

Lost of minimum Tools & Equipments for a batch of 30 students			
Programme Title : KGCE in Electronics Engineering		Notional Hours: 2880	
SI No	Name of the Tool & Equipment	Specification	Quantity
1	Screwdriver Set	Complete set in leather case	5 Nos
2	Line Tester	500V heavy duty	10 Nos
3	Combination Plier	150mm	5 Nos
4	Nose Plier	150mm	5 Nos
5	Side cutter	150mm	5 Nos
6	Wire Stripper		20 Nos
7	Soldering Iron	25W	20 Nos
8	Soldering Iron with changeable bits	15w	10 Nos
9	Tweezer	150mm	20 Nos
10	Hand Crimping Tool	7 in 1	5 No s
11	L .Allen Key set(Hexagonal set of)	1-12mm,Set of 24	5 Nos
12	Test Lamp		2 Nos
13	Lock Opener		5 Nos
14	Double Ended Spanner Set		2 Nos
15	Compass Box		2 Nos
16	Hand Drilling Machine		2 Nos
17	PCB Drilling Machine Table top		1 No
18	Connecting Screw Driver	10X100 mm	10 Nos
19	Blow lamp for Soldering		1 No
20	De soldering pump	40w	10 Nos
21	Flux pen		20 Nos
22	Glue gun		2 Nos
23	Precision Screw Driver Set	T5,T6,T7	5 Nos
24	IC Chip Extractor		5 Nos
25	Magnifying Lens with light	75 mm	2 Nos
26	Multipurpose Knife(folded stainless steel)	100mm	20 Nos
27	Ball peen Hammer	250gms	5 Nos
28	Adjustable Mini Hacksaw	150mm	5 Nos
29	Electrical Drilling machine portable		1 Nos
30	Flat Screw Driver with Rubber handle	200mm	10 Nos
31	Star Screw Driver with Rubber handle	200mm	10 Nos
32	First Aid Kit		2 Nos
33	Digital multi meter(Auto ranging)	DC:1000 V,AC 1000 V,Ohm	10 No
34	LCR meter		5 No
35	Universal IC Tester		5 No
36	Regulated power supply	0-30 Volt 2 Amp	10No
37	DSO	30MHz	10 No
38	Function generator		5 No
39	Digital IC Trainer Kit		5 No
40	Helping Hand For Soldering		5No
41	Soldering and De soldering Station		5 No

Lost of minimum Tools & Equipments for a batch of 30 students

Programme Title : KGCE in Electronics & Communication Engineering

Notional Hours: 2880

SI No	Name of the Tool & Equipment	Specification	Quantity
42	Power Electronics Trainer Kit with FET,UJT,MOSFET,IGFET,SCR,DIAC,TRIAC circuits		4 Nos
43	SMD Soldering and De soldering Station		2 Nos
44	Solar Training Kit	With built in Meters for DC V, DC A, and AC A, AC Vwith BS10 Terminal for making the Connection, Single/Dual axis tracking system, Charge controller PWM based MPPT	1 NO.
45	Battery Charger	0 -6-9-12-24-48 V 30 Amps	1 No
46	Clamp Meter	0-10 A	2 Nos
47	SMPS	Different types	4 Nos
48	UPS Trainer Kit	PWM Switching, Test points to measure voltages of different sections	1 No
49	UPS	3 KVA 30 Min Backup	1 No
50	LCD TV/ LED TV Trainer Kit	21" full HD LCD/LED Colour with Block diagram with test points	1 No
51	Home Theater system		1 No
52	LED Lighting System	Measurement of V/I/P, power factor	2 Nos
53	DTH technician Kit	Full set	16 Nos.
54	DTH Set top box	Tata/Airtel/Dish/Sun	2 nos.
55	DTH Antenna	Tata/Airtel/Dish/Sun	2 nos.
56	Television	24/32/40 Inch	2 nos.
57	Digital Cable TV Technican Kit	300 mm	16 Nos.
58	Cable Analyser	Coaxial Cable	2 Nos.
59	Optical Power Meter	Handheld	2 Nos.
60	OTDR	Handheld	2 Nos.
61	Optical Fiber Splicing Machine	FTTH/Ribbon/Single	2 Nos.

Common facility for all programmes in an Institution			
CLASS ROOM FURNITURE			
1	Instructors table		1 no.
2	Instructors chair		1 no.
3	Students chair with writing pads/bench-desk arrangement		for 30 students
4	Almirah		1 no
5	Black/White board	1200 x 900 mm	1 no.
6	Instructors Laptop with internet facility	Windows with MS office package	1 no.
7	LCD Projector		1 no
IT LAB *			
1	Table & Chair for Instructors		Sufficient
3	Students chair with writing pads/bench-desk arrangement		for 30 students
4	Steel almarah / cup board		1 no.
5	Black/White board	1200 x 900 mm	1 no.
6	Desktop with internet facility	Windows with MS office package (Latest configuration)	10 nos.
7	LCD Projector		1 no
8	Printer	A4 Size	1 no.
9	Computer table		Sufficient number for arranging 10 computers

* Common for up to 5 programmes or 5 batches in an Institution. For Institutions with more than 5 programmes or 5 batches there shall be proportionate increase in number of computers and related furniture.