## MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE <u>DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING</u>

	Lab Name: Control Systems And Simulation Lab				
S. No.	Equipment Name	Quantity	Equipment Image		
1	Transfer Function of DC Motor along with motor set	1			
2	DC Servo motor Controller	1	The state of the s		
3	Process Control Simulator	2	TOCKED COUNTY, MINA, ACE, TEXTS		
4	Simulation of Transfer Function using Op-Amp Kit	2			
5	Lead-Lag Compensation	1	CLOC 1-2 HETRODIX GISTEM [VILLES]		
6	Pulse Counting using DC motor	1			

7	Temperature Controller using PID	2	TO A CONTINUE CONTINUES USED FOR THE SECOND
8	Magnetic amplifier	1	Characteristics of Property Engine
9	Basic PLC trainer kit with PC, trainer kit, traffic light controller, temperature controller, water level and DOL	1	
10	Synchro transmitter receiver kit	2	
11	AC servo motor	1	Characteristics of AC Servo Motor
12	Regulated Power Supply unit (0-30)V	1	
13	Cathode Ray Oscilloscope 20 MHz	4	CLUCK CLUCK

14	Time Response of Second order System	1	
15	Storage Oscilloscope	1	
	Total Equipment in the lab	22	



O N	Lab Name: Electrical Circuits and Simulation Lab				
S. No.	Equipment Name	Quantity	Equipment Image		
1	Bread Boards	15	PLEASE OF THE PARTY OF THE PART		
2	Function genertors	11			
3	Logic gates	6			
4	Decade Resistance boxes	3			
5	Capacitance boxes	3			
6	Inductance boxes	3			
7	Regulated Power Supply Units	10	170007		
8	Cathode Ray Oscilloscopes	2	TO T		
9	Servo Stabilizer 10KVA	1			

10	Three Phase Auto transformer	1	
11	Single phase transformer-2KVA	1	
	Total Equipment in the lab	56	



	Lab Name: Electrical Measurements Lab				
S. No.	Equipment Name	Quantity	Equipment Image		
1	Transformer oil testing kit	1	Sand secure 1(12)		
2	Schering bridge	3			
3	Anderson bridge	3			
4	Kelvin double bridge	3			
5	Single phase power factor meter	3			
6	Crompton DC Potentiometer	2			
7	Phase shifting transformer with stepless control	2			
8	Three phase auto transformer	1			

9	Single phase inductive load	1	
10	Three phase inductive load	1	
11	Three phase capacitive load	1	COPPLETITIVE COACH-PRICESSIVE)
12	Photo optical bench	1	
13	Strain guage	1	STRAN MANUSCHIEFT TRANSF
14	Servo stabilizer	1	To Mark 1920.
15	Voltage ratio box	4	C. C
16	Fire extinguisher	1	

17	Single phase auto transformer	4	
	Total Equipment in the lab	23	



	Lab Name: ELECTRICAL MACHINES LAB				
S. No.	Equipment Name	Quantity	Equipment Image		
1	DC Shunt Motor-DC Shunt Generator Set	3	PPPE OFFICE OF THE PPPE OF THE		
2	DC Shunt Motor-DC compound Generator Set	1			
3	3HP DC Series motor-DC Series Generator Set	1			
4	DC Shunt Motor with loading arrangement	3			
5	DC Compound Motor with loading arrangement	1			
6	DC Shunt Motor-DC Series Generator set	2			
7	1-Ø Induction motor, 1HP with loading arrangement	1			

8	3-Ø squirrel cage Induction motor with loading arrangement	2	
9	3-Ø slip ring Induction motor with loading arrangement	1	
10	DC Shunt Motor3.7KW - 3-Ø Alternator 3.5KVA set with 3-Point starter	2	
11	DC Shunt Motor3.7KW - 3- Ø Alternator 3.5KVA set with 3-Point starter cylindrical type	1	
12	1-Ø Transformer Closed Type 2KVA	4	PRIMARY 230 V SECONOMISM
13	1- Ø Transformer open Type 2KVA	2	
14	1- Ø transformers 2KVA with 50%,86.6% tapings	2	TPST  OTOR  OX 335 SEC DOTOR  2 XVA 13 STEP DOTOR STANSFORMER  ATOR  Y  LY  B  ATOR

4 =	4.64.4	1 4	
15	1- Ø Autotransformers	4	
16	Booster Transformer 230v,50A	1	
17	3-Ø Autotransformers	5	
18	1- Ø Resistive load 5A	2	
19	3-Ø/1.5w Resistive load (6steps)	1	
20	Digital Contact Type Tachometers	15	W COUNTY TATOO . SOURCE COUNTY TATOO
21	Tachometers Analog Type	3	

23 Digital Multi Meters 5  24 Tong tester(Clamp meter) 1  25 Stop watch 1  26 Fire Extinguishers DCP & CO2 4  Total Equipment in the lab 69	22	Energy Meter(5-10A,240V)	1	
24 Tong tester(Clamp meter) 1  25 Stop watch 1  26 Fire Extinguishers DCP & CO2 4				
25 Stop watch  26 Fire Extinguishers DCP & CO2 4	23	Digital Multi Meters	5	
25 Stop watch  26 Fire Extinguishers DCP & CO2 4				TOTAL COMMUNICATION OF THE PARTY OF THE PART
26 Fire Extinguishers DCP & CO2 4	24	Tong tester(Clamp meter)	1	
FASE	25	Stop watch	1	RACE STOWATCH STOWATCH
Total Equipment in the lab 69	26	Fire Extinguishers DCP & CO2	4	
		Total Equipment in the lab	69	





	Lab Name: Power Electronics & Simulation Lab						
S. No.	<b>Equipment Name</b>	Quantity	Equipment Image				
1	1 – Ø Ac Voltage Controller	2					
2	Forced Commutation Circuits Unit	2	The state of the s				
3	Single phase Fully controlled Bridge converter						
4	Dc Jones Chopper	2	OC Jones Chem				
5	1 – Ø Cyclo Converter	2					
6	1 – Ø Series Inverter	1					
7	1 – Ø Half Converter	1	and the second s				
8	3 – Ø Half Controlled Bridge Converter	2					
9	1 – Ø Dual Converter	1					
10	1 – Ø Parallel Inverter	2					

11	Stabilizer	1	The state of the s
	Total Equipment in the lab	18	



Lab Name: SIMULATION LAB						
S. No.	Equipment Name	Quantity	Equipment Image			
1	HCL INFINITI A380 PRO Processor: Intel Core i3-3220 3rd generation, 3.3GHz Chipset: Intel H61 RAM: 2 GB HDD: 500 GB Monitor: 18.5" TFT NIC: 10/100/1000 Mbps	30				
2	Fire Extinguisher	1				

