



AQAR Report

2022-23

Criterion IV

Infrastructure and Learning Resources

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

Amritsar Group of Colleges

List of Laboratories

Sr no.	Name of Labs	Area (In Sq Feet)
1	Programming Lab 1	630
2	Programming Lab 2	630
3	Programming Lab 3	142.6
4	Programming Lab 4	1535
5	Database Lab	1248
6	R&D Lab	480
7	Hardware Lab	1108
8	Big Data Analytics	478
9	Cyber Security and Cyber Forensics	457
10	Machine Lab-I	1078
11	Machine Lab-II	832
12	Power System-II Lab	1078
13	Research Lab (AS-201)	900
14	Control System-Lab	832
15	VNA-Lab	900
16	BEEE Lab	1078
17	DCS LAB	832
18	OC LAB	1260
19	ACS LAB	832
20	DCLD Lab (AS-201)	900
21	MPMC -Lab	832
22	DCLD-Lab	900
23	VLSI-Lab	900
24	AE-Lab	900
25	EMI-Lab	832

26	LIC-Lab	900
27	NI Lab	900
28	Communication Skills Lab	200
29	Physics Lab	2,684
30	Chemistry Lab	870.18
31	MCA Lab	1497.04
32	Project Lab	1259.85
33	Basic Training Kitchen	3280
34	Quantity Food Kitchen	655
35	Advance Training Kitchen	1045
36	Restaurant	792
37	Bakery	792
38	Front Office	1045
39	Housekeeping	792
40	Mock Guest Room	700
41	Transportation Engineering Lab	775
42	Geotechnical Engineering Lab	889
43	Concrete Technology Lab	1718
44	Structural Analysis Lab	775
45	Survey Lab	120
46	Strength of Material Lab	890
47	Fluid Mechanics Lab	1549
48	CADD Lab	1023
49	Environmental Engineering Lab	870.18
50	Engineering Materials & Metallurgy Lab	1800
51	Strength of Materials Lab.	1800
52	Applied Thermodynamics Lab	1800
53	Fluid Mechanics Lab	1800
54	Manufacturing Processes Lab	1800

55	Theory of Machines Lab	1800
56	Automobile Engineering lab	1800
57	Heat Transfer Lab.	1800
58	Mechanical Measurement and Metrology Lab.	1800
59	Refrigeration & Air Conditioning Lab	1800
60	Fluid Machinery lab	1800
61	Industrial Automation and Robotics lab	1800
62	Mechanical Vibrations Lab.	1800
63	CAD/CAM Lab	1800
64	Project Lab	1800
65	Pharmaceutical chemistry lab-1	
66	Pharmaceutical chemistry lab-2	
67	Pharmaceutical chemistry lab-3	
68	Biochemistry/Analytical chemistry lab	
69	Pharmaceutical lab	
70	Pharmacology/HAP Lab	
71	Pharmacognosy Lab	
72	Computer Lab	
73	Machine Room	
74	Central Instrumentation Lab/Room	
75	Pharmaceutics/Hospital & clinical Pharmacy Lab	
76	Pharmaceutics/Biotechnology & Microbiology	
77	Pharmacy Practice Lab	
78	Model Pharmacy	
79	Computer Lab	
80	Machine Room	
81	Theory Lab	
82	Garment Construction and Pattern Making +Draping	
83	Yarn Craft, Elements of design ,Fashion Art, Sketching	

Department of Computer Science & Engineering

Sr no.	Name of Labs	Quantity	Specification /Configuration
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1	Programming Lab 1	30	Processor: Intel DC 1.8 GHz RAM: 2 GB DDR2 HDD: 80 GB M/B: Gigabyte 945
2	Programming Lab 2	34	Processor: Intel G2020 2.9 GHz RAM: 2 GB DDR3 HDD: 500 GB M/B: Lenovo
3	Programming Lab 3	40	Processor: Intel i3 RAM: 4 GB DDR4 HDD: 1TB M/B: Lenovo
4	Programming Lab 4	30	Processor: Intel G260 2.6 GHz RAM: 2 GB DDR3 HDD: 500 GB M/B: HP
5	Database Lab	40	Processor: Intel Dual Core 3.0 GHz RAM: 2 GB DDR2 HDD: 80GB/160 GB M/B: Intel 945/G41
6	R&D Lab	20	Processor: Intel Dual Core 1.8 GHz RAM: 2 GB DDR3 HDD: 160 GB M/B: Intel G41
7	Hardware Lab	12	Processor: Intel P IV 3.00 GHz RAM: 512 MB DDR1 HDD: 80 GB M/B: Intel 865
8	Big Data Analytics	30	Server Processor: Intel Xeon RAM: 16 GB HDD: 8 TB Thin Clients: 30
9	Cyber Security and Cyber Forensics	28	Processor: Intel G2020 1.8 GHz RAM: 2 GB DDR2, HDD: 500 GB M/B: Lenovo
10	Voltmeter	16	100/300/600V Make: Crown
11	Ammeter	18	0-10A Make: Crown
12	DOL Starter	4	5KVA, 415V, 8A Make: Supreme
13	HOLDERS	20	Make: GONA

14	Switches	20	Make: SSK
15	Auto Transformers Starter	2	10A, 220V Make: Interlink Electronics
16	DPST	3	6A Make: Havells
17	1- \emptyset Transformer	3	1 KVA, 230V
18	Change Over Switch	6	63A-1600A Make: Havells
19	Terminal	165	
20	Carrier demodulation and data reformatting receiver	2	Scientech 2157
21	Data formatting and carrier modulation transmitter	2	Scientech 2156
22	TDM pulse code modulation transmitter	2	Scientech 2153
23	PPM-PAM-PWM modulation and demodulation	2	Scientech 2110
24	TDM Pulse code demodulation and receiver	2	Scientech 2154
25	TDM PAM transmitter and receiver	2	Scientech 2152
26	Digital communication trainer	2	Scientech2155
27	DSB/SSB AM receiver and transmitter	1	Scientech2202
28	D to A convertor	3	Scientech 2602
29	Optical communication Kit	2	Scientech 2501 A
30	Power meter	1	Scientech
31	Phase lock loop cd 406 characteristics	1	SIBA
32	PLL frequency synthesizer	2	SIBA
33	Diode clipper and clamping ckt.	2	SIBA
34	Pulse position mod/Demod	1	SIBA
35	DSBSC mod /ssb transmitter	1	SIBA
36	Pulse amplitude mod/demod	1	SIBA
37	Delta modulation/demod model CDM111	1	SIGMA CDM111
38	PCM demodulation	1	SIGMA COM110
39	Phase shift keying mod/demod	1	SIGMA COM116
40	ASK mod/demod	1	SIGMA COM114
41	FSK mod/demod	1	SIGMA COM115
42	Digital line coding/decoding	1	SIGMA COM122C
43	Voltmeter	12	100/300/600V Make: Crown
44	Ammeter	15	0-10A Make: Crown
45	DOL Starter	5	5KVA, 415V, 8A Make: Supreme
46	Indicator	24	15 mA, 130V Make: ABB

47	Terminal	215	
48	MCB 3-Pole	6	6 A Make: Havells
49	Main Switch	1	6A, 240V
50	MCB 4-Pole	1	16A Make: Havells
51	MCB 2-Pole	2	6A Make: Havells
52	Rotor Resistance Starter	1	5KVA, 415V, 8A Make: Supreme
53	Auto-Transformer 1- \emptyset	4	5KVA, 415V, 8A Make: Supreme
54	Frequency Meter	1	2.5-5A/75-150-300V Make: MECO
55	1- \emptyset DPST	3	6A Make: Havells
56	DC Motor Starter	2	5KW, 8A Make: Supreme
57	3- \emptyset Induction Motor	5	415V, 6A, 1440RPM, 3HP Make -Tech-Track
58	1- \emptyset Induction Motor	2	230 V,15 RPM Make-Tech-Track
59	DC Motor	1	Hp3,230V,12A Make-Tech-Track
60	Rheostat	5	50ohm,5A Make-Continental
61	Wattmeter	3	10A,1250-500V Make-MECO
62	Digital Voltmeter	10	100/300/600V Make: Crown
63	Digital Ampere meter	13	0-10A Make: Crown
64	Terminals	157	
65	Auto-Transformer	9	5KVA, 415V, 8A Make: Supreme
66	MCB 2-Pole	7	6A Make: Havells
67	Indicator	11	15 mA, 130V Make: ABB
68	Buzzer	1	
69	Digital Timer Totalizer	3	170-270V AC Make-Nutronics
70	MCB 3-Pole	2	6 A Make: Havells
71	Push Button	14	5A,125V Make: Havells
72	Toggle Switches	8	5A,115VDC Make: Havells
73	Lamp Holder	4	Make: GONA
74	ON/OFF Rotary Switch	4	Make: Havells

75	Relay Unit	3	240V AC Make: PuneetIndustrial Controls Pvt.limited
76	Fuse	2	32A ,415V Type: ZS
77	Class A/B/AB Ampr	01	SIBA
78	Zenerdiodekit	04	SIBA
79	FET Ampr	06	SIBA
80	Diode Rectifier	05	SIBA
81	Wein bridge, phase shift /Hartley /colpitt oscillator	03	SIBA
82	BJT Characteristics	04	SIBA
83	FET Characteristics	04	SIBA
84	Emitter follower kit	03	SIBA
85	Two stage negative feedback ampr	05	SIBA
86	OP Ampr bridge oscillator	02	SIBA
87	Transistor Biasing circuit	05	SIBA
88	Class A-B push pull Ampr	01	SIBA
89	RC coupling bypass circuit	01	SIBA
90	SCR Phase controlled bridge rectifier	01	SIBA
91	N/wTheorem kit	03	SIBA
92	Passive filter	01	SIBA
93	Class A/B Transformer coupled	02	SIBA
94	Single stage RC coupled	05	SIBA
95	RC By pass and coupling circuit	02	SIBA
96	M-derive passive filter	03	SIBA
97	Two stage negative feedback Ampr	01	SIBA
98	Complimentary symmetry class B push pull amplr	3	SIBA
99	Constant K passive filter	2	SIBA
100	Diode clipping and clamping circuit	3	SIBA
101	Class C amplifier	2	SIBA
102	Hybrid parameters of transistor CE	2	SIBA
103	Series pass transistor regulated power supply	2	SIBA
104	Class B push pull amplifier	2	SIBA
105	Single Phase midpoint cyclo convertor	01	SIBA
106	DC motor speed control	01	SIBA
107	Speed control of 1 phaseinduction motor	01	SIBA
108	Function generator	02	SIBA
109	Three phase SCR bridge	01	SIBA

	convertor		
110	Hystersis loop tracer	01	Omega
111	Speed motor	01	SIBA
112	Speed controller	01	SIBA
113	Auto ranging 4 ½ digit multimeter	01	Scientific
114	Certificate of calibration	1	VTS system
115	Automotive cigarette lighter	1	VTS system
116	AC/DC power supply	1	VTS system
117	USB A-5 pin	1	VTS system
118	Ethernet cable	1	VTS system
119	Power Cord	1	VTS system
120	Master your career	1	VTS system
121	stylus	1	VTS system
122	8:4 screen protector film	1	VTS system
123	Content list	1	VTS system
124	Calibration kit	1	VTS system
125	Technical data sheet	1	VTS system
126	Frequency range 1 MHZ 14 Ghz	1	VTS system
127	VNA Mode	1	VTS system
128	Maxwell Inductance/Capicatance Bridge	1,2	(Satish Bro's)
129	Wein Bridge	1,2	
130	Portable Wheat stone	2,1	Sciencetech
131	Schering Bridge	1,2	
132	Induction kelvin double bridge	2,2	
133	Constant current power supply	2	Sciencetech
134	Study of lissagious pattern	1	Siba
135	Series and parallel resonance	1	Siba
136	Study of resonance coil	4	Siba
137	Unknown inductance and capacitance	4	
138	A.C milli voltmeter	2	Sciencetech
139	Electronic null detector	5	Sciencetech
140	D.C source for kelvin bridge	1,3	Sciencetech
141	L.C.R Qmeter	6(A) 2(D)	
142	Light Dimmer	1	
143	Anderson bridge	1,1	Siba
144	electromagnetic power supply	1	Sciencetech
145	Digital guass meter	1	Satish Bro's
146	NI PXIE 5644 VECTOR SIGNAL TRANSCIEVER	1	
147	CB 2162 SINGLE ENDED DIGITAL I/O ACESSORY	1	
148	SMB 2163 SINGLE ENDED DIGITAL I/O ACESSORY RACK MOUNT	1	

149	SOFTWARE RADIO EDUCATIONAL LAB STATION (USRP-2920)	8	
150	144 MHZ ,400 MHZ AND 1200 MHZ TRI-BAND 7 INCH VERTICAL ANTENNAS	8	
151	500 GB 2.5 SATA HDD	1	
152	DDR RAM -4GB FOR PXIE	1	
153	USB ENGLISH KEYBOARD AND OPTICAL MOUSE	1	
154	FPM-1019 WIDESCREENN FLAT PANEL MONITOR	1	
155	PXIE-1062Q ,8 SLOT 3U PXIE CHASSIS	1	
156	LABVIEW 2012 SITE LICENCE WITH BUNDLED SOFTWARE	1	
157	NI PXIE 8115 CORE I5 2510E 2.5 GHZ CONTROLLER	1	
158	BUNDLED SOFTWARE AND ACCESSORIES FOR THE INTERFACING ABOVE EQUIPMENTS WITH COMPUTER	As per equipment available	
159	TEXAS instruments KITS	6	
160	LVDT Kit	01	
161	Verify truth table of various logic gates	01	
162	Panel of RL circuits	01	
163	Single phase transformer	04	
164	Panel of start and reverse the direction of rotation of 3-phase induction motor.	01	
165	Panel to verify line voltage/ phase voltage, line current relationship in case of 3-phase start and delete connection.	01	
166	Panel of constant of 1-phase energy mentor	01	
167	Panel to check polarity and ratio test of transformer	01	
168	Panel to perform open circuit and short circuit test on 1-phase transformer	01	
169	Panel to see speed control of DC shunt motor	01	
170	Panel for line voltage phase relationship of 3-phase	01	
171	Panel for conversion of transformer	01	
172	3-Phase capacitive load	02	
173	Kit for transistor characteristic's	01	

	with regulated power supplier			
174	Kit for diode characteristics	01		
175	Kit for diode rectifier and filter characteristics	01		
176	Kit for study of	01		
177	Kit for study of digital	01		
178	Carrier demodulation and data reformatting receiver	2	Sciencetech 2157	
179	Data formatting and carrier modulation transmitter	2	Sciencetech 2156	
180	TDM pulse code modulation transmitter	2	Sciencetech 2153	
181	PPM-PAM-PWM modulation and demodulation	2	Sciencetech 2110	
182	TDM Pulse code demodulation and receiver	2	Sciencetech2154	
183	TDM PAM transmitter and receiver	2	Sciencetech2152	
184	Digital communication trainer	2	Sciencetech2155	
185	DSB/SSB AM receiver and transmitter	1	Sciencetech2202	
186	D to A convertor	3	Sciencetech 2602	
187	Optical communication Kit	2	Sciencetech 2501 A	
188	Power meter	1	Sciencetech	
189	Phase lock loop cd 406 characteristics	1	SIBA	
190	PLL frequency synthesizer	2	SIBA	
191	Diode clipper and clamping ckt.	2	SIBA	
192	Pulse position mod/Demod	1	SIBA	
193	DSBSC mod /ssb transmitter	1	SIBA	
194	Pulse amplitude mod/demod	1	SIBA	
195	Delta modulation/demod model CDM111	1	SIGMA CDM111	
196	PCM demodulation	1	SIGMA COM110	
197	Phase shift keying mod/demod	1	SIGMA COM116	
198	ASK mod/demod	1	SIGMA COM114	
199	FSK mod/demod	1	SIGMA COM115	
200	Digital line coding/decoding	1	SIGMA COM122C	
201	Waveguide Stands	20	ECE / MW / WGST – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18,19, 20	MARS
202	Coupler	3	ECE / MW / M. H. D Coupler – 1, 2, 3	MARS
203	Bends	3	ECE / MW / BEND – 1, 2, 3	MARS
204	Horn	4	ECE / MW / HORN – 1, 2, 4, 5	MARS
205	Twister	1	ECE / MW / TW	MARS
206	Variable Attenuator	9	ECE / MW/ V. ATT – 1, 2, 3, 4, 5, 6, 7, 8, 9	MARS

207	Magic T	2	ECE / MW / MGT - 1, 2	MARS
208	Coaxial	2	ECE / MW / CO . AX. AD - 1, 2	MARS
209	Matched Termination	3	ECE / MW / MT - 1, 2, 3	MARS
210	Circulator	6	ECE / MW / CIRCULATOR - 1, 2, 3, 4, 5, 6	MARS
211	Frequency Meter	4	ECE / MW / FM - 1, 2, 4, 5	MARS
212	Movable Short	5	ECE / MW / MS - 1, 2, 3, 4, 5	MARS
213	Detector Mount	3	ECE / MW / DM - 1, 3, 4	MARS
214	PIN Modulator	1		MARS
215	Liquid Dielectric Cell	1	ECE / MW / DI .EL . CELL	MARS
216	Dielectric Cell	1	ECE / MW / DI .EL . CELL	MARS
217	Gunn Oscillator	2	NV201	MARS
218	Microwave Stand	8	ECE / MW / ST - 1, 2, 3, 4, 5, 6, 7, 8,	MARS
219	Fan	2		MARS
220	Klystron	3		MARS
221	Circular Cavity	1	ECE / MW / CIR . CAVITY	MARS
222	Slot Antenna	2	ECE / MW / AN. WA - 1, 2	MARS
223	Klystron Power Supply (Variable)	4	ECE / MW / K. PS - 1, 2, 3, 4	MARS
224	VSWR Meter	5	ECE / MW / VSWR - Meter - 1, 2, 3, 4, 5	MARS
225	Gunn Power Supply Variable	1	ECE / MW / GPS	MARS
226	Microprocessor 8086	4	ECE / MP / 86 - 1, 2, 3, 4	VMC
227	Microprocessor 8086	1	ECE / MP / TK - 4	SCIENTECH
228	Microprocessor 8085	4	ECE / MP / TK - 1, 2, 3, 4	VINYTICS
229	8255 Study Card	3	ECE / MP / SC - 1, 2, 3	SCIENTECH
230	DC Motor Speed Control	1	ECE / MC / DMSC - 1	VINYTICS
231	Microcontroller Trainer	6	ECE / MC / TK - 3, 4, 5, 7, 8, 9	VINYTICS
232	Keyboard	1		TVS GOLD
233	ADC0809 Interface Card	1	ECE / MP / IC - 2	VINYTICS
234	LED Matrix Interface Card	1	ECE / MP / IC - 1	VINYTICS
235	8257 Study Card	1	ECE / MP / SC - 2	VINYTICS
236	Stepper Motor Controller	2	ECE / MP / SM - 1, 2	VINYTICS
237	DAC0800 Interface Card	1	ECE / MP / IC - 3	VINYTICS
238	Stepper Motor Controller	1	ECE / MP / SMIC	VINYTICS
239	Stepper Motor Controller	2	ECE / MC / DMSC - 2, 4	VINYTICS
240	DC Motor Speed Control	1	ECE / MC / DMSC - 3	VINYTICS
241	Microprocessor Kit 8085	1	ECE / MP / TK - 3	SCIENTECH
242	Microcontroller	1	ECE / MP / TB - 6 / 68K	ESA
243	Microprocessor 8086	2	ECE / MP / 86 - 5, 6	SCIENTECH
244	Microprocessor 8086	1	ECE / MP / TB	VINYTICS
245	Microprocessor	5	ECE / MP / TB - 2, 5, 7, 8, 4 / 85	ESA
246	Microprocessor 8086	2	ECE / MP / TB - 1, 3 / 86	ESA
247	8279 Study Card	1		VINYTICS
248	Regulated DC Power Supply	5		ESA

249	Adapter	5	ECE / MC / AD - 1, 2, 3, 4, 5	
250	Keyboard	2	ECE / MC / KB - 4, 5	
251	Adapter	4	ECE / MP / AD - 1, 2, 3, 4	Panasonic
252	IC Tester	3	EC1 - UT 1, 2, 3	VPL
253	Digital Bread Board Trainer	5	ECE / DE / TB - 2, 3, 4, 5, 7	SIBA
254	Digital Bread Board Trainer	1	EC1 / BBT - 4	SIBA
255	CRO	1	ECE / DE / CRO - 4	APLAB
256	DC Power Supply	4	ECE / DE / DCPS - 1, 2, 3, 4	APLAB
257	2 MHz Function Pulse Generator	2	ECE / DE / FG - 1, 2	Sciencetech
258	Adapter	3	ECE / DE / AD - 1, 2, 3	ESS
259	VPL Embedded Trainer Kit	5	ECE / VLSI / TK - 1, 2, 3, 5, 6	VPL
260	I2IT	1	ECE / VLSI / TK - 7	I2IT
261	8 Port Ethernet Hub	2		Intex
262	CRO	4	ECE / AE / CRO - 1, 3, 4, 5	APLAB
263	CRO	2	EC3 / CRO - 20 / 2, 25 / 2	SCIENTECH
264	Multimeter	1	ECE / ST / 02	CHY
265	DC Power Supply	1	ECE / AE / DCPS - 2	APLAB
266	CRO	1	ECE / AE / CRO - 1	Nvis Tech.
267	Low Distortion Audio Generator	5	ECE / AE / FG - 1, 2, 5, 6, 7	Sciencetech
268	10 MHz Function - Pulse - Data Generator with Frequency Counter	2	ECE / AE / FG - 1, 2	Sciencetech
269	Measurement Of Light Intensity Using LDR	1		SIBA
270	Measurement Of Temperature By Thermocouple Transducer	1		SIBA
271	Measurement of Temperature By RTD Transducer	2		SIBA
272	OP AMP Circuits	3	ECE / LIC / TK - 8, TK - 23, TK - 26	SIBA
273	OP AMP Parameters	2	ECE / LIC / TK - 20, TK - 21	SIBA
274	OP AMP Instrumentation Amplifier	3	ECE / LIC / TK - 17, TK - 24, TK - 25	SIBA
275	Phase Lock Loop CD 4046 Characteristics	1	ECE / LIC / TK - 15	SIBA
276	IC 555 Delay Circuit	1	ECE / LIC / TK - 13	SIBA
277	OP AMP Parameters	1	EC3 / LIC / Kit / 9	SIBA
278	OP AMP Summer - Inverter - Multiplier - Integrator	1	EC3 / LIC / Kit / 11	SIBA
279	Study of DC Regulated Power Supply	1	EC3 / LIC / Kit / 3	SIBA
280	First Order Butterworth Active Filter	1	EC3 / LIC / Kit / 6	SIBA
281	OP AMP Wein Bridge Oscillator	1	EC3 / LIC / Kit / 13	SIBA
282	Differential Amplifier	1	EC3 / LIC / Kit / 4	SIBA
283	Differential Amplifier	1	ECE / LIC / TK - 19	SIBA

284	OP AMP Applications	1	EC3 / LIC / Kit / 8	SIBA
285	OP AMP Log - Antilog Circuit	1	EC / LIC / TK - 22	SIBA
286	Study of PLL Characteristics and Frequency Multiplication	1	EC3 / LIC / Kit / 7	SIBA
287	OP AMP Experiments	2	EC3 / LIC / OPAMP - Expr Kit - 1, 2	SIBA
288	Linear I. C. Trainer	3	EC3 / LIC / 1 / 2 / 3	SIBA
289	CRO	1	ECE / LIC / CRO - 01	Nvis Tech.
290	1 MHz Function Generator	1	EC3 / FG / 1 MHz / 1	Sciencetech
291	Lenovo System	32	RAM- 4GB, Hard disk- 500 GB, Processor DC	
292	Servo System	01	Intel R core 2 DUO, RAM- 2 GB Hard disk- 80 GB	
293	Projector	01	Dell	
294	DVD Player	01	SONY	
295	LED TV	01	FUNAI	
296	Television 29"	01	ONIDA	
297	UPS 10 KVA + 15 Batteries	01	DATA VISION	
298	Cordless Mike	02	UNISOUND	
299	Energy Band Gap Kit	09	Thermometer, Small heater complete kit	
300	Zener Diode Kit	08	Voltmeters, Loyd resistance with complete kit	
301	PN Junction DiodeKit	09	Voltmeter and Ammeter with complete kit	
302	Impedance LCR circuit Kit	06	Inductance, Resistance, Capacitance	
303	Variation of Magnetic Field complete set	06	Stewart and Gee type Galvanometer, Leads	
304	Optical Fiber kit	05	Complete kit	
305	Polarization of Dielectric kit	07	Dielectric Plates , Capacitor included in kit	
306	AC Mains complete set	08	Electrical vibrator, Bulb, uniform Thread included in kit	
307	Travelling Microscope set	03	Complete set	
308	Electromagnet	02	Electromagnet only	
309	Multimeter	03		
310	Weight Box	08	Weight Box with fractional weights	
311	Rheostat	04		

312	Charts	04	Charts (Hanging)
313	RF Oscillator for Ultrasonic experiment	01	
314	RF Oscillator	01	
315	Stewart and Gee type Power Supply	07	Galvanometer
316	Lamps (Sodium and Mercury)	09	Lamps with box
317	PH meter	05	Labtronics
318	Digital Conductivity meter	05	Labtronics
319	Digital Calorimeter	05	Labtronics
320	Electronic weighing balance	02	Citizen scales Pvt. Ltd.
321	Muffle Furnace	01	Navyug India
322	Hot water bath	01	
323	Abbe's Flash point	02	
324	Hot air oven	01	Navyug India
325	Heating Mantle	01	Capacity (500 ml)
326	Desicator	02	
327	Kipp's Apparatus	02	
328	MCA Lab-1	30	Motherboard = MSI 945, Processor = Intel Pentium (R) G670 2.6 GHz, RAM = 2 GB, HDD = 160 GB
329	Dealing Switch	24	
330	White Board	01	
331	Notice Board	01	
332	MCA Lab-2	36	Motherboard = Gigabytes g31, Processor = Intel Dual Core 2.7 GHz, RAM = 3 GB, HDD = 250 GB
333	Project Lab-1	29	Processor = Pentium Dual Core 3.20 GHz, RAM = 2 GB, HDD = 320 GB

334	Project Lab-2	30	Processor = Intel Dual Core E2160, RAM = 1 GB, HDD = 40 GB
335	Gas Range	10	4 Burners with Pilot
336	Refrigerator	1	4 Door
337	Kadhai	10	
338	Sink	10	
339	Working Table	10	With 2 Slabs
340	Ladle (Small)	10	
341	Ladle (Big)	10	
342	Tawa	10	
343	Sauce Pan	10	
344	Strainer	5	
345	Spatula	10	
346	Deep Fry Strainer	10	
347	Vessels (Big)	10	
348	Vessels (Small)	10	
349	Chopping Board	10	
350	Mixer Grinder	1	
351	Bowls	10	
352	Rack	5	Stainless Steel
353	Gas Range	10	4 Burners with Pilot and working Table
354	Refrigerator	1	4 Door
355	Kadhai	10	
356	Sink	4	
357	Refrigerator	1	Single Door
358	Ladle (Small)	8	
359	Ladle (Big)	8	
360	Tawa	10	
361	Sauce Pan	2	
362	Strainer	2	
363	Spatula	5	
364	Deep Fry Strainer	4	
365	Stock Pot	10	
366	Copper Vessels	5	
367	Chopping Board	10	
368	Mixer Grinder	1	
369	Bowls	6	
370	Rack	4	Stainless Steel
371	Salamander	1	
372	Microwave	1	
373	Electric Deep Fryer	1	
374	Tandoor	1	
375	Demonstration Table	1	With Hot Plate
376	Ice Making Machine	1	

377	Mixer Grinder	1	
378	Gas Range	2	3 Burners with Pilot
379	Kadhai (Big)	2	
380	Sink	5	
381	Spatula (Big)	2	
382	Tandoor	1	
383	Chapatti Puffer	1	
384	Working Table	3	With 2 Slab
385	Mixer Grinder	1	
386	Gas Range	2	With Gas Oven
387	Working Table	10	
388	Sink	2	
389	Dough Mixer Big	1	
390	Dough Mixer Small	1	
391	Oven	1	With 2 Deck
392	Whisker	2	
393	Refrigerator Big	1	Stainless steel Double door
394	Microwave	1	
395	Refrigerator small	1	Single door
396	Computers	2	With Gas Oven
397	Computer Table	10	
398	Clock	2	
399	Reception Table	1	
400	Chairs	20	
401	Table	1	
402	Washing Machine	1	Semi-Automatic
403	Washing Machine	1	Fully Automatic
404	Dryer	1	
405	Iron	1	
406	Sink	4	
407	Table for Sitting	20	
408	Double Bed	1	
409	Sofa	2	
410	Center Table	1	
411	Geyser	1	
412	Air conditioner	1	
413	Double Bed	1	
414	Sofa	3	
415	Center Table	1	
416	Geyser	1	
417	Air conditioner	1	
418	Wooden Almira	1	
419	Table	13	
420	Chair	35	
421	Air conditioner	3	
422	Geyser	1	
423	Water Purifier	1	
424	Sink	2	

425	Chef N Dish	6	
426	Dummy Waiter	2	
427	Flambé Trolley	1	
428	Plate Warmer	1	
429	Wooden Almira	1	
430	Aggregate crushing value	01	JP Scientific Instruments
431	Aggregate Impact Value	01	JP Scientific Instruments
432	Bitumen Extension Test	01	JP Scientific Instruments
433	Bitumen Extension Test (Electrically Operated)	01	Bharat Emporium
434	Benkelman Beam	01	Hydraulic and Engineering Instruments
435	Ductility Test, Mold, Pump, Thermometers	01	JP Scientific Instruments
436	Digital Thermometer	01	JP Scientific Instruments
437	Flash and Fire Point (Electrically Heated)	01	Hydraulic and Engineering Instruments
438	Loss Angelis Apparatus	01	JP Scientific Instruments
439	Marshall Apparatus (Electrically operated)	01	Hydraulic and Engineering Instruments
440	Penetration Test with Accessories	01	JP Scientific Instruments
441	Universal Pentrometer with Automatic Time Control	01	Hydraulic and Engineering Instruments
442	PAN of Mattel for Bitumen Mixing	01	Local
443	Hot Air Owen	01	Hydraulic and Engineering Instruments
444	Softening point test and rings, balls, beaker, thermometer, heater	01	JP Scientific Instruments
445	Thickness, length gauges	01	JP Scientific Instruments
446	IS Seaves (11.2 and 5.6 mm)	02	JP Scientific Instruments
447	Viscometer (Electrically Heated)	01	Hydraulic and Engineering Instruments
448	Weighing Machine (30 kg capacity)	01	Leotronic scales pvt ltd
449	Water Bath(12"X18")	01	JP Scientific Instruments
450	Total Station	1	Nikon
451	Digital Thedolite	1	Hydraulic and Engineering Instruments
452	Vernier Transit Thedolite	5	JP Scientific Instruments
453	Vernier Transit Thedolite	5	PIE
454	Abhey Level	05	JP Scientific Instruments
455	Alidade Set	10	JP Scientific Instruments
456	Arrows	20	JP Scientific Instruments
457	Auto Level with stand	6	All Days
458	Auto Level with stand	4	Nikon
459	Box Sextant	2	JP Scientific Instruments
460	Clinometers	5	JP Scientific Instruments
461	Cross Staff	5	JP Scientific Instruments
462	Dumpy Level with stand	4	JP Scientific Instruments

463	Fiber Tapes 100m	2	JP Scientific Instruments
464	Fiber Tapes 30m	1	JP Scientific Instruments
465	Fiber Tapes 20m	1	JP Scientific Instruments
466	Fiber Tapes 15m	1	JP Scientific Instruments
467	Fiber Tapes 50m	1	JP Scientific Instruments
468	Ghat Tracer	2	JP Scientific Instruments
469	Hand Level	5	JP Scientific Instruments
470	IOP Level	2	JP Scientific Instruments
471	Leveling staffs 4m	6	JP Scientific Instruments
472	Leveling staffs 5m	4	JP Scientific Instruments
473	Line rangers	5	JP Scientific Instruments
474	Magnetic compass	11	JP Scientific Instruments
475	Chains 2+2	4	JP Scientific Instruments
476	Metallic tape 10m	1	JP Scientific Instruments
477	Metallic tape 15m	1	JP Scientific Instruments
478	Metallic tape 20m	1	JP Scientific Instruments
479	Metallic tape 30m	1	JP Scientific Instruments
480	Metallic tape 50m	1	JP Scientific Instruments
481	Offset Rod 2m	5	JP Scientific Instruments
482	Offset Rod 3m	5	JP Scientific Instruments
483	Optical square	5	JP Scientific Instruments
484	Pentagraph	2	JP Scientific Instruments
485	Plane Table	14	JP Scientific Instruments
486	Prismatic compass	4	JP Scientific Instruments
487	Plain meter	1	JP Scientific Instruments
488	Prism Square	5	JP Scientific Instruments
489	Ranging Rods 2m	5	JP Scientific Instruments
490	Ranging Rods 3m	25	JP Scientific Instruments
491	Ranging Rods 4m	5	JP Scientific Instruments
492	Spirit Level	6	JP Scientific Instruments
493	Steel Band	4	JP Scientific Instruments
494	Survey Compass	2	JP Scientific Instruments
495	Survey Umbrella	2	JP Scientific Instruments
496	Telescopic Aledade	2	JP Scientific Instruments
497	Tilting Level	2	JP Scientific Instruments
498	GPS	1	JP Scientific Instruments
499	Triaxial Test Apparatus	1	Hydraulic and Engineering Instruments
500	California Bearing Ratio Test Apparatus	1	Hydraulic and Engineering Instruments
501	Direct Shear test Apparatus	1	JP Scientific Instruments
502	Unconfined Compressive Strength Apparatus	1	JP Scientific Instruments
503	Constant and Filling Head Permeability Test Apparatus	1	JP Scientific Instruments
504	Standard Penetration Method for Insitu Density	1	JP Scientific Instruments
505	Sand Replacement Method for Insitu Density	2	JP Scientific Instruments
506	Core Cutter Method for Insitu	1	JP Scientific Instruments

	Density		
507	Standard Proctor Test Apparatus	2	JP Scientific Instruments
508	Modified Proctor test Apparatus	2	Hydraulic and Engineering Instruments
509	Automatic Compacting Machine	1	Hydraulic and Engineering Instruments
510	Permeameter Moulds	2	Hydraulic and Engineering Instruments
511	Relative Density Test Apparatus	1	Hydraulic and Engineering Instruments
512	Porous Plates	2	JP Scientific Instruments
513	Dial Gauges	4	JP Scientific Instruments
514	Mould Extractor	1	Hydraulic and Engineering Instruments
515	Soil Specimen Moulds	10	Hydraulic and Engineering Instruments
516	Weighing Balance	1	Leotronics
517	Beakers 1000ml	1	Bright way
518	Brush	4	Local
519	Fry Pan	1	Local
520	Trays	4	Local
521	Gloves	1	Local
522	Measuring Tape	2	JP Scientific Instruments
523	Pliers	1	Local
524	Pycnometer	2	Local
525	Screw Driver	1	Local
526	Spanner Set	1	Local
527	Liquid Limit Apparatus	1	JP Scientific Instruments
528	Bulking Apparatus	1	JP Scientific Instruments
529	Ultrasonic Pulse Velocity Concrete Apparatus	1	Hydraulic and Engineering Instruments
530	Rebound Hammer Apparatus	1	Hydraulic and Engineering Instruments
531	CTM(100MT) Capacity	1	Hydraulic and Engineering Instruments
532	CTM (2000KN) Capacity	1	Hydraulic and Engineering Instruments
533	Compaction Factor Apparatus	2	JP Scientific Instruments
534	Cube Moulds (15X15X15)Cm	13	JP Scientific Instruments
535	Cube Moulds (15X15X15)Cm	12	JP Scientific Instruments
536	Cube Moulds (15X15X15)Cm	1	JP Scientific Instruments
537	Cube Moulds (15X15X15)Cm	6	Hydraulic and Engineering Instruments
538	Cylindrical Moulds (10X10X10)Cm	2	JP Scientific Instruments
539	Cylindrical Moulds (15X30)Cm	2	JP Scientific Instruments
540	Concrete Beam(10X10X50)Cm	1	JP Scientific Instruments
541	Concrete Beam(15X15X70)Cm	1	JP Scientific Instruments
542	Concrete Mixer	1	JP Scientific Instruments
543	Flexural Testing Machine	1	Hydraulic and Engineering Instruments

544	Le-Chartelier Flask	9	JP Scientific Instruments
545	Le-Chartelier Apparatus	7	JP Scientific Instruments
546	G JAR		
	i) 100ml	1	JP Scientific Instruments
	ii) 200ml	1	JP Scientific Instruments
	iii) 1000ml	1	JP Scientific Instruments
547	Metal Trays		
	i) 380X304X50 mm	3	Sidhu Trunk House
	ii) 304X228X38 mm	3	Sidhu Trunk House
	iii) 203X203X30 mm	6	Sidhu Trunk House
548	Oven	1	JP Scientific Instruments
549	Pycnometer	1	JP Scientific Instruments
550	Pycnometer	4	Satish brothers
551	Pycnometer	5	Hydraulic and Engineering Instruments
552	Sieves		
	i) 20 cm	12	JP Scientific Instruments
	ii) 30cm	10	JP Scientific Instruments
553	Sieve Shaker Electrical	1	Hydraulic and Engineering Instruments
554	Sieve Shaker Motorized	1	Hydraulic and Engineering Instruments
555	Set of (11) sieves	1	Hydraulic and Engineering Instruments
556	Slump test Apparatus	1	JP Scientific Instruments
557	Slump test Apparatus	4	Satish Brothers
558	Slump test Apparatus	2	Hydraulic and Engineering Instruments
559	Stopwatch	1	JP Scientific Instruments
560	Trowels	4	Satish Brothers
561	Tensile Strength Test	1	Hydraulic and Engineering Instruments
562	Vicat Apparatus	2	JP Scientific Instruments
563	Vicat Apparatus	4	Satish Brothers
564	Vicat Apparatus	3	Hydraulic and Engineering Instruments
565	VEE BEE Test	2	JP Scientific Instruments
566	Vibrating Apparatus	1	JP Scientific Instruments
567	Vibrating Apparatus	1	Hydraulic and Engineering Instruments
568	Weighing Balance		
	i) 10 KG	1	JP Scientific Instruments
	ii) 30 KG	1	Leotronics
569	Wire Basket	1	JP Scientific Instruments
570	Apparatus for verification of clarkMaxwell's reciprocal theorem from J.P Scientific Roorkee	1	JP Scientific Instruments
571	Three hinged arched apparatus from J.P Scientific Roorkee	1	JP Scientific Instruments

572	Unsymmetrical Bending Moment Apparatus from J.P Scientific Roorkee	1	JP Scientific Instruments
573	Redundant joint Apparatus from J.P Scientific Roorkee	1	JP Scientific Instruments
574	Deflection of Truss Apparatus from J.P Scientific Roorkee	1	JP Scientific Instruments
575	Columns and struts apparatus from J.P Scientific Roorkee	1	JP Scientific Instruments
576	Curved members apparatus from J.P Scientific Roorkee	1	JP Scientific Instruments
577	Elastic properties of deflection beam apparatus from J.P Scientific Roorkee	1	JP Scientific Instruments
578	Two hinged arch apparatus from J.P Scientific Roorkee	1	JP Scientific Instruments
579	Hangers	24	JP Scientific Instruments
580	Muffle furnace	1	
581	Polishing Machine	1	
582	Specimen mounting press	1	
583	Microscope	1	
584	Universal Testing Machine	1	
585	Torsion Testing Machine	1	
586	Fatigue Testing Machine	1	
587	Rockwell Hardness Tester	1	
588	Brinell Hardness Tester	1	
589	Impact Testing Machine	1	
590	Spring Testing Machine	1	
591	Single Cylinder four Stroke water cooled diesel engine	1	
592	Multi Cylinder four stroke petrol engine	1	
593	Separating calorimeter	1	
594	Lancashire boiler	1	
595	Babcock & Wilcox Boiler	1	
596	Steam Turbine	1	
597	Impulse Turbine	1	
598	Four Stroke Petrol Engine	1	
599	Steam Engine	1	
600	Two Stroke Diesel Engine	1	
601	Two Stroke Petrol Engine	1	
602	Venturimeter Apparatus	1	
603	Bernoulli's Theorem Apparatus	1	
604	Orifice Apparatus	1	
605	Pitot tube Apparatus	1	
606	Notch Apparatus	1	
607	Reynold,s Apparatus	1	
608	Pipe line Friction Apparatus	1	
609	Pipe Fitting Friction Apparatus	1	
610	Metacentric Height	1	

611	Rapid moisture tester	1
612	Compressive strength tester	1
613	Permeability Tester	1
614	Sieve shaker (Vibratory)	1
615	Sieve shaker (Rotary)	1
616	sand Muller	1
617	Strength tester	1
618	Sand washer	1
619	Green Hardness tester	1
620	Core hardness tester	1
621	Rammer	1
622	Weighing Machine	1
623	Four Bar Link Model	1
624	Gear Box	1
625	Tachometer	1
626	Journal Bearing Apparatus	1
627	Cam Follower	1
628	Beam Engine	1
629	Slider Crank Mechanism	1
630	Turning Pair	1
631	Universal Governor Apparatus	1
632	Static & Dynamic balancing Demonstration	1
633	Motorized gyroscopic with stainless vice	1
634	Stop Watch	1
635	CAM Analysis Apparatus	1
636	Epicyclic gear train Apparatus	1
637	Differential Gear	1
638	Gear box	1
639	Cooling System of an Automobile	1
640	Mechanical Brake	1
641	Hydraulic Brake	1
642	Ignition System of Automobile	1
643	Steering System	1
644	Clutch	1
645	Dynamo	1
646	Model of car	1
647	Engine	1
648	Heat Transfer in forced convection	1
649	Heat Transfer through natural convection	1
650	Heat pipe Demonstration	1
651	Thermal Conductivity of insulating powder	1
652	Heat Transfer from fin	1
653	Drop wise/film wise condensation	1
654	Thermal conductivity of Liquids	1
655	Thermal Conductivity Insulating slab	1

656	Stefan boltzman Apparatus	1
657	Pool Boiling Apparatus	1
658	Profile Projector	1
659	Surface Plate	1
660	Vernier Calliper (Manual)	1
661	Vernier Calliper (Digital)	1
662	Sin Bar & Slip Gages	1
663	Micro Meter	2
664	Vernier Hight Gauge	1
665	Strobo Scope	1
666	Tool Maker Microscope	1
667	Talysurf Surface roughness tester	1
668	Air conditioning Test Rig	1
669	Refrigeration Test Rig	1
670	Air cooled Condenser	1
671	Ammonia Control cut model	1
672	Capillary Tube	1
673	Evaporative Condenser	1
674	Expansions Valve	1
675	Filter & drier Set	1
676	Hermetically Sealed Reciprocating compressor	1
677	Heat exchanger	1
678	Solenoid valve	1
679	Rotary compressor	1
680	Shell Tube Condenser	1
681	Thermo static valve	1
682	Electrolux refrigeration Test Rig	1
683	Centrifugal Blower	1
684	Centrifugal Pump	1
685	Pelton Turbine	1
686	Francis Turbine	1
687	Stop Watch	4
688	Techometer	1
689	Reciprocating pump test rig	1
690	Atmega 128 microcontroller + base board	20
691	Development board of Atmega 128 microcontroller	8
692	Atmega 16 microcontroller	30
693	Development board for Atmega 16 microcontroller	10
691	Atmega 8 microcontroller	30
692	Development board for Atmega 8 microcontroller	12
693	Serial Programmer	12
694	L298 DC Motor Driver Board	20
695	Relay DC Motor Driver Board	20
696	VNH DC Motor Driver Board	10

697	MOSFET DC Motor Driver Board	10
698	Pneumatics Actuator Board	10
699	Stepper Motor Driver Board	8
700	Soldering Guns	5
701	Heat Gun	1
702	Tweezers	2
703	MB1000 LV-MaxSonar EZ0	2
704	IR (GP2) distance sensor (Sparkfun)	2
705	Proximity Sensors	12
706	Encoders	2
707	3 Axis Gyroscope	2
708	3 axis Accelerometer	1
709	Encoder Sensor Module	8
710	3 Sensor Line following Array	10
711	Proximity Interfacing board	6
712	12 V Johnson DC Motors	30
713	12V Mechtex DC Motors	8
714	Stepper Motors	4
715	Servo Motors	6
716	Lipo 11.1 V 5000 mAh battery	2
717	Li Ion 12 V 6000 mAh battery	6
718	Lead Acid 12 V 4000 mAh battery	6
719	Li Ion 9V 2000 mAh battery	4
720	Battery Charger	1
721	XBEE PRO 60MW WIRE ANTENNA	2
722	SIM 300 GSM Modem	2
723	Parallel link gripper	1
724	Pneumatic gripper (Parallel)	1
725	Pneumatic gripper (Angular)	1
726	Universal Gripper	1
727	Power Screws	1
728	Miniature Rails and Carriages	1
729	Belts	10
730	Slotted Pulleys	20
731	Gears	20
732	Rack	2 meter
733	Pinion	10
734	Omni Wheels	4
735	Aluminium Wheels	4
736	Solenoid Valve	8
737	Cylinders	10
738	Union Straight	6
739	Union Straight Different diameter	3
740	Union Elbow	4
741	Union Tee	4

742	Cross Union	4
743	Union Y	4
744	Male connector(Push in fitting) (R-Thread 1/8)	60
745	Push in fitting	30
746	Flow Control Valves GR2 series	12
747	Shut off valves knob type GS3 series 1/8	2
748	Non return valve 1/8	2
749	FRL Modular G1/4	1
750	Pressure gauges R1/8 (0-10 bar)	5
751	Polyurethane Tubes	50m
752	Coiled Tubes	12m
753	Tube cutter	2
754	Air Compressor	1
755	Reed Switch type Magnetic Sensor and PLC System	4
756	Seimens LOGO Logic Module	1
757	Bosch Tool kit	1
758	Angle Grinder	1
759	Cordless drill Machine	1
760	Aluminium Welding Machine	1
761	Bench grinder	1
762	Riveter	1
763	Angle finder	1
764	Meter tape	2
765	Bench Vice	1
766	C-clamp	1
767	Digital Vernier calipers	1
768	Steel ruler and square	4
769	Hot glue gun	2
770	Hack saw	2
771	Tap and die set	3
772	Screw driver set	1
773	Nose pliers	2
774	Spanner set	1
775	Linear Bearings	10
776	Pulleys	10
777	Acceleration cables	10
778	Nylon Ropes	1
779	Araldite	1
780	M-seal	2
781	Fevicol	1
782	Loctite	1
783	Wheel grip	1
784	Plastic Wheels	10
785	Poly carbonate sheet	1
786	Allen key set	2

787	Drill bits	2	
788	Hinges	10	
789	Drums	10	
790	Castors	20	
791	Mechanical Vibration Apparatus	1	
792	Dept of Pharmaceutics	1	Ampoule sealing machine
793	Dept of Pharmaceutics	5	Magnetic stirrer 500ml & 1 Litr capacity
794	Dept of Pharmaceutics	1	Aseptic cabinet
795	Dept of Pharmaceutics	1	Tablet coating machine
796	Dept of Pharmaceutics	1	Ball mill
797	Dept of Pharmaceutics	1	Double cone blender
798	Dept of Pharmaceutics	2	Autoclave
799	Dept of Pharmaceutics	1	Steam distillation still
800	Dept of Pharmaceutics	3	Vacuum pump
801	Dept of Pharmaceutics	1	Standard sieves no. 8, 10, 12, 22, 44, 66, 80
802	Dept of Pharmaceutics	1	Tablet punching machine
803	Dept of Pharmaceutics	1	Capsule filling machine
804	Dept of Pharmaceutics	1	Ampoules washing machine
805	Dept of Pharmaceutics	2	Tablet Disintegration apparatus
806	Dept of Pharmaceutics	5	Hardness tester
807	Dept of Pharmaceutics	2	Friability test apparatus
808	Dept of Pharmaceutics	1	Clarity test apparatus
809	Dept of Pharmaceutics	1	BOD Incubator
810	Dept of Pharmaceutics	5	Digital pH meter
811	Dept of Pharmaceutics	1	Bulk density
812	Dept of Pharmaceutics	5	Hot plate
813	Dept of Pharmaceutics	1	Humidity Chambers
814	Dept of Pharmaceutics	1	Tray dryer
815	Dept of Pharmaceutics	1	Moisture balance
816	Dept of Pharmaceutics	5	Water bath
817	Dept of Pharmaceutics	1	Ointment filling machine
818	Dept of Pharmaceutics	2	Capsule counter
819	Dept of Pharmaceutics	5	Homoginizer
820	Dept of Pharmaceutics	5	Digital balance
821	Dept of Pharmaceutics	30	Microscope
822	Dept of Pharmaceutics	30	Stage and eye piece micrometers

823	Dept of Pharmaceutics	1	Brookfileld viscometer
824	Dept of Pharmaceutics	1	Sieve Shaker Machine
825	Dept of Pharmaceutics	1	Extractive Distillator
826	Dept of Pharmaceutics	5	Mechanical Stirrer
827	Dept of Pharmaceutics	25	Suppository mold
828	Dept of Pharmaceutics	4	Ultra Sonicator
829	Dept of Pharmaceutics	1	Sterility tester
830	Dept of Pharmaceutics	5	Franz Diffusion cell
831	Dept of Pharmaceutics	5	Hot Air Oven
832	Dept of Pharmaceutics	2	Tablet Dissolution test apparatus
833	Dept of Pharmaceutics	40	Mortar and Pestle
834	Dept of Pharmaceutics	1	Milli Pore Filter
835	Dept of Pharmaceutics	2	Vacuum Distillator
836	Dept of Pharmaceutics	5	Desiccators
837	Dept of Pharmaceutics	2	Refrigerator
838	Dept of Pharmaceutics	2	Tincture press
839	Dept of Pharmaceutics	2	Centrifuge
840	Dept of Pharmaceutics	1	Colony Counter
841	Dept of Pharmaceutics	1	Antibiotic Zone Rader
842	Dept of Pharmaceutics	1	Laminar Air Flow
843	Dept of Pharmaceutics	4	Micropipette single & Multi Channeled
844	Dept of Pharmaceutics	2	UV Cabinet
845	Dept of Pharmaceutical Chemistry	1	Refractometer
846	Dept of Pharmaceutical Chemistry	1	Polarimeter
847	Dept of Pharmaceutical Chemistry	1	Photoelectric colorimeter
848	Dept of Pharmaceutical Chemistry	2	Atomic model set
849	Dept of Pharmaceutical Chemistry	2	Electronic balance
850	Dept of Pharmaceutical Chemistry	Adequate	Periodic table chart
851	Dept of Pharmaceutical Chemistry	8	Hot plates
852	Dept of Pharmaceutical Chemistry	5	Oven
853	Dept of Pharmaceutical	2	Refrigerator

	Chemistry		
854	Dept of Pharmaceutical Chemistry	5	Analytical Balances for demonstration
855	Dept of Pharmaceutical Chemistry	5	Digital balance 10mg sensitivity
856	Dept of Pharmaceutical Chemistry	5	Suction pumps
857	Dept of Pharmaceutical Chemistry	2	Muffle Furnace
858	Dept of Pharmaceutical Chemistry	5	Mechanical Stirrers
859	Dept of Pharmaceutical Chemistry	10	Magnetic Stirrers with Thermostat
860	Dept of Pharmaceutical Chemistry	2	Vacuum Pump
861	Dept of Pharmaceutical Chemistry	5	Digital pH meter
862	Dept of Pharmaceutical Chemistry	2	Microwave Oven
863	Dept of Pharmaceutical Chemistry	2	Distillation Unit
864	Dept of Pharmaceutical Chemistry	20	Arsenic Limit Test Apparatus
865	Dept of Pharmaceutical Chemistry	20	Reflux flask and condenser double / triple necked
866	Dept of Pharmaceutical Chemistry	50	Nessler's Cylinders
867	Dept of Pharmaceutical Chemistry	25	Reflux flask and condenser single Necked
868	Dept of Pharmaceutical Chemistry	5	Electronic water bath(12 holes)
869	Dept of Pharmaceutical Chemistry	25	Copper water bath
870	Dept of Pharmaceutical Chemistry	1	Colorimeter
871	Dept of Pharmaceutical Chemistry	1	UV- Visible Spectrophotometer
872	Dept of Pharmaceutical Chemistry	1	Flourimeter
873	Dept of Pharmaceutical Chemistry	1	Digital Balance (1mg sensitivity)
874	Dept of Pharmaceutical Chemistry	1	Nephelo Turbidity meter

875	Dept of Pharmaceutical Chemistry	1	Flame Photometer
876	Dept of Pharmaceutical Chemistry	1	Potentiometer
877	Dept of Pharmaceutical Chemistry	1	Conductivity meter
878	Dept of Pharmaceutical Chemistry	1	HPLC
879	Dept of Pharmaceutical Chemistry	1	HPTLC (Desirable)
880	Dept of Pharmaceutical Chemistry	1	Atomic Absorption and Emission spectrophotometer (Desirable)
881	Dept of Pharmaceutical Chemistry	1	Biochemistry Analyzer (Desirable)
882	Dept of Pharmaceutical Chemistry	1	Carbon, Hydrogen, Nitrogen Analyzer (Desirable)
883	Dept of Pharmaceutical Chemistry	1	Deep Freezer (Desirable)
884	Dept of Pharmaceutical Chemistry	1	Ion- Exchanger
885	Dept of Pharmaceutical Chemistry	1	Lyophilizer (Desirable)
886	Dept of Pharmacology	20	Microscopes
887	Dept of Pharmacology	20	Haemocytometer with Micropipettes
888	Dept of Pharmacology	20	Sahli's haemocytometer
889	Dept of Pharmacology	1	Hutchinson's spirometer
890	Dept of Pharmacology	10	Spygmomanometer
891	Dept of Pharmacology	10	Stethoscope
892	Dept of Pharmacology	1	Different Contraceptive Devices and Models
893	Dept of Pharmacology	1	Pregnancy diagnosis kit
894	Dept of Pharmacology	10	Mercury thermometer
895	Dept of Pharmacology	1	Cell analyzer
896	Dept of Pharmacology	1	Permanent Slides for various tissues
897	Dept of Pharmacology	1	Models for various organs
898	Dept of Pharmacology	1	Specimen for various organs and systems
899	Dept of Pharmacology	1	Skeleton and bones
900	Dept of Pharmacology	1	Muscle electrodes
901	Dept of Pharmacology	1	Lucas moist chamber

902	Dept of Pharmacology	1	Myographic lever
903	Dept of Pharmacology	1	Stimulator
904	Dept of Pharmacology	1	Centrifuge
905	Dept of Pharmacology	10	Sherrington's kymograph machine / polyrite
906	Dept of Pharmacology	10	Sherrington drum
907	Dept of Pharmacology	10	Perspex bath assembly (single unit)
908	Dept of Pharmacology	10	Aerators
909	Dept of Pharmacology	1	Software packages for experiment
910	Dept of Pharmacology	Adequate	Standard graph of various drug
911	Dept of Pharmacology	1	Actophotometer
912	Dept of Pharmacology	1	Rotarod
913	Dept of Pharmacology	1	Pole climbing apparatus
914	Dept of Pharmacology	1	Analgesiometer (eddy's hot plate and radiant heat methods)
915	Dept of Pharmacology	1	Convulsiometer
916	Dept of Pharmacology	1	Plethysmograph
917	Dept of Pharmacology	1	Digital pH meter
918	Dept of Pharmacology	1	Histamine chamber
919	Dept of Pharmacology	1	Metabolic cage
920	Dept of Pharmacology	10	Dissection tray & boards
921	Dept of Pharmacology	1	Stereotaxic apparatus
922	Dept of Pharmacology	1	Digital glucometer
923	Dept of Pharmacology	60	Folin- wu tubes
924	Dept of Pharmacology	10	Hemostatic artery forceps
925	Dept of Pharmacology	20	Levers , cannula
926	Dept of Pharmacology	20	Hypodermic syringes & needles Size 15,24,26G
927	Dept of Pharmacognosy	30	Compound Microscope
928	Dept of Pharmacognosy	30	Dissecting Microscope
929	Dept of Pharmacognosy	2	Projection Microscope
930	Dept of Pharmacognosy	1	Binocular Microscope
931	Dept of Pharmacognosy	1	Polarized Microscope
932	Dept of Pharmacognosy	2	Electronic Digital balance
933	Dept of Pharmacognosy	2	Autoclave
934	Dept of Pharmacognosy	2	Hot air oven
935	Dept of Pharmacognosy	1	Refrigerator

936	Dept of Pharmacognosy	1	Zone reader
937	Dept of Pharmacognosy	1	Digital pH Meter
938	Dept of Pharmacognosy	1	Colorimeter
939	Dept of Pharmacognosy	1	Sterility testing unit
940	Dept of Pharmacognosy	20	Camera lucida
941	Dept of Pharmacognosy	20	Eye piece micrometer
942	Dept of Pharmacognosy	20	Stage micrometer
943	Dept of Pharmacognosy	1	Muffle furnace
944	Dept of Pharmacognosy	1	Moisture balance
945	Dept of Pharmacognosy	4	Heating Mantles-Small
946	Dept of Pharmacognosy	2	Vacuum pump
947	Dept of Pharmacognosy	2	Micropipette single & Multi Channeled
948	Dept of Pharmacognosy	1	Micro Centrifuge
949	Dept of Pharmacognosy	4	Electric water bath
950	Dept of Pharmacognosy	4	Hot plate
951	Dept of Pharmacognosy	1	Microtome rotary
952	Dept of Pharmacognosy	2	Mixer grinder
953	Dept of Pharmacognosy	2	UV Cabinet
954	Dept of Pharmacognosy	1	Water Distillation unit
955	Dept of Pharmacognosy	1	Cutter Mill (Bark and seed grinder)
956	Dept of Pharmacognosy	Adequate	Medicinal Plant Chart
957	Dept of Pharmacognosy	Adequate	Models
958	Dept of Pharmacognosy	Adequate	Permanent Slide
959	Dept of Pharmacognosy	1	Sonicator
960	Dept of Pharmacognosy	1	Electrophoresis
961	Dept of Pharmacognosy	1	Fermentor
962	Dept of Pharmacognosy	1	Rotary Shaker
963	Dept of Pharmacy Practice	1	Autoclave sterilizer
964	Dept of Pharmacy Practice	1	Hot air oven
965	Dept of Pharmacy Practice	1	Membrane filter
966	Dept of Pharmacy Practice	1	Centrifuge
967	Dept of Pharmacy Practice	1	Filling Machine
968	Dept of Pharmacy Practice	1	Sealing Machine
969	Dept of Pharmacy Practice	1	Glucometer
970	Dept of Pharmacy Practice	Adequate	Sintered glass funnel with complete filtering assemble
971	Dept of Pharmacy Practice	Adequate	Small disposable membrane filter for IV

			admixture filtration
972	Dept of Pharmacy Practice	1	Vacuum pump
973	Dept of Pharmacy Practice	Adequate	Surgical dressing
974	Dept of Pharmacy Practice	1	pH meter
975	Dept of Pharmacy Practice	10	Blood Pressure Apparatus and stethoscope
976	Dept of Pharmacy Practice	10	Clinical thermometer

Lab pics of Department of Hotel Management

TRAINING KITCHEN





IN HOUSE RESTAURANT





FRONT OFFICE LAB



HOUSEKEEPING LAB



BAKERY LAB



Lab Pics of Computer Labs







Database Lab

Centre of Excellence - Big Data Analytics

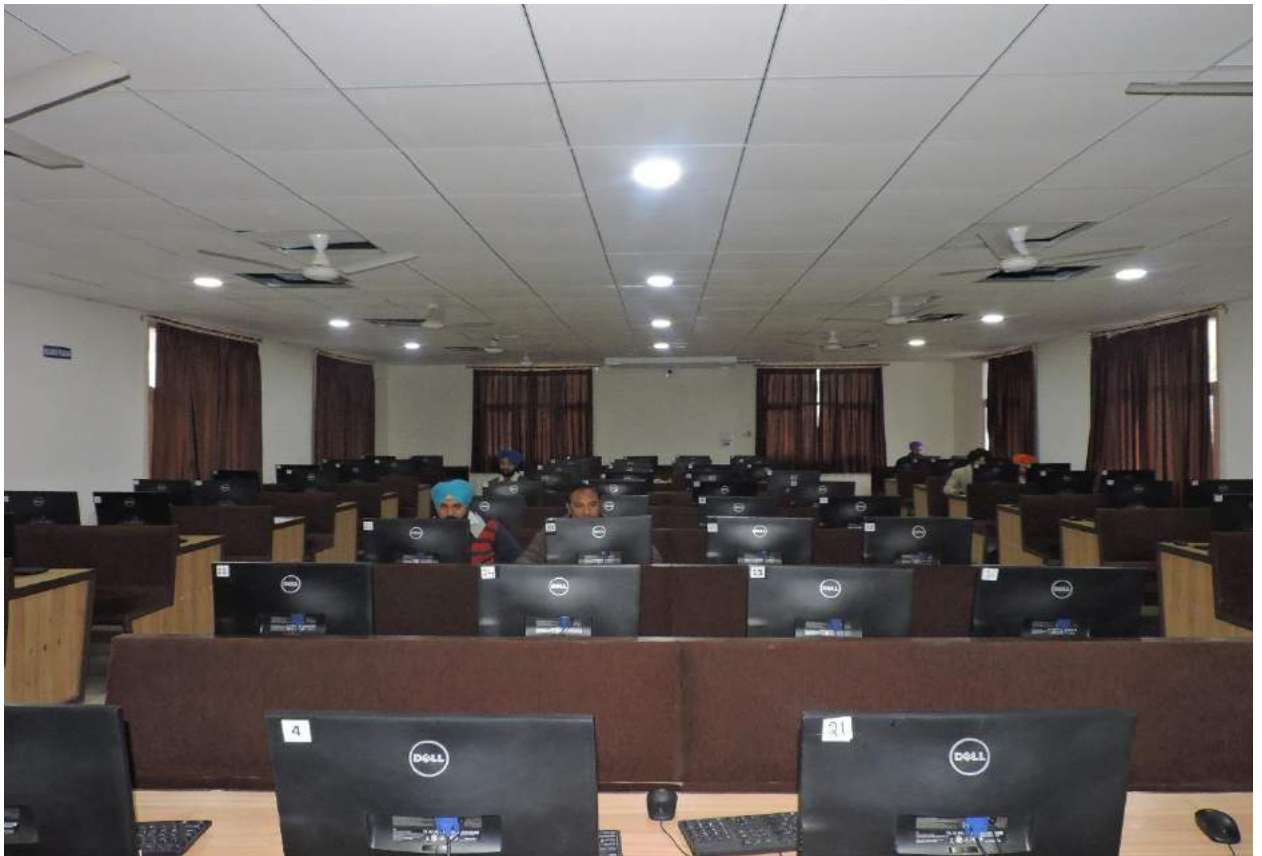


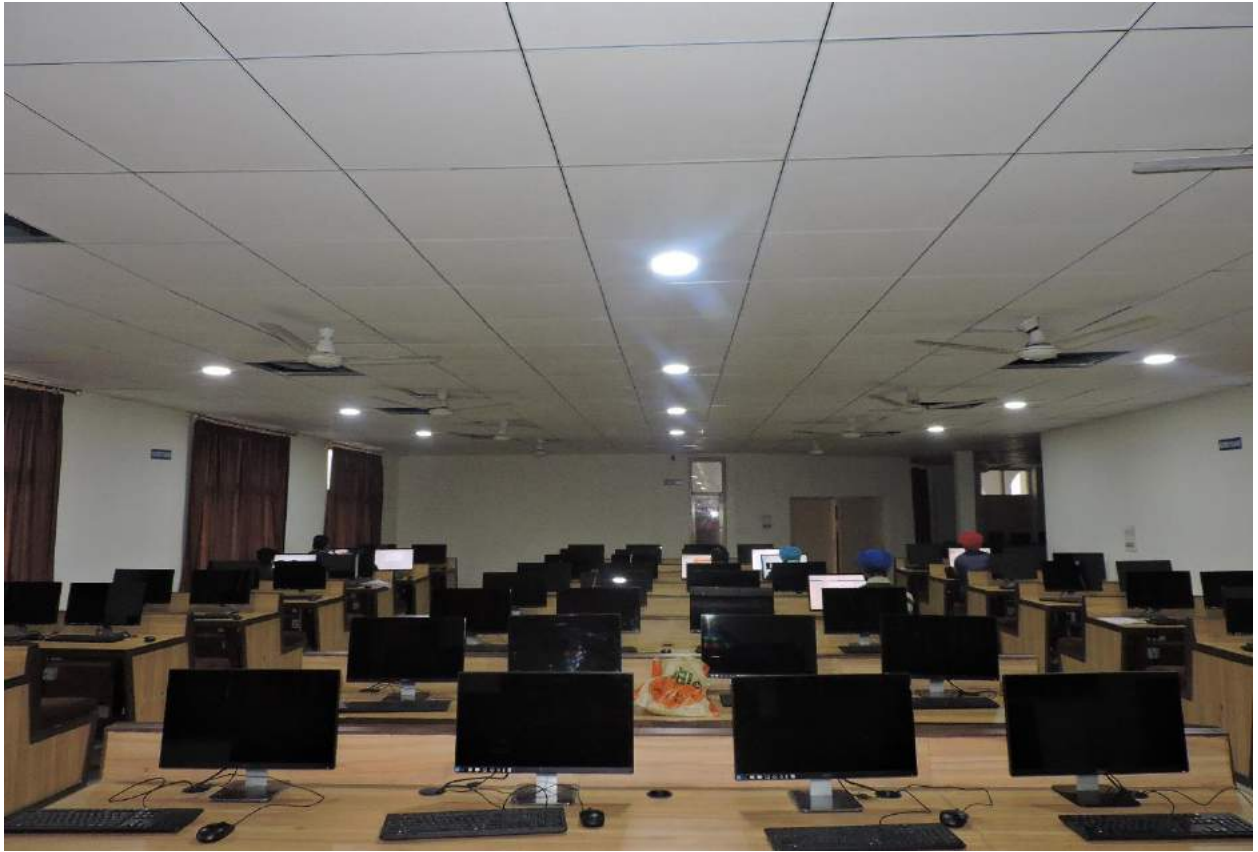
Computer Systems	Configuration	Software	Total Cost incurred
30	Thin Clients (30) Server: Intel Xeon, 16 GB RAM, 8 TB HDD	Linux, Hadoop 2.6.0 , jdk 1.8, Flume, Hbase, Sqoop, Spark	Rs. 25,16,300/-



Computer Systems	Configuration	Software	Total Cost incurred
28	M/B Lenovo, Processor G2020 2.90 GHz, RAM 2 GB DDR3, HDD 500 GB	Sedulity Operating System, Ethical Hacking tools	Rs. 9,90,990/-

Internet Lab Pics





LAB Pics of Department of Mechanical engineering







AMRITSAR
GROUP OF COLLEGES
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Workshop on Automobile mechanics & IC engine design





Labs of CE Department





Concrete Technology Lab



Surveying Lab



Geotechnical Engineering Lab



