

**College of Engineering, Chengannur**

**List of consumables for Electronics Department**

Sl. No.	Item-Specification	Total
	<b>Resistor(1/4W)</b>	
1	1Ω	50
2	1.2 Ω	50
3	1.8 Ω	50
4	2.2 Ω	50
5	2.4 Ω	50
6	2.7 Ω	50
7	3.3 Ω	50
8	3.9 Ω	50
9	4.7 Ω	50
10	5.6 Ω	50
11	6.8 Ω	50
12	7.5 Ω	50
13	12 Ω	50
14	15 Ω	50
15	18 Ω	50
16	20 Ω	100
17	22 Ω	100
18	24 Ω	100
19	27 Ω	100
20	33 Ω	100
21	47 Ω	100
22	56 Ω	100
23	68 Ω	100
24	72 Ω	100
25	82 Ω	100
26	100 Ω	100
27	120 Ω	100
28	150 Ω	100
29	180 Ω	100
30	220 Ω	200
31	330 Ω	100

32	420 $\Omega$	100
33	470 $\Omega$	600
34	560 $\Omega$	100
35	620 $\Omega$	100
36	680 $\Omega$	100
37	750 $\Omega$	100
38	820 $\Omega$	100
39	910 $\Omega$	100
40	1K $\Omega$	400
41	1.2K $\Omega$	400
42	1.5K $\Omega$	400
43	1.8K $\Omega$	400
44	2.2K $\Omega$	400
45	2.4K $\Omega$	400
46	2.7K $\Omega$	400
47	3.3K $\Omega$	400
48	3.9K $\Omega$	400
49	4.7K $\Omega$	400
50	5.6 K $\Omega$	400
51	6.8 K $\Omega$	400
52	7.5 K $\Omega$	400
53	8.2 K $\Omega$	400
54	9.1 K $\Omega$	400
55	10 K $\Omega$	400
56	12 K $\Omega$	400
57	15 K $\Omega$	400
58	18 K $\Omega$	400
59	20 K $\Omega$	400
60	22 K $\Omega$	400
61	24 K $\Omega$	400
62	27 K $\Omega$	400
63	33 K $\Omega$	400
64	39 K $\Omega$	400
65	42 K $\Omega$	400

66	47 K $\Omega$	400
67	56 K $\Omega$	400
68	68 K $\Omega$	400
69	75 K $\Omega$	400
70	82 K $\Omega$	400
71	100 K $\Omega$	400
72	120K $\Omega$	400
73	150 K $\Omega$	400
74	180 K $\Omega$	400
75	220 K $\Omega$	400
76	270 K $\Omega$	400
77	330 K $\Omega$	400
78	390 K $\Omega$	400
79	470 K $\Omega$	400
80	560 K $\Omega$	400
81	620 K $\Omega$	400
82	680 K $\Omega$	400
83	720 K $\Omega$	400
84	780 K $\Omega$	400
85	820 K $\Omega$	400
86	910 K $\Omega$	400
87	1M $\Omega$	300
88	1.5M	300
89	1.2M $\Omega$	200
90	4.7M $\Omega$	200
91	10M $\Omega$	300
	<b>Diodes</b>	
92	IN4007	1100
93	BY127	150
94	OA79	350
	<b>LED</b>	
95	Red	150
96	Green	125
97	Yellow	75

98	White	50
	<b>Transistors</b>	
99	BC107	350
100	BC547	150
101	BC557	150
102	BF194	150
103	BF495	150
104	CL/SL100	350
105	CK/SK100	250
106	2N 3055	5
107	2N 2955	5
	<b>FET</b>	
108	BFW10	60
109	BFW11	35
110	MOSFET (IRF224M)	35
	<b>Digital IC</b>	
111	74LS00	50
112	74LS02	50
113	74LS04	50
114	74LS06	75
115	74LS07	75
116	74LS08	50
117	74LS10	50
118	74LS20	50
119	74LS32	50
120	74LS73	50
121	74LS74	50
122	74LS76	50
123	74LS83	50
124	74LS86	50
125	74LS90	100
126	74LS92	50
127	74LS93	50
128	74LS153	100

129	74LS155	50
130	74LS192	50
131	74LS148	50
132	74LS245	50
133	74HC00	50
134	74HC32	50
135	$\mu$ A741	800
136	LM35	20
137	LM723	160
138	LM324	150
139	NE555	450
140	NE565	110
141	NE566	20
142	DAC0800	50
143	ADC0804	50
144	8085	5
145	7805	20
146	7806	20
147	7809	20
148	7812	20
149	7815	20
150	7905	20
151	7906	20
152	7912	20
153	7915	20
	<b>Potentiometer</b>	
154	4.7K (1W)	25
155	2.2K(1W)	25
156	1K(1W)	25
157	2K(1W)	25
158	5K(1W)	25
159	10K(1W)	25
160	22K(1W)	25
161	47K(1W)	25

162	500K(1W)	25
163	1M(1W)	25
	<b>Miscellaneous</b>	
164	Insulation tape	40
165	Single stranded wire (Coil)	25
166	Multi stranded wire(Coil)	5
167	Cleaning brush	4
168	Glass cartridge Fuse (500mA)	225
169	Glass cartridge Fuse (1A small)	125
170	Glass cartridge Fuse (200mA small)	25
171	Glass cartridge Fuse (2A small)	10
172	CRO Probe (BNC to crocodile)	20
173	L298 with heatsink	5
174	LCD 20X4 (parallel)	3
175	LCD 16X2(serial)	5
176	Crystal 11.0592MHz	10
177	Crystal 20MHz	10
178	Membrane Key board (16 keys)	3
179	MOC 3040 (opto- driver)	10
180	MCT 2E (opto coupler)	10
181	TSOP 1836	5
182	7824 (To 3 package	3
183	Heat sink paste(Bottle)	5
184	Copper clad sheet (Glass epoxy)	10
185	Ferric chloride(Kg)	5
	<b>Battery</b>	
186	UM-2(1.5V)	50
187	UM-3(1.5V)AA	50
188	1.5V(AAA)	50
189	9VPP3	100
190	9V battery pack(Ni Cd 2000mah)	5
191	ULN 2803 (line driver0	10
192	UILN 2003A	10
193	Servo motor (MG995, bitech)	6

194	MAX 232	10
195	Power LED (white 1W) with heat sink	5
196	Power LED (white 5W) with heat sink	2
197	Smoke sensor M02	4
198	LM 317	10
199	LM337	10
200	7805( TO 3 Package)	3
201	PIC18F 458A	5
202	PIC18F 452A	5
203	PIC18F 4550A	5
204	PIC 16F 877A	5
205	Atmega 128	5
206	89C51	5
207	Atmel STK 100	5
	<b>Relays</b>	
208	6V DPDT, 230V 6A Contacts	5
209	9V DPDT, 230V 6A Contacts	5
210	5V DPDT 230 V,6A Contacts	5
211	12V DPDT, 230V 6A Contacts	5
212	RAM-1GB x 2 DDR2 667MHz or above , Paired dual channel compatible (preferably Hynix)	5
213	RAM-1GB DDR2 667MHz or above , (preferably Hynix)	10