	Stores
9	60	1 GB Pendrive	Tracent	1	06/11/2006	1750	Stores
10	20	SMF Batteries Exides	SMF	4	08/06/2007	2500	Stores

11	11	Lenovo Think centre Intel (R), Pentium (R) D CPU 3.00GHz,512MB RAM (504MB),DVD/CD-RW Drive,80GB HDD,Lenovo colour monitor with keyboard and mouse	Lenovo	10	21/07/2007	246000	5 in Stores , 1 is transferred to Dr.AD Sarma
12	11	6KVA Online UPS system, Power ware Make, supplied by M/s.Transindia Control systems pvt.Ltd.	Power ware	1	09/08/2007	107016	L-Block Scrap
13	11	Lenevo think centre LCD Monitor Systems	Lenovo	1	04/06/2008	28995	Not Working
14	44	N-Sim Network Software	Falcon	20	21/06/2008	67340	
15	44	L-Sim Protocol Simulator & Analyser software (Falcon Make)	Falcon	4	21/06/2008	166400	
16	54	Wireless extension	Falcon		21/06/2008	13760	
17	54	LAN Trainer System	Banch Mark		21/06/2008	162000	
18	44	LAN T software	Banch Mark	1	27/06/2008	110000	
19	54	Wireless LAN-I Network Simulation	(UE :Make)	1	23/06/2008	122000	
20	54	Wireless LAN-I Network Simulation	Falcon	1	21/06/2008	13760	
21	22	6 KV UPS batteries	Amaraja	20	23/02/2010	33800	Buy Back
22	16	Laser Jet 1020 +	HP	1	08/03/2011	5750	
23	11	Computer with out DVD	Dell	2	28/04/2011	52400	one transfer to Professor (Dr.AVNR to NDL)
24	22	UPS Batteries	Exide	20	18/02/2014	35000	L-Block scrap
25		10 KV UPS	Arun Pro	1	27/02/2012	Nil	Recived from Bio Tech
26	22	UPS Batteries	Exide	18	16/11/2016	Nil	Buy Back

27	15	Computers	Dell	20	28/06/2017	896500	1 system transferred to HOD room ,1 system transfred to front office for operator
28	34	LCD Projector	Panasonic	1	28/04/2018	46296	
29	73	Computer	DELL	1	18/01/2019	50402	
30	26	10 KV UPS Batteries	Amron Quanta	18	20/09/2019	29144	
<b>TOTAL Amount</b>						<b>2780298</b>	

NAME OF THE LAB: **Microprocessor & Microcontroller - Lab**

Room.No. **N-106**

S.No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1	29	8086 MP kit	Computronics System	1	01/10/1990	5350	
2	51	Stabilizer	Staval	1	20/09/1991	5050	Stores
3	45	Power supplies	ITL	1	30/10/1991	2548	
4	21	Interfacing boards	Vinytics	4	08/11/1991	2855	
5	22	Trafic Control Board	VI Micro	4	24/01/1992	750	Stores
6	29	Microprocessors kits (8085 )	Vinytics	6	27-7-94	21000	
7	45	Power supplies	Future Tech	6	27/07/1994	5760	
8	31	Microprocessors kits (8085-2 ) , (8086-6)	VI Mirco Systems	8	20/05/1995	24000	Transferred from CSE Dept. Now they are in stores
9	41	CRO	Philips	1	16/04/1996	14400	Replaced by DSO
11	3	Computers	Intercellron PC	5	11/02/2000	137500	Stores
12	43	Printer	TVSV MSP 345	1	11/02/2000	12000	Stores
13	3	Computers	PIII	2	18/03/2000	79100	Stores
14	11	Compact disk drive	48X MAX	1	11/02/2000	2300	Stores

15	21	Interfacing boards	ESA	11	24-3-2000,	16355	
16	13	UV Eraser	ESA	1	08/04/2000	2200	
17	29	Microprocessors kits(13)	ESA,	13	08/04/2000	87000	
18		(8085 (04), 8086/8088 (08), 8031, 31/51(01))					
19	5	Computers	IBM Net Vista	9	08/04/2003	499500	
20	67	UPS with batteries	RC All Tech	1	31/05/2005	69160	
21	30	Microprocessors kits (8051 (10), 8086 (06), 8085 (06))	Anshuman	22	05/06/2005	132611	
22	22,23	Interfacing boards (30)	Anshuman	20,R S 232 -5, 26 PIN FRC -5	05/06/2005	27520	
23	30,31	Microcontroller kits	Spectrochem, 89S52	13	10/07/2006	236250	
24	31	Sensor Interface (2 Sets)	Spectrochem		10/07/2006	36000	
25	6	Computers	IBM(Netvista)	1	21/07/2007	55500	
26	6	Computers	Lenevo Think Center	1	21/07/2007	24600	
27	6	Computers	Lenevo Think Center	6	21/04/2008	173970	
28	7	Computers	IBM Think Center	1	21/07/2008	55500	Transferred from HOD office
29	41	CRO	EZ 055020	1	09/01/2009	17784	
30	14	FRC connectors	Anshuman	15	05/02/2009	2250	
31	32	Microprocessors kits & Interfacing Boards (8086 (06), 8051 (06), interfacing boards power supply added (67))	Anshuman	79	13/03/2009	163252	
32	14	Connectors (single, 2 pin )	Spectrochem	42	28/01/2011	1700	
33	43	Laser Jet 1020+ Printer	HP	1	08/03/2011	5750	
34	7,8	Computer with out DVD	Dell	2	20/04/2011	52400	

35	34	Microcontroller Evaluation boards v1.0	Texas Instruments	6	31/10/2013	Nil	TI Sponsored
36	46	Windreaver Vxworks Software	Corel Tech	5 users	31/12/2013	1890000	
37	41	DSO	Mexitech (DSO-5070)	1	13/05/2014	20160	Transferred from EClab -II
38	37	LCR Multimeter	Metravi	1	03/07/2014	3045	
39	8	IBM Desktop Computers	IBM	5	11/12/2014	277500	Recived from CC lab
40	34	8086(8) , 8051(8) , 8085(4) mp kits	Anshuman	20	02/02/2015	204750	
41	24	Interfacing boards	Anshuman	20			
42	41	20 mh CRO (analog)	HTC	2			
43	37	DMM	V8200D	1			
44	10	COMPUTERS	DELL OPTILPEX I5	5	20/08/2015	225000	one system at GMR.
45	36	ARM7 TRAINNER KITS (10), POWER SUPPLIES(10), USB 2 SERIAL PORT Converter Cables(10)	Physitech, LPC2148	30	24/10/2016	175980	
46	55	Embedded 8051 mc kits	SS lab, P89V51RD2	18	09/04/2018	220896	
47	54	ARM7 TRAINNER KITS(15) &POWER SUPPLIES(15) with USB 2 SERIAL PORT Convert Cards(20)	Physitech, LPC2148	50	20/04/2018	323446	
48	16	Computers	Dell core i7	10	28/06/2017	448250	
49	52	LCD Projector	Panasonic	1	12/10/2017	46296	
50	57	Embedded 8051 mc kits	SS lab, P89V51RD2	12	30/11/2018	147264	
51	58	ARM7 TRAINNER KITS(5),POWER SUPPLIES(5) & USB 2 SERIAL PORT Conveter Cables(5)	Physitech, LPC2148	15	04/12/2018	106355	
52	16	Computers	DELL	10	18/01/2019	504020	



53	59	ARM Board8538(STM32F401 - Nos: 04), LPC 2148 DEV Board(8517 - Nos: 02)	Roland Electronics	6	27/05/2019	12154	
54	22	Projects (Design and development of predetection and app based notification potholes and humps)	Raspbhery-pi	1	09/05/2019	9935	Others
55		Projects (Deep learning based firefighting Robot)	XUR '4008 HSX	1	514/04-05-2019	7130	
56	26	Projects (IoT based smart home security system using light weight cryptogtaphy)	Raspbhery-pi3 Model B	1	6053/07-09-2019	12296	
57	24	Projects(IoT based Heart rate monitoring system and simulation of heart pumping)	Raspbhery-pi	1	WA-FY18-19/483/12-02-2019	10189	
<b>TOTAL Amount</b>						<b>6,616,581</b>	

NAME OF THE LAB: MICROWAVE LAB

Room.No. N-201

S.No	SR Pg. No	Name of the Equipment	Make & Model	Qty	Date of Purchase	Amount Rs	Remarks
1	106	Matched termination x4000	Vyu , X4000	2	03/09/1980	740	
2	6	Analog Multimeters	Motwani,8xmx3	1	22/05/1982	1890	
3	6	Analog Multimeters	Motwani,8xmx3	1	22/05/1982	1890	
4	6	Analog Multimeters	Motwani,8xmx3	1	22/05/1982	1890	
5	1	Attenuators Variable 6DB	Vyu,X5006	1	26/11/1982	400	
6	1	Attenuators Variable 10DB	Vyu,X5020	1	26/11/1982	850	
7	1	Attenuators Variable 20DB C band	Vyu,C BAND	1	09/02/1982	1470	
8	10	E-plane Bends	Vyu,X7071	1	26/11/1982	280	
9	11	H plane Bends	Vyu,X7075	1	26/11/1982	295	
10	20	Crystal Detectors	Vyu,IN23	4	28/11/1982	500	
11	22	Co-axial towards adapters	Vyu,356/1	1	26/11/1982	295	

12	23	Co-axial thermistor mount 10 Mg to 10 Gh	ECL,VA135	1	11/11/198 2	9391	
13	30	Direction Coupler	Vyu,X6003	1	26/11/198 2	750	
14	30	Cross Direction Coupler	Vyu,X6002	1	26/11/198 2	530	
15	50	Frequency Meters- indirect reading	Vyu,X4055	1	26/11/198 2	1070	
16	50	Frequency Meters- direct reading	Vyu,X4155	1	26/11/198 2	3380	
17	53	Flange Covers	Vyu,UG14	6	26/11/198 2	83	
18	80	Isolator	Vyu,X6021	1	26/11/198 2	1125	
19	90	Klyston Mount	Vyu,X2051	2	26/11/198 2	680	
20	94	Klyston tube 723AB	Vyu,7323AB	3	26/11/198 2	2550	
21	106	Matched termination x4000	Vyu,X400	3	26/11/198 2	855	
22	110	Movable short	Vyu,	2	26/11/198 2	580	
23	110	Movable short 40mm micro meter	Vyu,X40	1	26/11/198 2	735	
24	114	Microwave power meter	SICO,82305	1	11/11/198 2	11385	
25	124	Pyramidal wave guide horn	Vyu,X5041	2	26/07/198 2	1080	
26	124	Pyramidal wave guide horn c band	Vyu,C BAND	1	09/02/198 2	1150	
27	144	SS with universal probe carrier x 6051	Vyu,X6051	1	26/11/198 2	1370	
28	148	Solid Screw tunes x 6051	Vyu,X6051	1	26/11/198 2	550	
29	150	SS tuners with micrometer and vernier scale x 4141	Vyu,X4141	1	26/11/198 2	870	
30	162	E-H tunnel x 4451	Vyu,X4451	1	26/11/198 2	655	
31	176	Wave guide detector mount x 4051	Vyu,X4051	2	26/11/198 2	1070	
32	176	Wave guide detector mount x 4051	Vyu,X4051	1	26/11/198 2	440	
33	178	Wave guide twist x 7051	Vyu,X7051	1	26/11/198 2	425	
34	180	Wave guide stands	Vyu,X5035	24	26/11/198 2	2400	
35	182	Circular to rectangle wave guide	Vyu,X9051	1	26/11/198 2	750	
36	164	E-Plane tee x 3061	Vyu	1	26/11/198 2	310	
37	166	H-plane tee x 3065	Vyu	1	26/11/198 2	310	
38	168	E-H Tee x 3145	Vyu	1	26/11/198 2	380	
39	168	E-H Tee x 3145	Vyu	1	26/12/198 2	920	
40	20	Crystal Detectors	Vyu,IN23	1	09/02/198 3	125	

41	24	Circulator three port	Vyu,X6022	1	09/02/1983	875	
42	34	Wave guide detector mount x 4051	Vyu,X4051	1	09/02/1983	1130	
43	50	Frequency Meters-indirect reading C band	Vyu,X4055	1	09/02/1983	1775	
44	105	Light cell with 60 mm micrometer water jacket & E plane bend	Vyu,	1	09/02/1983	1780	
45							
46	106	Matched termination x4000-Cband	Vyu,X4000	1	09/02/1983	740	
47	110	Movable short c band	Vyu,C BAND	1	09/02/1983	1060	
48	126	Power supply klystron HP 1010	Vyu,HP1010	2	09/02/1983	4900	
49	128	Probe with tunes	Vyu	2	09/02/1983	640	
50	128	Probe with tunes	Vyu	2	09/02/1983	640	
51	128	Probe with tunes Cband	Vyu, CBAND	1	09/02/1983	680	
52	144	SS with universal probe carrier x 6051	Vyu,X6051	1	09/02/1983	1370	
53	144	SS with universal probe carrier c band	Vyu,C BAND	1	09/02/1983	2550	
54	148	Solid Screw tunes x 6051 Cband	Vyu,X6051	1	09/02/1983	1380	
55	164	E-Plane tee	Vyu,x 3061 C band	1	09/02/1983	670	
56	166	H-plane tee	Vyu,x 3065	1	09/02/1983	670	
57	182	Circular to rectangle wave guide	Vyu,c BAND	1	09/02/1983	1870	
58	30	Direction Coupler	Vyu	1	09/02/1983	1785	
59	184	Wave guide switch	Vyu	1	09/02/1983	1180	
60	56	Gunn Oscillators	Vyu,X2151	1	16/08/1984	2870	
61	132	Pin modulator	Vyu	1	16/08/1984	1740	
62	60	Gunn Power supply-X110	Vyu,X110	1	16/08/1984	2460	
63	152	Standing wave indicator	Vyu,SU410	2	16/08/1984	5340	
64	20	Crystal Detectors	Vyu,IN23	1	31/01/1985	150	
65	6	Analog Multimeters	Motwani,8xmx3	4	03/09/1986	10400	
66	22	Co-axial towards adapters- C Band	Vyu, CBAND	1	03/09/1986	755	
67	30	Direction Coupler,3 DB, 10DB	Vyu,X6006	2	03/09/1986	2100	
68	50	Frequency Meters-indirect reading	Vyu,X4055	1	03/09/1986	1480	
69	50	Frequency Meters- direct reading	Vyu,X4155	1	03/09/1986	3875	
70	60	Gunn Power supply-X110	Vyu,X110	1	03/09/1986	2980	

71	80	Isolator	Vyu,X6021	1	03/09/1986	1360	
72	56	Gunn Oscillators	Vyu,X2151	1	03/09/1986	3570	
73	176	Wave guide detector mount x 4051	Vyu	2	03/09/1986	1190	
74	158	Servo controlled voltage stabilizers 2KV	Stavol	1	20/09/1991	5050	
75	24	Circulator three band	SCIENTIFIC,X0622	1	19/04/1991	2085	
76	30	Direction Coupler 3DB	Scientific,X605	1	19/04/1991	1840	
77	30	Direction Coupler 10 DB	Scientific,X610	1	19/04/1991	1840	
78	50	Frequency Meters- direct reading	SICO,X710	2	19/04/1991	9290	
79	126	Power supply klystron	VM,HP 1010	3	10/10/1991	14445	
80	128	Probe with tunes	SICO,XP655	2	19/04/1991	2380	
81	144	SS with universal probe carrier x 6051	SIT,X6051	2	19/04/1991	7830	
82	152	Standing wave indicator	Sico,sw115	1	19/04/1991	6900	
83	152	Standing wave indicator	Sico,sw115	1	19/04/1991	6900	
84	20	Crystal Detectors	Vyu	5	26/07/1992	1575	
85	34	Wave guide detector mode	Vyu,X4051	3	26/02/1992	2904	
86	1	Attenuators Variable	VM	2	26/02/1992	3664	
87	50	Frequency Meters- direct reading	VM,X4155	2	26/09/1992	10528	
88	54	Fans small size	Khaitan	1	10/04/1992	555	
89	90	Klystron Mount	VM,X2051	3	26/02/1992	2280	
90	152	Standing wave indicator sw411	Vyu	2	04/02/1992	17960	
91	94	Klystron tube	VM,723AB	3	26/02/1992	5550	
92	106	Matched Termination	Vyu,X4000	4	26/02/1992	3280	
93	110	Movable short	VM,X4181	1	26/02/1992	1392	
94	124	Pyramidal wave guide horn	Vyu,X5086	2	26/02/1992	4236	
95	180	Wave guide stands	Vyu,X5035	10	26/02/1992	2150	
96	54	Fans small size	Khaitan	6	03/05/1993	3450	
97	94	Klystron tube	Vyu,723AB	2	24/05/1993	3702	
98	94	Klystron tube	Vyu723AB	2	04/02/1993	5760	
99	1	Attenuators Variable	Vyu,X5020	2	03/09/1996	2090	

100	158	Servo controlled voltage stabilizers 5KV	Stavol	1	17/02/1997	6401	
101	20	Crystal Detectors	Vyu,IN23	10	04/02/1998	6900	
102	56	Gunn Oscillators 10 mW	Vyu,X2152	2	04/02/1998	19360	
103	60	Gunn Power supply -X110	Vyu,X110	2	04/02/1998	10300	
104	126	Power supply klystron	Sico ,KP1010	2	08/01/1999	36420	
105	1	Attenuators Variable 10DB	Vyu,X5020	5	04/04/2002	15200	
106	1	Attenuators Variable 20DB	Vyu,X5020	2	04/04/2002	7600	
107	1	Fixed Attenuator 3DB, 6 DB, 10 DB	Vyu,X5020	3	04/04/2002	5310	
108	164	E-Plane tee	Vyux 3061	1	04/04/2002	1390	
109	166	H-plane tee	Vyu, x 3065	1	04/04/2002	1390	
110	20	Crystal Detectors	Vyu IN45E	12	12/09/2002	10092	
111	22	Co-axial towards adapters	Vyu,X4151	2	04/04/2002	3020	
112	24	Circulator three port	Vyu,X6021	2	04/04/2002	8680	
113	24	Circulator three port	Vyu,X6022	3	04/04/2002	13020	
114	24	Circulator three port	Vyu,X6021	2	04/04/2002	7180	
115	30	Direction Coupler 3DB, 6DB, 10-DB, 20DB	Vyu	4	04/04/2002	17680	
116	34	Wave guide detector mount	Vyu,X4051	3	04/04/2002	9030	
117	34	Wave guide detector mount	Vyu,X4051	1	04/04/2002	4430	
	34	Wave guide detector mount	Vyu,X7061	2	04/04/2002	12640	
118	50	Frequency Meters- indirect reading	Vyu,X4055	3	04/04/2002	15240	
119	50	Frequency Meters- direct reading	VyuX4155	1	04/04/2002	8500	
	10	E-plane Bends	Vyu	1	04/04/2002	1390	
120	11	H plane Bends	Vyu	1	04/04/2002	1390	
121	50	Frequency Meters- direct reading	Vyu,4155	1	12/09/2002	8500	
	56	Gunn Oscillators	Vyu,X2152	3	04/04/2002	35190	
122	90	Klyston Mount	Vyu	3	04/04/2002	6450	
123	60	Gunn Power supply -X110	Vyu,X110	1	04/04/2002	6500	
	60	Gunn Power supply -X111	Vyu,X111	2	04/04/2002	14660	
124	60	Gunn Power supply -X110	Vyu,X111	1	12/09/2002	7330	

125	70	Hilex Antenna	Vyu	1	12/09/2002	2930	
	94	Klyston tube 723AB	Vyu,2K25	5	04/04/2002	16250	
126	110	Matched termination	Vyux4000	15	04/04/2002	28650	
127	110	Matched termination x4000	Vyu,x4000	3	04/04/2002	5730	
	110	Movable short	Vyu,X4081	3	04/04/2002	5520	
128	110	Movable short	Vyu,X4081	1	04/04/2002	1840	
129	124	Pyramidal wave guide horn 16DB	Vyu,X5041	2	04/04/2002	4320	
130	124	Sectoral horn H-plane	Vyu,X5045	1	04/04/2002	2040	
131	124	Sectoral horn E-plane	Vyu,X5043	1	04/04/2002	2040	
132	124	Parable antenna X5071	Vyu,X5071	1	04/04/2002	5380	
133	124	Tripped stibd for hor antenna	Vyu,X5145	1	04/04/2002	2920	
134	126	Power supply klystron	Vyu,KP 1010	3	04/04/2002	29280	
135	128	Probe with tunes	Vyu,X6055	2	04/04/2002	6020	
136	178	Wave guide twist x 7051	Vyu	2	04/04/2002	4020	
137	128	Probe with tunes	Vyu,X6055	2	12/09/2002	6020	
138	128	Broad band Probe with tunes	Vyu,X6155	2	12/09/2002	8860	
139	132	Pin modulator	Vyu,X451	1	04/04/2002	4540	
140	144	SS with universal probe carrier	Vyu,x 6051	3	04/04/2002	18900	
141	148	Slid Screw tunes x 6051	Vyu,X4041	1	04/04/2002	2440	
142	152	Standing wave indicator sw115	Vyu,VS411	1	04/04/2002	10890	
143	152	Standing wave indicator sw115	Vyu,VS411	2	04/04/2002	21780	
144	168	E-H Tee	Vyu,x 3145	1	04/04/2002	2010	
145	168	Matched E-H Tee x 3145	Vyu,x 3145	2	04/04/2002	5620	
146	186	Wave guide 1m long	Vyu	6	04/04/2002	7380	
147	186	Wave guide 1m long	Vyu	1	16/08/2004	300	
148	2	Antenna fabrication kit	Falcon,ATS2003	1	22/09/2006	177500	
149	22	Co-axial towards adapters	Vyu,CA90	1	09/10/2006	3520	
150	50	Frequency Meters- indirect reading	Vyu,X4055	2	06/09/2006	7200	
151	50	Frequency Meters- direct reading	Vyu,X4155	2	06/09/2006	14400	
152	56	Gunn Oscillators	Vyu,X2152	1	06/04/200	8580	

					6		
153	60	Gunn Power supply -X110	Vyu,x110	2	06/09/2006	19470	
154	132	Pin modulator	SS labs	1	06/09/2006	3600	
155	94	Klyston tube 723AB	Vyu,2k25	4	06/09/2006	14000	
156	126	Power supply klystron	Vyu,kp1010	2	06/09/2006	31680	
157	128	Probe with tunes	Vyu,x6055	2	06/09/2006	4860	
158	144	SS with universal probe carrier x 6051	Vyu,x6051	3	06/09/2006	13035	
159	152	Standing wave indicator sw410	Vyu,vs411	3	06/09/2006	25740	
160	156	Shorting plates	Vyu,	4	06/09/2006	4000	
161	168	Matched E-H Tee	Vyu,x 3145	1	06/09/2006	1815	
162	180	Wave guide stands	Vyu,x5035	15	06/09/2006	9075	
163	22	Thermistor Mount	HP 8478B	1	12/02/2007	102300	
164	26	Computer IBM	IBM	1	06/07/2007	23653	
165	114	Microwave power meter	Hewlett,M432a	1	04/07/2007	182000	
166	120	Oscilloscopes dual trace	LG	2	05/02/2009	35568	
167	20	Crystal Detectors	Vyu, IN123	20	28/01/2011	17500	
168	24	Circulator three port	Vyu,x6021	5	28/01/2011	17975	
169	51	Frequency Meters- direct reading	Vyu,x4155	4	28/01/2011	32920	
170	56	Gunn Oscillators 50 mW	Vyu,x2152	2	28/01/2011	23880	
171	60	Gunn Power supply -X111	Vyu,x111	4	28/01/2011	31880	
172	94	Klyston tube 723AB	Vyu,2k25	4	28/01/2011	21200	
173	126	Power supply klystron	Vyu,KP 1010	2	28/01/2011	30900	
174	156	Shorting plates fixed	Vyu,ug39/v	6	28/01/2011	1350	
175	180	Wave guide stands	Vyu,x5035	20	28/01/2011	8200	
176	126	Klystron Power Supply	Vyu	2	30/03/2018	30871	
177	144	Slotted section with probe carriage x6051		2		14661	
178	144	Tunable probe x6055		2		5678	
179	180	Waveguide stands		10		4646	
180	180	Waveguide stands Suitable to slotted section		10		4646	
181	148	Slide screw tuner x4041		4		14744	
182	156	Capacitor windows		4		3510	
183	156	Inductor Windows		4		3510	

184	20	Crystal Detector mount x4051		6		23541	
185	148	Slide screw tuner x4141 (micro meter type)		2		9912	
186	26	Computer	DELL	1	18/01/2019	50400	
<b>Total Amount</b>						<b>1,792,813</b>	

NAME OF THE LAB: COMMUNICATION - Lab

Room.No. N-202

S.No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1	46	Power Supplies	ITL	1	15/07/1980	1466	
2	46	Power Supplies	ITL	1	15/07/1980	3300	
3	11	Decade capacitance Boxes	Nath	2	07/12/1981	700	
4	46	Power Supplies	ITL	3	30/04/1986	6420	Transferred to BE lab-I (sl.no. 8604115)
5	55	Signal Generator	Aplab	1	09/08/1988	3726	
6	7	CRO's	Philips	1	11/02/1988	11954	
7	59	Philips Radio	Philips	1	18/09/1990	540	Stores
8	59	Onida Color TV	Onida	1	18/09/1990	Nil	Recieved from Hostel
9	59	Color TV	Digiana	1			
10	37	Digital Multimeters	ITL (Benchtop)	1	30/10/1991	1528	
11	46	Power Supplies	ITL	2	30/10/1991	5486	Two transfred to EC lab-I
12	55	Signal Generator	Pacific	2	17/09/1991	5093	
13	16	Frequency counter	Pacific Electronics	2	07/10/1992	11760	
14	7	CRO's	Philips	1	24/11/1994	172000	
15	7	CRO's	Philips	2	16/04/1996	28800	One Transfred to EC-II lab (S.no. 4200)
16	46	Power Supplies	ITL	2	05/08/1996	6680	One Transfred to BE-I lab (S.no. 9606055)



17	58	Stabilizer	ITL	1	1997	5226	
18	59	Sampling and reconstructions	Kaushik DCL-1	1	31/03/1997	8500	
19	59	TDM Pluse amplitude mod/de mod	Kaushik DCL-2	1	31/03/1997	10000	
20	59	PCM Transmitter Receiver	Kaushik	2	29/03/1997	25000	
			DCL-3,4				
21	59	Data formats	DCL-5-6	2	29/03/1997	23000	
22	59	Digital modulator experimenter	Digicom	3	22/04/1997	117000	
23	37	Power meter (Tester)	Telenet	1	20/04/1999	5100	
24	60	PAM/PPM/PWM	Falcon	1	10/06/1999	20606	
25	60	i). Full duplex analog transmitter system,	Telenet	2	20/04/1999	6760	
		ii).Full duplex Digital Transmission system (Fiber optics)					
26	60	Optical fiber trainer system	Kaushik DCL-10	1	21/04/1999	14000	
27	60	Delta modulator and Demodulator	Kauskik DCL-08	1	24/04/1999	17000	
28	7	CRO's	LG/EZ	2	22/10/2001	32954	
29	37	Digital Multimeters	CIE	1	22/10/2001	1521	
30	9	Computer Compaq	Compaq	1	31/01/2003	51540	Stores
31	37	Power meter	PTN-IR LG	1	12/02/2003	29800	
32	48	printer	HP Ink jet	1	22/02/2003	3500	
33	57	Spectrum Analyzer with Accessories	Agilent	1	03/06/2003	469856	
34	61	Time division and demultiplexing	Kauskik DCL-02	1	17/02/2003	5000	
35	61	Data modem trainer (2 units)	United Electro technologies	1	17/02/2003	36000	
36	61	Data communication trainer (2 units)	United Electro technologies	1	17/02/2003	58800	

37	61	Pulse code modulation DCL-03	Falcon	1	08/05/2003	15200	
38	61	PCM demodulator DLC-04	Falcon	1	08/05/2003	15200	
39	61	PCM power supply	Falcon	1	08/05/2003	1425	
40	62	Optical Fiber training system	Photontech	1	12/02/2003	80000	
41	62	Fiber optical LED power source(ST connector)	Silicon micro systems	1	12/02/2003	12800	
42	62	Glass multimode - 1-meter, 3-meter	Photon tech	4	12/02/2003	7288	
	62	Glass multimode - 3-meter		4	12/02/2003	7936	
43	62	Amplitude shift keying mod/demod	Future tech	1	31/07/2003	6280	
44	62	Pulse position mod/demod	Future tech	1	31/07/2003	6280	
45	63	Pulse with mod/demod	Future tech	1	31/07/2003	6280	
46	63	Pulse amplitude mod/demod	Future tech	1	31/07/2003	6280	
47	63	Frequency shift keying mod/demod	Future tech	1	31/07/2003	10080	
48	63	Binary phase shift keying mod/demod	Future tech	1	31/07/2003	2880	
49	63	QPSK	Future tech	1	31/07/2003	10280	
50	63	Basic analog fiber optic TR	Future tech	1	31/07/2003	10080	
51	63	Basic Digital fiber optic trainer	Future tech	1	31/07/2003	10080	
52	63	Design of fiber optic digital transmission	Future tech	1	31/07/2003	8380	
53	64	Laser diode intensity modulation trainer	Future tech	1	31/07/2003	22980	
54	8	CRO's	LG/EZ	2	25/02/2004	32240	
55	8	CRO's	LG/EZ	1	07/04/2004	83200	
56	40	Multisim Ver.07	Education Edition (35 User)	1	2004	10057	
57	64	DSB-SC balanced modulator	Sincom	1	16/05/2006	2495	
58	64	Pre emphasis & de emphasis	Sincom	1	16/05/2006	2495	

59	64	IC 741 as BPF & BRF	Sincom	1	16/05/2006	5180	
60	64	BJT mixer circuit	Sincom	1	16/05/2006	2590	
61	64	Frequency division multiplexing & de multiplexing	Sincom	1	16/05/2006	9000	
62	65	AM superhetro dyne radio receiver	Sincom	1	16/05/2006	3350	
63	55	Signal Generator	Systronics	2	16/04/2007	8920	
64	55	Signal Generator	Scientific	3	13/09/2007	25530	Transferred to EC Lab-I (S.no.07052202)
65	65	Delta mod/demod	Falcon	1	03/05/2007	18200	
66	65	Color TV trainer	Sincom	1	05/08/2007	32512	
67	9	Computer Lenevo	Lenovo think	1	21/09/2008	28995	
68	8	CRO's	LG/EZ	4	09/01/2009	71136	
69	66	Dual wave length fiber optic source and detector module	Falcon	1	04/03/2010	105556	
70	66	Fiber optic passive component module	Falcon	1	04/03/2010	79164	
71	66	Noise power spectral density kit	Falcon	1	04/03/2010	14515	
72	66	FDM transmitter/receiver kit	Falcon	1	04/03/2010	14515	
73	66	Balance modulator	Iinox	1	04/03/2010	1741	
74	66	Mixer circuit	Iinox	1	04/03/2010	1500	
75	66	ASK generation and detection	Iinox	1	04/03/2010	2950	
76	67	Color patter generator VHF/UHF	Signet - S-1053	1	31/03/2010	11779	
77	8	CRO's(DSO)	Mextech	1	20/04/2014	20160	Transferred from EC lab-II
78	8	CRO's(DSO)	Academika	3	05/11/2016	51030	
79	9	Computer	DELL	1	18/01/2019	50402	

80	67	GPS Trainer Kit	Scient Tech, SO/d/01/18- 19/446, Sl.no.0119269	1	18/01/2019	23260	
81	67	Understanding CDMA-DSSS Communication system with BER	Scient Tech, SO/d/01/18- 19/446, Sl.no.011934	1	18/01/2019	97090	
<b>Total Amount</b>						<b>2,249,908</b>	

**NAME OF THE LAB: IC Lab**

**Room.No. N-204**

S.No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1	12	Digital Multimeter	Annadigi	1	27/08/1980	2750	
2	30	Power Supplies	ITL	2	01/07/1980	6300	
3	5	CRO	Aplab	1	27/11/1982	8900	
4	24	Decade Inductance Box	Radart	3	01-04-19982	6000	
5	29	Power Supplies	Pacific	4	21/06/1982	7400	
6	53	OP Amp Trainer	Beltronics	1	22/11/1982	2400	
7	53	Digital Trainer	Beltronics	1	22/11/1982	5135	
8	6	CRO	Aplab	2	01/11/1986	17590	
9	12	Digital multimeter	ITL	1	30/04/1986	1220	
10	29	Power Supplies	ITL	3	30/04/1986	6420	
11	24	Decade Inductance Box	Omega	3	01/05/1987	2400	
12	24	Decade Inducatnce Box	Omega	4	01/05/1987	3200	
13	53	Digital trainer	HIL	2	30/03/1988	13500	
14	53	Digital IC Trainer	Spectrum	4	09/08/1988	13100	
15	53	Op Amp Trainer	Aries	1	01/12/1988	1000	
16	5	CRO	Scientific	2	10/10/1991	21274	

17	40	Signal Generators	Pacific	4	01/09/1991	9460	
18	51	Stabilizer 2 KVA	Stavol	1	20/09/1991	5050	
19	10	Digital frequency counter	Pacific	1	01/09/1992	5880	
20	5	CRO	Philips	1	16/04/1996	14400	
21	5	CRO	L & T	2	01/05/1996	28920	
22	6	CRO	L & T	1	01/04/1996	14460	
23	12	Digital Multimeter	ITL	7	30/10/1996	14875	
24	12	Digital Multimeter	Tes	1	29/11/1996	2995	
25	23	Decade resistance Box	Thoshinwal	3	01/10/1996	8970	
26	24	Decade Inductance Box	Hi-Q	8	01/06/1996	9600	
27	29	Digital Power Supplies	ITL	6	05/08/1996	20040	
28	40	Signal Generators	Aplab	6	01/10/1996	24000	
29	6	CRO	Scientific	1	01/09/1997	10637	
30	5	CRO	EZ	1	22/10/2001	16477	
31	23	Decade Resistance Box	Hi-Q	8	22/10/2001	10824	
32	23	Decade capacitance Box	Hi-Q	6	22/10/2001	12792	
33	29	Power Supplies	ITL	7	01/10/2001	25200	
34	54	Digital trainer boards	Hi-Q	9	01/10/2001	40590	
35	54	Digital trainer boards	Hi-Q	2	01/10/2001	9020	
36	54	D/A Converter	Hi-Q	1	01/10/2001	1880	
37	54	A/D Converter	Hi-Q	1	01/10/2001	1980	
38	66	IC tester	Niki Annadigi	1	01/01/2001	61000	
39	13	Digital multimeter	CIE	3	22/10/2001	4560	
40	40	Signal Generators	Scintech	5	01/10/2002	38750	

41	6	CRO	EZ	6	01/02/2004	93000	
42	30	Power Supplies	ITL	4	01/02/2004	10000	
43	68	Measurement of Image Impedance kit	Hi-Q	1	01/02/2004	980	
44	68	Band Pass Filter	Hi-Q	1	01/02/2004	2980	
45	68	'm' Derived LPF / HPF	Hi-Q	1	01/02/2004	1880	
46	68	Composite LPF/HPF	Hi-Q	1	01/02/2004	2980	
47	68	Composite Band Stop Filter	Hi-Q	1	01/02/2004	2980	
48	9	Computer	Lenevo	1	01/07/2007	24600	
49	24	DCB	Frax	10	07/07/2007	13360	
50	24	DLB	Frax	10	07/07/2007	14300	
51	40	Signal Generators	Systronics	4	01/07/2007	17840	
52	54	Transmission Line Trainer Kit	Hi-Q	1	01/07/2007	1690	
53	55	Digital Trainer Board	Future tech	5	01/07/2007	19920	
54	24	DRB	Frax	10	07/07/2007	12480	
55	7	CRO	EZ	2	04/03/2009	35568	
56	66	IC Tester -Linear & Digital	Niki Annadigi	1	19/07/2010	72025	
57	7	DSO	MAXTECH	3	02/05/2015	47322	
58	55	Digital Trainer Board(BTS-303C)	Hi-Q	1	02/11/2016	4600	
<b>Total Amount in Rs.</b>						<b>889,454</b>	

NAME OF THE LAB: **ELECTRONIC CIRCUITS-I**

Room.No.N-205

SI No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1	38	DC Regulated Dual 30V-1 AMP	ITL	2	15/07/1980	5928	
2	38	DC Regulated Dual 30V-5 AMP	ITL	1	15/07/1980	3300	

3	51	Amplitude Modulation	Beltronix	1	23/06/1981	850	
4	51	Amplitude Demodulation	Beltronix	1	23/06/1981	850	
5	52	R-F L-C Oscillator	Omega	1	16/06/1981	325	
6	52	Weins Bridge	Omega	1	16/06/1981	325	
7	10	Decade Resistance Box	Omega	2	16/06/1981	792	
8	36	Power Out Meter	ApLab	1	14/07/1981	1366	
9	47	1.5 MHz-225 MHz AM/FM Generator	Radart	1	31/08/1981	22381	
10	10	Decade Resistance Box	Nath	3	07/12/1981	900	
11	10	Capacitance Substitution Box	Nath	3	07/12/1981	1050	
12	38	Linear Digital Power Supply +15-0-15V, 2AMP	Pacific	1	11/06/1982	2044	
13	13	LUTRON Hand held (DM-6011)	Lutron	1	19/05/1982	1989	
14	36	Power Out Meter	ApLab	1	28/06/1982	1490	
15	51	Amplitude Modulation Trainer	Beltronix	1	21/09/1982	800	
16	52	Operational Amplifier	Beltronix	1	25/09/1982	1650	
17	52	Patch mode for active low pass first order filter low pass first order filter	Beltronix	1	25/09/1982	400	
18	52	Patch mode for active low pass third order filter low pass first order filter	Beltronix	1	25/09/1982	400	
19	39	DC Regulated Dual 30V-1 AMP	ITL	1	22/04/1986	2140	
20	38	DC Regulated Dual 30V-1 AMP	ITL	2	22/04/1986	4280	
21	16	Sine/square 10 Hz to 1 Mhz	Pacific	1	17/12/1986	2200	
22	47	Low Distortion Signal Generator 1 Hz to 1 MHz	ApLab	1	20/01/1988	3728	
23	5	20MHz Dual Channel	HIL	1	08/03/1988	15901	

24	51	FM Demonstrator	Aries	1	06/12/1988	500	
25	52	Phased Locked Loop Trainer	Aries	1	06/01/1988	950	
26	52	Linear OP-AMP Trainer	Aries	1	09/04/1990	1000	
27	5	20MHz Dual Trace	Scientific	2	08/10/1991	21275	
28	39	DC Regulated Dual 30V-1 AMP	ITL	4	26/10/1991	10972	
29	53	Analog Computer Trainer	Lab electronics	2	08/10/1991	16416	
30	47	1.5 MHz-225 MHz AM/FM Generator	APLAB	1	31/01/1992	50265	
31	12	Digital Frequencies Counter	Pacific	4	01/09/1992	23520	
32	53	Analog Computer Trainer	Lab electronics	4	11/11/1994	21720	
33	5	60MHz Dual Channel	ApLab	1	03/01/1995	47520	
34	47	Low Distortion Signal Generator 1 Hz to 1 MHz	ApLab	2	29/06/1996	8486	
35	13	TES Hand held Multi meter (2330)	TES	1	27/11/1996	2995	
36	5	20 MHz Dual Trace CRO	Philips	1	15/04/1996	14400	
37	5	20MHz Dual Channel	EZ	3	05/10/2001	49434	
38	13	Rishi Multi 15S	Reshabh	3	10/10/2001	12402	
39	53	Bread Board Trainer System	Hi-Q	3	05/10/2001	13530	
40	10	Decade Capacitance Box	Hi-Q	2	05/10/2001	4264	
41	10	Decade Inductance Box	Hi-Q	2	05/10/2001	4756	
42	47	Audio Signal Generator with Frequency Counter 1 MHz	EZ	1	05/12/2002	9700	
43	16	Function Generator (1MHz)	Scientech	3	19/10/2002	23250	
44	47	Audio Signal Generator with Frequency Counter 1 MHz	EZ	2	27/09/2002	19400	



45	9	IBM personal Computer with Pheriperals	IBM	1	08/04/2003	55400	
46	51	AMMOD/DEMOTRAIN	Future Tech	1	31/07/2003	1680	
47	51	FM MOD/DEMOTRAIN	Future Tech	1	31/07/2003	1880	
48	6	20MHz Dual Trace	EG	4	25/02/2004	62000	
49	55	FM MOD/DEMOTRAIN	Future Tech	1	26/04/2004	1480	
50	55	AMMOD/DEMOTRAIN	Future Tech	1	26/04/2004	1280	
51	18	Audio Oscillator with Frequency Counter 1 MHz	C & C 301c	1	28/04/2004	10400	
52	36	Audio Power Output Meter UAPF-02	UAPF	2	22/03/2007	6864	
53	6	50MHz Dual trace	Philips	3	16/04/2007	108950	
54	9	Personal Computer	Lenevo	1	01/07/2007	24600	
55	53	Class B Power Amplifier	Future Tech	1	22/09/2007	860	
56	53	SMPS	SINCOM	1	05/10/2007	3950	
57	13	UNI-T Model	UT 58D	5	03/01/2009	18160	
58	48	Function Generators (3MHz)	Scientech	3	13/05/2009	26550	
59	6	Digital Storage Oscilloscope 70MH(DSO 5070)	Phisitech electronic s	1	13/05/2014	20160	
60	54	Bread Board Trainer System	Hi-Q	2	30/11/2016	9200	
61	7	Digital Storage Oscilloscope 50MH	Akademi ca	4	05/11/2016	68040	
62	46	Input 170-280V, Output 230V, 50Hz Single Phase Servo stabiliser	IIL	1	AP/497/83 -84	5227	
63	48	Funtion Generator SFG01	SS Lab Equipime nt	6	106/04-07-2019	31152	
64	36	AF Power output meter 50w	SS Lab Equipime nt	2	106/04-07-2019	17936	
<b>Total Amount</b>						<b>907,612</b>	

S.No	SR. Pg. No.	ITEM	Make & Model	Qty	Date of Purchase	Amount Rs	Remarks
1	13	Power Supply	ITL	3	22/04/1980	6420	
2	13	Power Supply	ITL	2	15/07/1980	6300	
3	13	Power Supply	ITL	1	15/07/1980	1450	
4	35	Multimeters	Lutron	1	19/05/1982	1800	Transferred to EC - I lab
5	35	Multimeters	ITL	3	22/04/1986	3660	Transferred to EC - I lab
6	23	Signal Generators	Pacific	1	17/12/1986	2200	
7	31	Trainer Boards	Aries	3	06/12/1988	3000	
8	2 & 3	CRO	SCIENTIFIC	1	24/09/1991	10637	
9	35	Multimeters	ITL	2	26/10/1991	3060	
10	11	DRB	TIPL	3	04/05/1992	8970	Earlier Received from EEE Dept. Later Transferred to EWS Lab
11	2 & 3	CRO	PHILIPS	1	15/04/1996	14400	
12	2 & 3	CRO	L & T Gold	1	22/04/1996	14460	
13	22	ITL Stabilizer 1KVA	ITL	1	03/05/1996	4600	
14	13	Power Supply	ITL	3	13/06/1996	10020	
15	23	Signal Generators	ApLab	5	29/06/1996	20000	
16	35	Multimeters	Tes	1	27/11/1996	2995	Transfer to BE-II Lab
17	35	Multimeters	ITL	4	23/12/1996	8500	
18	31	Bread board	Hi-Q	1	01/10/2001	4510	
19	13	Power Supply	ITL	1	05/10/2001	3600	
20	2 & 3	CRO	L.G (EZ)	4	05/10/2001	65910	
21	36	Multimeters	CIE-122	6	05/10/2001	9126	3.no Transferred to EWS Lab
22	36	Multimeters	Rishi	2	10/10/2001	7950	Transferred to EC -I lab
23	23	Signal Generators	EZ	1	27/09/2002	9700	Transferred to EC -I lab
24	23	Signal Generators	Sciencetech ST-4060	2	11/10/2002	15500	

25	69	Computers	IBM	1	01/08/2003	55000	
26	30	Multisim Education Editor	National Instruments	1	02/02/2004	20114	
27	2 & 3	CRO	L.G (EZ)	2	25/02/2004	31000	Transferred to MCA
28	36	Multimeters	CIE 123	4	25/02/2004	5600	Transfer to BE-II Lab
29	31	Transistor H Parameter Board	Future Tech	1	12/03/2004	1080	
30	31	SCR Characteristics	Future Tech	1	12/03/2004	1180	
31	31	Photo Diode Characteristics	Future Tech	1	12/03/2004	1180	
32	31	Photo Transistor Characteristics	Future Tech	1	12/03/2004	1180	
33	31	BCD to 7 Segment decoder	Future Tech	1	12/03/2004	1180	
34	23	Signal Generators	Ken Comm Sys	2	28/08/2004	20800	Transferred to EWS Lab
35	32	Resistive of Semi Conductor by four probe method Experiment trainer	Scientific	1	06/02/2007	14610	
36	32	Hall effect Experiment trainer	Scientific	1	06/02/2007	34980	
37	24	Signal generators	Systronics	3	16/04/2007	13380	
38	37	Multimeters	Ken Comm Sys	5	03/01/2008	17450	Transferred to EWS Lab
39	69	Computers	Lenevo	1	21/04/2008	25000	Transferred to EWS Lab
40	2 & 3	CRO	L.G (EZ)	4	09/01/2009	71136	Transferred to EC -I lab
41	69	Ethernet switch	D-Link	1	18/04/2011	1700	
42	32	Display Boards(Capacitors)	Sincom	2	01/09/2016	9200	Transferred to EWS Lab
43	3	CRO	Academika Lab Solutions	3	05/11/2016	51030	
44	31	Trainer Boards	HIQ	2	05/11/2016	9200	
<b>TOTAL Amount</b>						<b>624768</b>	

S.No	SR. Pg. No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs.	Remarks
1	22	Grinding machine	Ivoif	1	1980/08/01	1780	
2	13	Dimmer start	Seeco	2	1981/01/21	1260	
3	1	AC stabilizers	ITL	1	1983 & 84	5226	
4	10	Digital multimeters hand set	ITL	2	1986/04/01	2440	
5	52	Analog Transistors power supply	ITL	1	1991/10/01	2548	
6	38	Oscilloscope 20 MHz	L&T	1	1991/09/01	11900	
7	38	Oscillators 20 MHz	Scientific	1	1991/10/01	10637	
8	38	Oscillators 20 MHz	Aplab	1	11--1996	8900	
9	13	DC power supplies	ITL	6	1996/06/13	20040	
10	48	Signal generator 1 MHz	Aplab	3	1996/08/01	12000	
11	38	Oscilloscope 20 MHz	Philips	1	1996/04/01	14400	
12	24	Hot Plates	Galaxy 150	2	2000/10/01	1300	
13	48	Soldering irons	Soldrons	11	2000/10/01	1540	
14	4	Bread board Trainer kits	IQ	7	2001/02/11	31570	
15	48	Signal generator 1 MHz	Sintific	2	2002/10/19	15500	
16	49	Soldering stations	Premier	7	2002-09	12300	
17	6	Computer Lenevo	Lenovo	1	2007/07/21	24600	
18	13	Drilling machine with stand	Boasch	1	2001/09/22	3000	
19	10	Digital multimeters hand set	CIE	3	2001/10/01	4563	
20	38	Oscillators 20 MHz	LG/EZ	1	2001/10/05	16477	
21	52	Regulated Transistors power supply	ITL	1	2001/10/05	2548	
22	10	Digital multimeters hand set	Rish Multi 15S	2	2001/10/01	7950	
23	32	LCRQ meter	Aplob	2	2002/10/01	30800	

24	48	Oscillators 1 MHz	Sinentech	2	2002/10/19	15500	
25	38	Oscillators 20 MHz	LG/EZ	6	2004/02/01	93000	
26	48	Signal generator 1 MHz	C&C	4	2004/04/01	41600	
27	52	Transistors characteristics trainer kits	IQ	1	2004/04/01	1180	
28	13	Decode Resistances box	Frax	6	2007/03/30	7200	
29	13	Dimmer start	Seeco	2	2007/05/02	3380	
30	1	Analog Multimeters	Sincom	1	2007/08/05	5500	
31	6	Display board connectors	Sincom	1	2007/08/05	2050	
32	10	Digital multimeters 1	Sincom	1	2007/08/05	4500	
33	10	Digital multimeters 3	Sincom	1	2007/08/05	4500	
34	26	IC's display (TTL)	Sincom	1	2007/08/05	3050	
35	26	IC's Display (CMOS)	Sincom	1	2007/08/05	3050	
36	26	Display boards of analog ICS	Sincom	1	2007/08/05	3050	
37	10	Display boards of fixed & variable capacitors	Sincom	1	2007/08/05	1850	
38	10	Digital multimeters 2	Sincom	1	2007/08/05	4500	
39	11	Display boards frequency demonstrators	Sincom	1	2007/08/05	14500	
40	13	Study of Displays	Sincom	1	2007/08/05	2050	
41	46	Relays	Sincome	1	2007/08/05	1850	
42	13	Discrete components	Sincom	1	2007/08/05	6500	
43	48	Display boards of Switches	Sincom	1	2007/08/05	1850	
44	48	Soldering-Desoldering kit	Sincom	1	2007/08/05	3500	
45	48	Signal generator demonstrator	Sincome	1	2007/08/05	14500	
46	10	Display boards of diodes	Sincom	1	2007/08/05	1850	
47	32	Loud speaker and microphone display kit	Sincom	1	2007/08/05	2990	

48	52	Display board of SCR,TRAIC,UJT	Sincome	1	2007/08/05	1850	
49	52	Transistors display board	Sincome	1	2007/08/05	1850	
50	13	Decode inductance box	Frax	2	2007/10/30	2750	
51	13	Decode Capacitance box	Frax	6	2007/10/30	7710	
52	4	Bread board Trainer kits	IQ	4	2007/10/31	15936	
53	10	Digital multimeter	Uni-T	5	2008/01/03	17460	
54	38	Oscillators 20 MHz	LG/EZ	3	2009-09	54000	
55	38	Oscilloscope 50MHz	Akademica	2	2016-03	31548	
56	4	Trainer kits	IQ	5	2016-11	23000	
<b>TOTAL Amount</b>						<b>642,883</b>	

Name of the Lab: NCRC

Room No: N-401

S. No	SR Page No.	Name of the Equipment	Make & Model	Qty.	Date of Purchase	Amount Rs	Remarks
1.	50	High Performance Electromagnetic Simulation Software	IE3D High Performance Electromagnetic Simulation Software, Supplied By:M/S ECAD Tech Ltd, Bangalore	1	29.06.2002	275000	AICTE, Ref: 8020/RID/ R&D-2, 2001-2002
2.	2	Printer	HP1020	1	29.06.2002	7400	AICTE, Ref: 8020/RID/R&D-2, 2001-2002
3.	11	Desktop System	Intel 845 Mother Board, Intel Pentium -IV,1.7 GHz Processor (with accessories) Supplied By: M/S Computer Maintanince Group, Somajiguda, Hyd -82	1	12.07.2002	34000	AICTE, File No: 8020/RID/R&D-2, 2001-2002
4.	1	HP-i5 Laptop	HP 45505 Pro book	1	20.08.2013	43911	SERB, DST, Ref: SR/S4/AS:89/20 12/dated: Sept 2012

5.	2	HP Printer	HP LaserJet; Model:110	1	20.08.2013	5985	SERB, DST, Ref: SR/S4/AS:89/20 12/dated: Sept 2012
6.	50	MatLAB	Mat LAB 2014 Image and Video Processing Tool Box	2	07.02.2014	122043	AICTE Ref: 20/AICTE/RIFD /RPS (Policy No: 1)/25/2013-14
7.	3	HP Scanner	HPSCANJET 8270	1	17.02.2014	52400	AICTE Ref: 20/AICTE/RIFD /RPS (Policy No: 1)/25/2013-14
8.	2	HP Printer	HP LASERJET MFP375NW	1	17.02.2014	56600	AICTE Ref: 20/AICTE/RIFD /RPS (Policy No: 1)/25/2013-14
9.	11	Desktop system	Desktop Core i7- 3770/ 8GB RAM/1TB HDD/DVD- RW/DOS/3-3- 3/HP 18.5" LED MONITOR 3Y/NVIDIA 1 GB Graphic card	2	17.05.2014	124950	RCI CARS Project
10.	25	ADSP -21479 EZ board Evaluation Board	ADSP -21479-EZ LITE	2	11.06.2014	126966	RCI CARS Project
11.	8	IRNSS-SPS-GPS Receiver(S.No.1 8000)	18000/ Accord Software & Systems	1	04.12.2014	618300	Supplied By: ISRO, SAC, Ahmedabad
12.	1	IRNSS User Receiver Laptop	Dell. Vostro	1	04.12.2014	29000	Supplied By: SAC,ISRO, Ahmedabad
13.	2	PRINTER	Hp LJM128FN S No: CNB7GDR58F	1	14.03.2015	16750	RCI CARS Project File No: RCI/DCMM/LP /LPD- 1/CARS/0313

14.	30	UPS 1KVA APC	S No: E21439004786	1	14.03.2015	8000	RCI CARS Project File No: RCI/DCMM/LP /LPD- 1/CARS/0313
15.	25	Blackfin Processors	ADZS - BF537- E2LITE	3	28.05.2015	119776	RCI CARS Project File No: RCI/DCMM/LP /LPD- 1/CARS/0313 Note: 1 Returned to RCI
16.	4	Battery Charger	Accord Software and Systems Pvt. Ltd.	1	28/11/201 5	17175	Supplied By: ISRO, SAC, Ahmedabad
17.	9	CCTV Cameras	Primus Technologies, IR Bullet Camera, CP PLUS HDC V1, 20MIV, 1MIP	2	18.02.2016	21750	RCI, CARS Project  File No: RCI/DCMM/LP 1/CARS/0336 dated: 02.02.2015
18.	8	IRNSS-GPS- SBAS Receiver (S.No 18700)	18700/SAC, Ahmedabad. Sl.No A77 Make by: Accord Software Systems	1	26.02.2016	618300	Supplied By: ISRO, SAC, Ahmedabad (MoU dated: 07 Dec 2015)
19.	10	DVD of ION GNSS-2015 Proceedings	Institute of Navigation	1	22/03/201 6	12029	Institute of Navigation
20.	12	LCD Projector	Suuhron Electronics Pvt.Ltd, NECVE 281G,	1	28.03.2016	36068	ISRO, RESPOND Project File No: ISRO/RES/2/39 9/15-16
21.	11	Desktop Computers	Desktop/15/4/ 500GB/DOS Model: OPTIFLEX 3020 MT dell	2	30.03.2016	86000	ISRO, RESPOND Project File No: ISRO/RES/2/39 9/15-16



22.	45	RF FieldFox Analyser	N9915A/Keysight Technologies	1	10.12.2016	1697358	AICTE, MODROBS, File No: 9-89/RIFD/MODROB/Policy - 1/2014-15; dated 03 march 2015
23.	13	DVD of ION GNSS-2016 Proceedings	Institute of Navigation	1	19/03/2017	14403	Institute of Navigation
24.	8	IRNSS/GPS/SBAS Receivers	18700/SAC, Ahmedabad Sl.No: 293,294,295 Make by: Accord Software Systems	3	23.03.2017	1854900	SAC, ISRO Sponsored Project File No: NGP/11 dated: 23 Jan 2017
25.	1	Laptops 8GB RAM	Lenovo Idea Pad 320- Intel core i5 7200 7 <sup>th</sup> generation - 8GB RAM	2	18.09.2017	82954	SAC, ISRO Sponsored Project File No: NGP/11 dated: 23 Jan 2017
26.	1	Laptop 20GB RAM	Lenovo Idea Pad 320- Intel core i5 7200 7 <sup>th</sup> generation - 20GB RAM	1	18.09.2017	49206	SAC, ISRO Sponsored Project File No: NGP/11 dated: 23 Jan 2017
27.	2	Multifunction Printer	HP Laserjet M126NW	1	18.09.2017	14720	SAC, ISRO Sponsored Project File No: NGP/11 dated: 23 Jan 2017
28.	14	HDD 1 TB Hard disk	Seagate	3	29.12.2017	13275	RCI, CARS Project File No: RCI/DCMM/LP 1/CARS/0336 dated: 02.02.2015
29.	15	Equipment accessories	iball	6	26.12.2017	1990	RCI, CARS Project File No: RCI/DCMM/LP 1/CARS/0336 dated: 02.02.2015
30.	13	ION-GNSS-2018 Papers	ION-GNSS	1	02.02.2019	15809	ISRO, RESPOND Project File No: ISRO/RES/2/39 9/18-19

31.	8	NaVIC GAGAN /GPS Receiver Module	S2525F8-GI2	5	01.03.2019	7818	ISRO, RESPOND Project File No: ISRO/RES/2/39 9/18-19
32.	8	NaVIC SPS Receiver Module	S2525F8-GI1	5	01.03.2019	7818	ISRO, RESPOND Project File No: ISRO/RES/2/39 9/18-19
33.	17	NaVIC only passive Antennas	ST254-IA003	5	01.03.2019	1139	ISRO, RESPOND Project File No: ISRO/RES/2/39 9/18-19
34.	53	Printer	HP LJ 1020	1	09.03.2019	10950	ISRO, RESPOND Project File No: ISRO/RES/2/39 9/18-19
35.	3	Scanner	Canon LIDE 300	1	09.03.2019	3800	ISRO, RESPOND Project File No: ISRO/RES/2/39 9/18-19
<b>Total Amount</b>						<b>6,208,543</b>	