

Sino-Pak Mechatronics Technology, CTE (2+1)

(List of M&E-1st 2-Years)

Sr. No.	Item Name	Specifications	Quantity as per Curriculum	Quantity Available	Quantity Required
Electronics & Sensor Lab					
1	Digital Oscilloscope	40 MHz	10	10	0
2	Function Generator 5 MHz	Up to 5 MHz	15	15	0
3	Dual DC Power Supply	0 to 30V, +/-5V, 3A	15	15	0
4	Digital Multimeter	Portable	25	25	0
5	Semiconductor Training Kits	For Diode/BJTs/FETs/SCR/Diac/Triac Practicals	10	0	10
6	Meters Trainer	Various Meters Mounted on a Single Trainer	10	10	0
7	DC Trainer		1	1	0
8	Motor /Generator Trainer	For Various Motors	15	15	0
9	Sensors Training Kit	For Photo ,Proximity, Inductive & Capacitive , Limit Switches , Micro Switches	5	0	5
10	Comprehensive Tool Kits (Proskit)	For Electronics /Computer Technicians	2	2	0
11	Multimedia Projector with 02 PCs	Latest Specifications	1	0	1
Digital and Microprocessor Lab					
1	Digital Oscilloscope	40 MHz	8	8	0
2	Function Generator 5 MHz	Up to 10 MHz	15	15	0
3	Dual DC Power Supply	0 to 30V, +/-5V, 3A	10	10	0
4	Digital Multimeter	Portable	25	25	0

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5	Digital Electronics Trainer	With Various Modules	10	25	0
6	Comprehensive Tool Kits (Proskit)	For Electronics /Computer Technicians	2	2	0
7	Computers	(Specifications as per Notification No. TEVTA/MIS/150 dated 08-08-2018)	23	23	0
8	Multimedia Projector	(Specifications as per Notification No. TEVTA/MIS/150 dated 08-08-2018)	1	1	0
WorkShop Lab					
1	Lathe machine		5	11	0
2	Welding Plant Station		2	4	0
3	Bench Wise		20	40	0
4	Metal Work Table		6	11	0
					Sub Total
Automation Lab					
1	Motor Control Trainer	AC Speed Control & Servo & Stepper Control (01 each)	3	15	0
2	Comprehensive Tool Kits (Proskit)	For Electronics /Computer Technicians	1	1	0
3	Computers	Latest Specifications	2	0	2
4	Rockwell hardness testing machine		1	0	1
5	Impact testing machine		1	0	1
6	Multimedia Projector	Latest Specifications	1	0	1

M&E list for Drawing		
Sr.No	Description	Quantity
1	Drawing Hall	1

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Sr. No.	Item Name	Specifications	Quantity as per Curriculum	Quantity Available	Quantity Required
	2	Drawing Table	50		
	3	Stool	50		

Note: Consumeable Material and small drawing tools are brought by students at their own.

M&E list for Computer related subject (s)		
Sr.No	Description	Lab. Spec/ Qty.
1	Working System	25
2	Processor	Core 2 duo 3.16GHz
3	RAM	02 GB
4	Hard Disk Drive	140 GB
5	Air Conditioners	3
6	UPS	Yes
7	Generator	Yes
8	Internet	04Mbps
9	Projector	No
10	Projector Wall	No
11	Audio System	No
12	Video System	No
13	Printer	Yes