

GOVERNMENT ENGINEERING COLLEGE, PALANPUR (061)

DESIGN LABORATORY

LIST OF EQUIPMENTS

SR.NO	DESCIRPTION	QTY
1	CCTV Wired System - 2B2D-HD2WMK	2
2	CCTV Wireless System camera	2
3	Compact Thermal Imaging System	1
4	Thermal Camera for Product Inspection - TG165	1
5	Wall Adapter Power Supply - 5VDC 2A (Barrel Jack)	1
6	Adaptor 12V 2A	1
7	DC power supply - PWS2185	2
8	Digital Multi-meter - 3.5 Digit Portable Digital Multimeter	2
9	Tektronix TBS1064, 60 MHz, 4 Channel, Digital Oscilloscope, 1 GS/s Sampling	1
10	Intelligent Power Module for DC-DC Convertor	2
11	Intelligent Power Module for Motor Control	1
12	STEVAl-IHM028V2 - Evaluation Board, 3 Phase Motor, VIPER26, Power Management	2
13	EECF5R5H104 - Supercapacitor, EDLC, 0.1 F, 5.5 V, Radial Leaded, F Series, +80%, -20%	10
14	EECF5R5U105 - Supercapacitor, EDLC, 1 F, 5.5 V, Radial Leaded, NF Series, +80%, -20%	10
15	EECSOHD334H - Supercapacitor, EDLC, 0.33 F, 5.5 V, Radial Leaded, SD Series, ± 30%	10
16	EECHZOE335 - Supercapacitor, EDLC, 3.3 F, 2.5 V, Radial Leaded, HZ Series, +40%, -20%	10
17	EECSOHD224H- Supercapacitor, EDLC, 0.22 F, 5.5 V, Radial Leaded, SD Series, +80%, -20%	10
18	Trainer Kit with Schneider PLC TM221CE24T w/ programming cable	2
19	TP-Link TL-WR841N 300Mbps Wireless-N Router	2
20	Signal Processing Board - TMDSDSK6713 - DSP Starter Kit	3
21	BIPOLAR STEPPER MOTOR 2.8A, 24-42VDC	2
22	DC Motor 24V - 100W	2
23	PMAC Motor 1HP	2
24	BLDC Motor - 58 F- 1Hp	2
25	EAWOJ-B24-AE0128L ENCODER, ROTARY, 128POS, 8 BIT	2
26	61C22-01-04-02 - Incremental Rotary Encoder, Optical, With Pushbutton, 16.6rpm, 22 Detents, 5 VDC, Quadrature	2
27	NI 9381, 0-5V, 8-Ch AI, 8-Ch AO, 4-Ch LVTTTL DIO, C Series Module	1
28	NI 9923 Front-mount terminal block for 37-pin D-Sub Modules	2
29	NI 9211 4-Ch $\hat{A}\pm 80$ mV, 14 S/s, 24-Bit TC and Diff AI	1
30	CRIO-9932 Backshell with 10-Pos Connector Block	1
31	NI 9403 with DSUB 32 Ch, TTL Digital Input/Output Module	1
32	CRIO-9030 CompactRIO Controller, 1.33 GHzDual-Core, 4-Slot, Kintex-7 70T FPGA, -20 A°C to55 \hat{A} °C	1
33	E1 Ethernet Cable. Twisted-pair, 1M	1
34	NI PS-10 Desktop Power Supply 24 VDC, 5A, 100-120/200-240 VAC	1
35	NI 9981, 4-pos Gold Power Supply Plugs (Qty 5)	2
36	NI Standard Service Program for Hardware	1
37	Analog Discovery 2	3
38	Arduino Starter Kit	2
39	Bluetooth Transceiver Module with TTL Outputs-HC05	20
40	Camera Assembly Kit	2
41	UART GPS Module, u-blox NEO-6M onboard	10
42	Intel® Edison and Arduino Breakout Kit	5
43	Intel Galileo Gen 2 Development Board	2
44	Intel Genuino 101	3
45	LittleBits SMART HOME KIT	2
46	ChromeBox MiniPC	5
47	RQ-HUNO Robotic Humanoid Kit	3
48	Raspberry PI - 3(Kit)	2
49	SANYO AM-1417 Solar Cell	10
50	KXOB22-01X8F Solar Cell	10
51	Black + Decker CD121K50 12-Volt Cordless Drill/Driver	1
52	Makita MLT100	1
53	Single Lead Heart Rate Monitor - AD8232 - Kit	5

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54	Grove-Finger-clip Heart Rate Sensor with Shell	5
55	NTC Thermistor - 10K - MA300TA103C	5
56	ADS1292R ECG/RESPIRATION BREAKOUT KIT	5
57	MQ-3 Alcohol Ethanol Gas Sensor Module	5
58	MyoWare Muscle Sensor	5
59	Three Axis Accelerometer and Gyroscope - MPU 6050 breakout board	5
60	Adafruit BMP280 12C or SPI Barometric Pressure & Altitude Sensor	5
61	SparkFun Humidity and Temperature Sensor Breakout - SHT 15	5
62	MPL3115A2 - 12C Barometric Pressure/Altitude/Temperature Sensor	5
63	SparkFun Luminosity Sensor Breakout - TSL2561	5
64	ams IAQ-COREC- VOC	5
65	Grove - Multichannel Gas Sensor	5
66	PM2.5 Sensor Module - Laser Sensing	5
67	Digital Infrared Temperature Sensor MLX90615 GY-90615 Module	5
68	Sharp GP2YOA21YKOF Analog Distance Sensor 10-80cm	5
69	Optomax Digital Liquid Level Sensor - LLC200D3SH-LLPK1	5
70	Liquid Flow Meter - Plastic 1/2" NPS Threaded	5
71	Load Cell - 120kg - RSL601AC	5
72	Weighing Sensor Module - HX711	5
73	Triple Axis Magnetometer Breakout MAG3110	5
74	LM393 Tilt Sensor Module	5
75	pH Kit	5
76	HS110 Hygrometer Humidity Sensitivity sensor	5
77	Vibration Sensor Module - SW-420	5
78	DJI GO Drone	2