Madanapalle Institute of Technology and Science

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

LAB NAME : DSP		
SL.No	Equipment Name	Equipment Image
1	MATLAB Software 7.5 v	
2	HP Compaq DX 2480 Desktops	
3	P4 2.40Ghz Gigabyte 2GB 80 GB	
4	DSP Kits (TMS320C6713)	
5	8051 Development Boards	
6	Pic development Boards	
7	HP Desk Jet 3940inkjet printer	
8	Hp laser jet 1020+	
9	Samsung ML 2850 Printer	

Madanapalle Institute of Technology and Science

LAB NAME : ECAD		
SL.No.	**Equipment Name**	**Equipment Image**
1	Intel Core i3 Processor 3.30 Ghz, HCL Mother Board, Intel Chipset, 2 GB RAM, 500 GB HDD WD, 10/100/1000 NIC, 18.5 " TFT LED Monitor	
1	HP Compaq DX 2480 Desktops	
3	Hardware Trainer Kits: Two stage RC Coupled Amplifier Class A, Class AB Power Amplifier Class B, Push Pul Amplifier Class Complimentary symmetry Class C Power Amplifier Class C Power Tuned voltage Amplifier Series Regulated power supply Shunt Regulated power supply	
4	AF o/p power meter	
5	Multisim:Edn version 2001,spice based mix mode circuit simulation software having virtual instruments facility 5station lab(with permanent license with 2 sets of manuals)	
6	Mentor software mentor Graphics Education programme 2 (HEP-2) Design Verification & Testing Tools	
7	VLSI Universal Trainer Kit batch : Primary Batch	
8	Atlys Spartan -6 FPGA Development Board	

9	Spartan 3E-1600 Development Board	
10	MultiSim V12 Trident tech labs Pvt. Ltd New Delhi.	
11	Xilinx VIVADO System Edition Core EL Technologies, Hyderabad.	
12	PS-TYRO –SPARTAN -6	
13	PS-EVB SPARTAN 3EDK	

Madanapalle Institute of Technology and Science

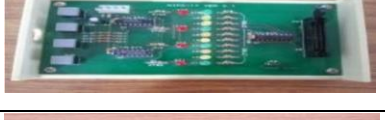| SL.No.	Equipment Name	Equipment Image
	LAB NAME : IC APPLICATIONS	
1	Regulated Power Supply	
2	Digital Storage Oscilloscopes	
3	Function Generators	
4	Flip-Flop Trainer Kits	
5	Counter Trainer Kits	
6	BCD to 7 Segment Decoder 1 driver Trainer	
7	Decade Counter using 7490	
8	Basic Logic Gates Trainers	
9	Cathode Ray Oscilloscopes	
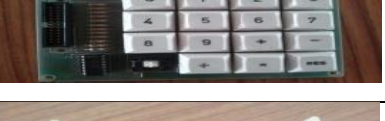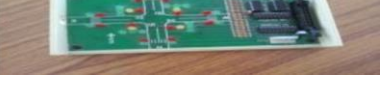
10	Semiconductor Devices & Circuits Trainer Kits	
11	Single Pulse Generator	
12	Digital Multimeters	
13	0-150 µA meter	

Madanapalle Institute of Technology and Science

SL.No	Equipment Name	Equipment Image
LAB NAME : EDC		
1	Cathode Ray Oscilloscope	
2	Function Generator	
3	Digital Storage Oscilloscopes	
4	Semiconductor Devices & Circuits Trainer Kits	
5	Auto LCR Tester	
6	Regulated Power Supply	
7	Ammters & Voltmeter	
8	Digital Multimeters	

Madanapalle Institute of Technology and Science
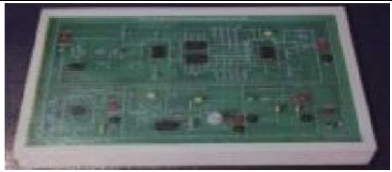
SL.No.	Equipment Name	Equipment Image
	LAB NAME : MPMC	
1	8085 Trainer kits with SMPS	
2	8086 Add on cards	
3	8051 Add on cards	
4	8085 Add on kits	
5	Microprocessor -8086	
6	Micro Controller- 8051	
7	30MHz Dual trace CRO's	
8	Elevator	
9	16 channel 8-bit ADC	
10	Dual DAC	
10	EPROM Programmer kit	
11	Key board interface kits	
12	Traffic light controller kit	
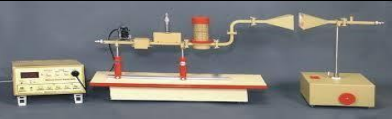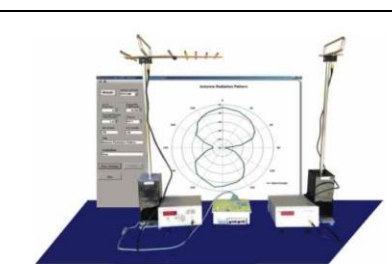
13	UV Eraser kit	
14	Stepper motor interface kit	
15	Real time clock interface kit	
16	7- Segment interface kit	
17	FDC interface board (VBMB012)	
18	Floppy drive 1.44MB	
19	8251 USART I/F	
20	Keyboard display interface(8279)	
21	8259 interrupt controller	
22	Temperature controller interface	
23	AN-1 40pin extension board	
24	Assembly language programming(ALP)	
25	Intel Core i3 Processor 3.30 Ghz, HCL Mother Board, Intel Chipset, 2 GB RAM, 500 GB HDD WD, 10/100/1000 NIC, 18.5 " TFT LED Monitor	

Madanapalle Institute of Technology and Science

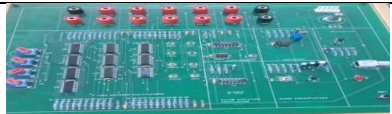| LAB NAME : ADC		
SL.No.	Equipment Name	Equipment Image
1	S.D.C Trainer kit	
2	Dual trace oscilloscope	
3	Analog kits	
4	Digital kits	
5	Function Generator	
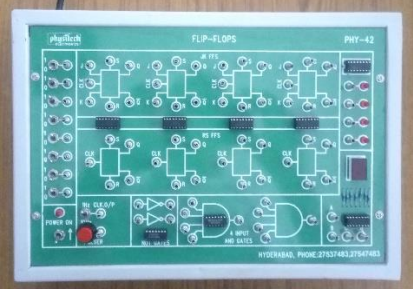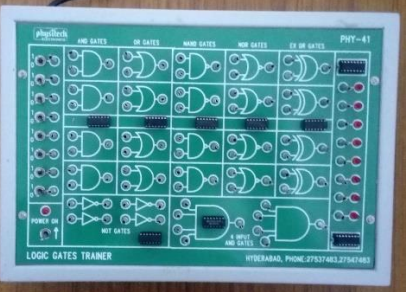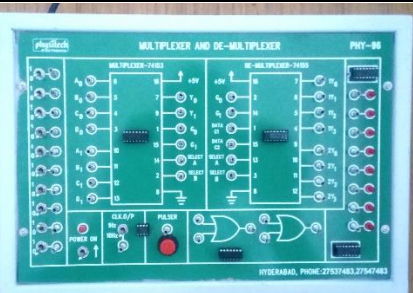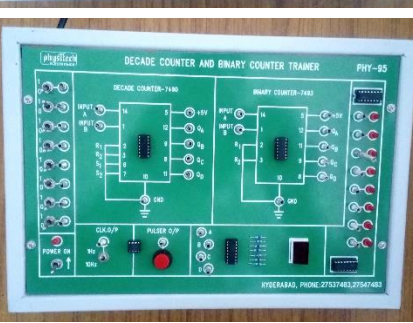
Madanapalle Institute of Technology and Science

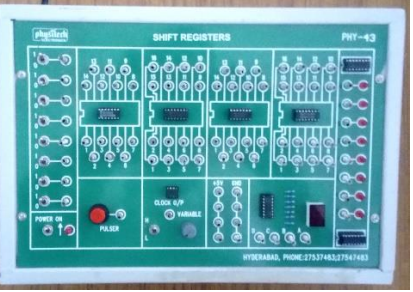| LAB NAME : MOC		
SL.No.	**Equipment Name**	**Equipment Image**
1	Micro wave klystron bench setups	
2	Pyramidal horn antenna setup	
3	Gunn power supply setup	
4	Fiber Optics Training Lab	
5	Fiber Link A	
6	Fiber Link E	
7	Fiber Link D	
8	Fiber Optic Analog Link AL01	
9	Fiber Optic Digital Link DL01	
10	CROs	
11	Antenna trainer kit	

Madanapalle Institute of Technology and Science

LAB NAME : IC APPLICATIONS		
SL.No.	Equipment Name	Equipment Image
1	Regulated Power Supply	
2	Digital Storage Oscilloscopes	
3	Function Generators	
4	D/A Converters	
5	A/D Converters	
6	Linear IC Trainer	
7	Semiconductor Devices & Circuits Trainer Kits	
8	Analog/Digital IC Tester	
9	Digital Multimeters	

10	Analog system Lab Kit PRO	
11	Flip Flops	
12	Shift Registers	
13	Logic Gates Trainer	
14	Multiplexer and De multiplexer	
15	Decade Counter and Binary Counter Trainer	

Madanapalle Institute of Technology and Science

SL.No.	Equipment Name	Equipment Image
**LAB NAME : PG**		
1	HP Compaq DX 2480 Desktops	
2	XILINX foundation ISE series software, primary and additional user license(front end and back end)	
3	SPARTAN-11 development kit with downloading cable and piggy back system	
4	COOL RUNNER design development board	
5	CPLD development kit with XILINX XC 9500 CPLD device and downloading cable	
6	Logitech quick cam express	
7	Altera university Training kit-circuit board cable, CDs and manual, Altera design software for PCs and books	