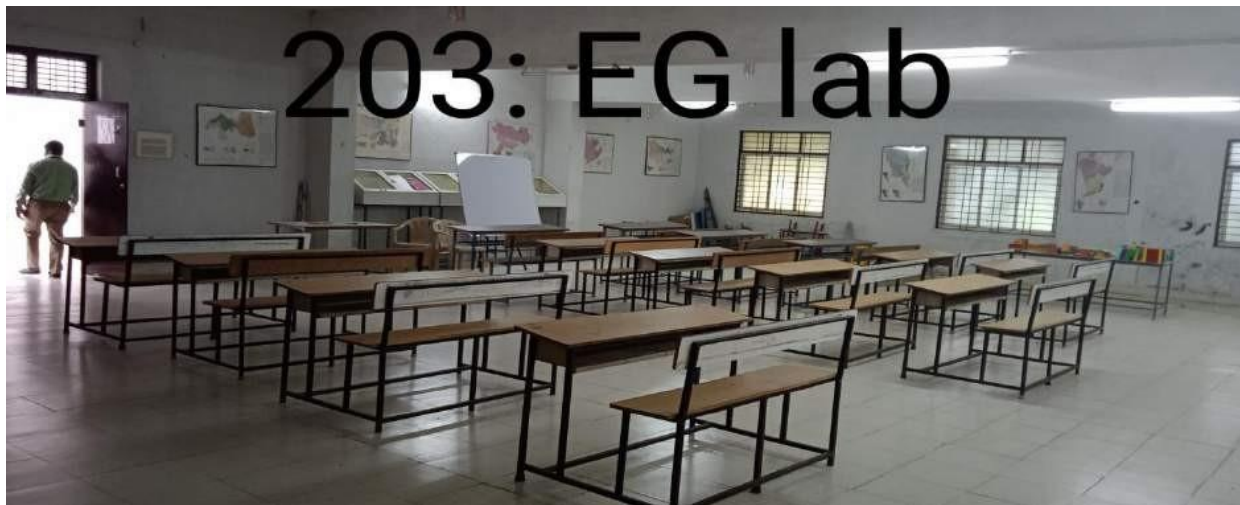




**LABORATORY IMAGES**

**Laboratories in Civil Engineering Department**







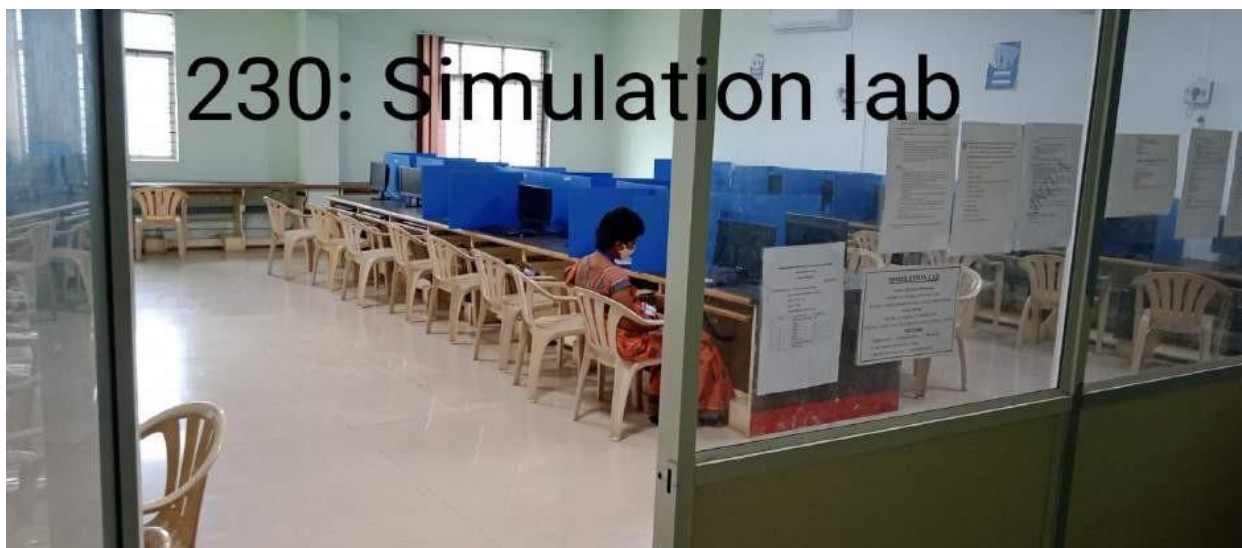


**Laboratories in EEE & ECe Department**











**Laboratories in Mechanical Engineering Department**





**Laboratories in CSE Department**







234 B: Computer lab -1 Side B ELCS Lab



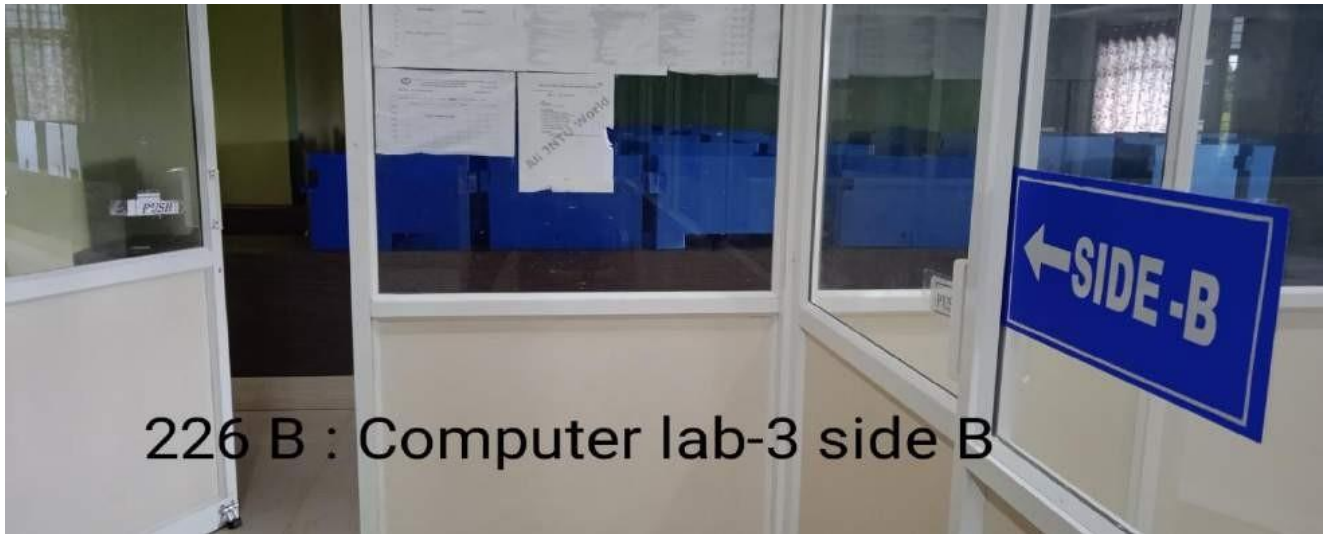
234 Computer lab server room



231 A Computer lab-2 Side A







226 B : Computer lab-3 side B

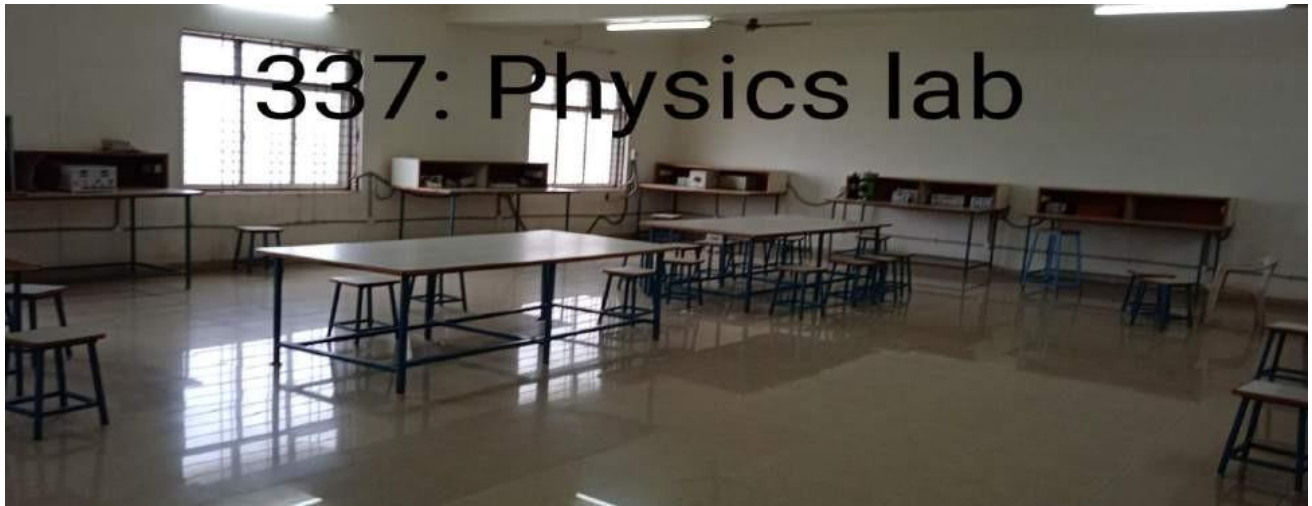


226 C : Computer lab -3 Server room



224: E8 Computer lab 5

Laboratories in H&S Department





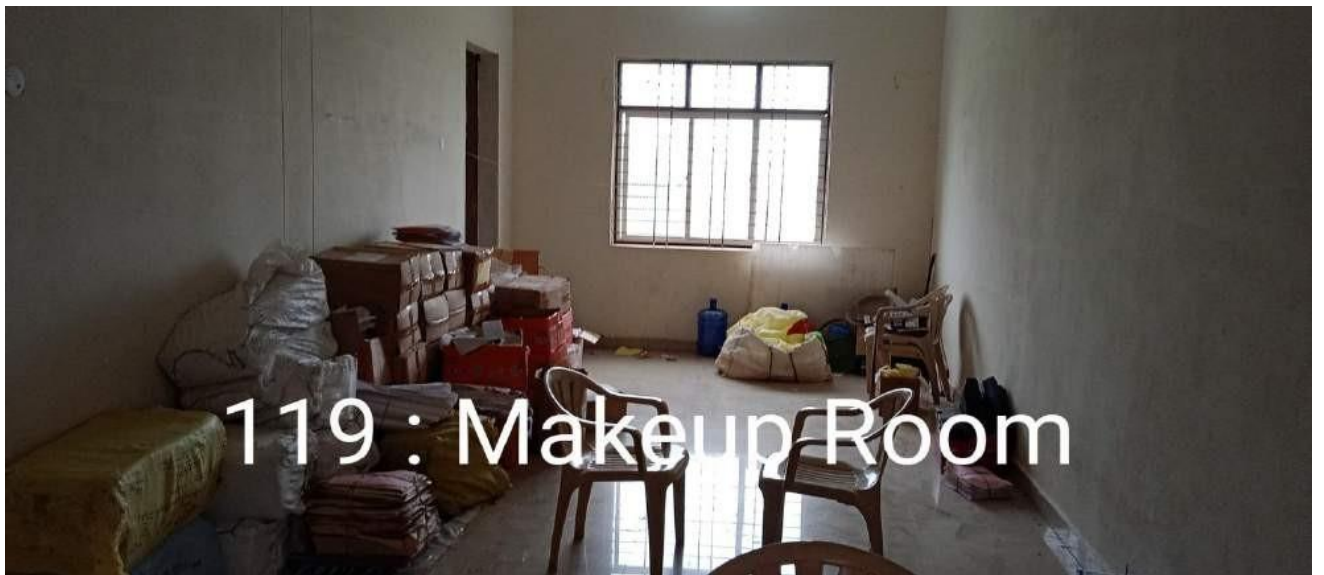




128: Exam Section



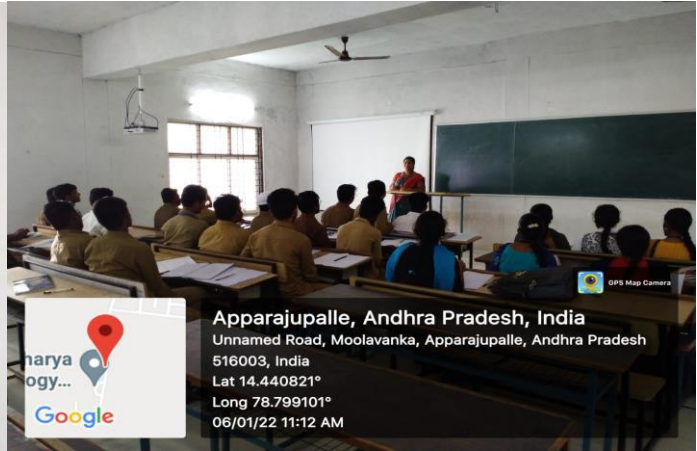
121: Single Spare Room



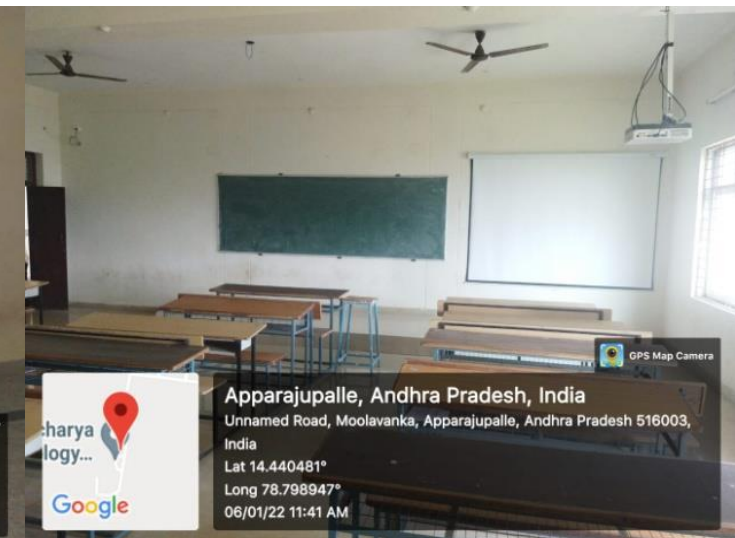
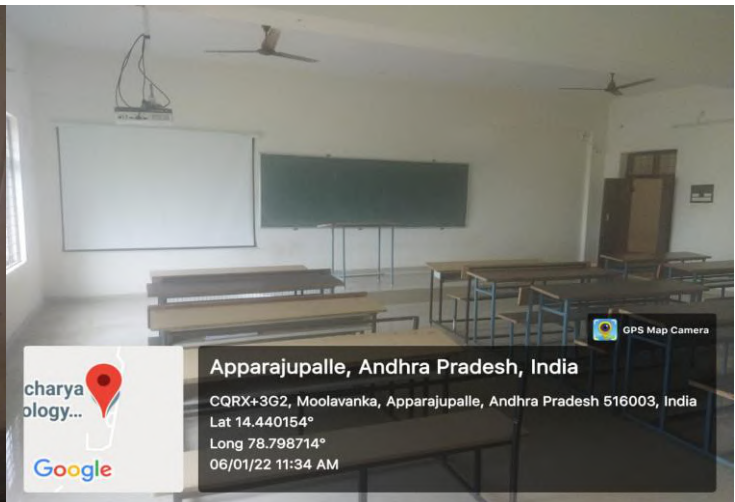
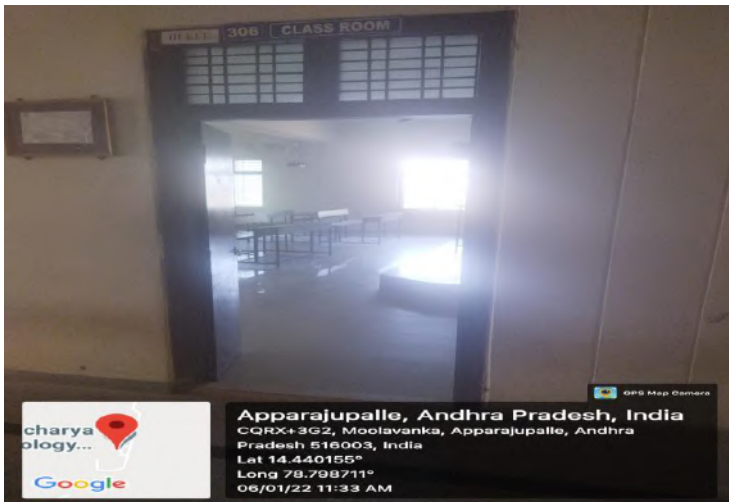
119 : Makeup Room



## CE CLASSROOMS

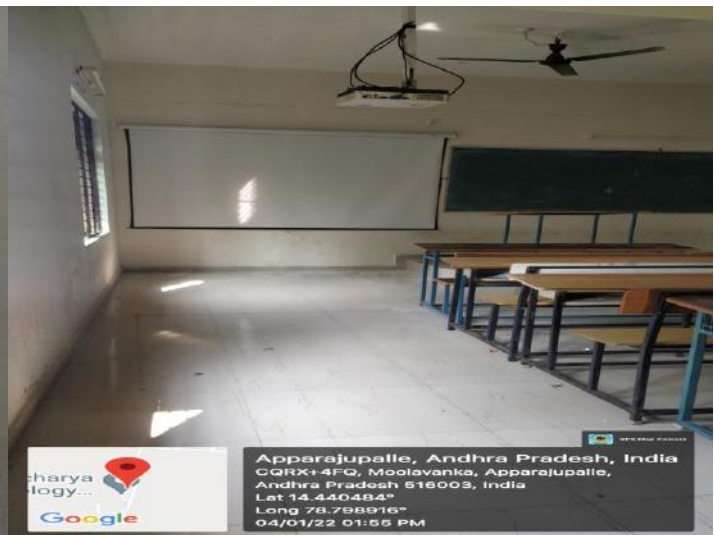
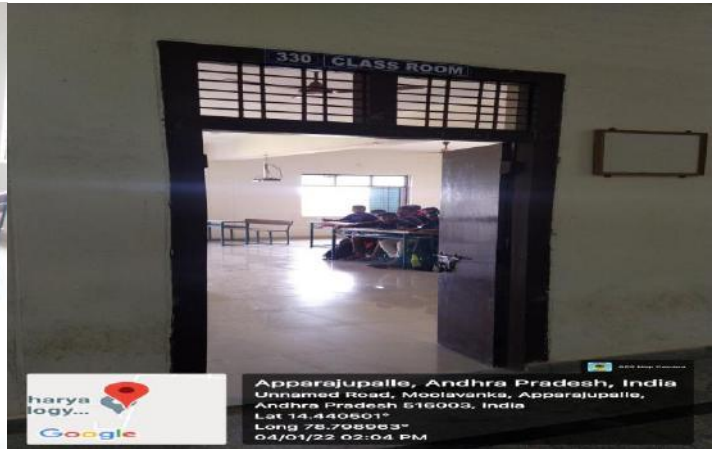
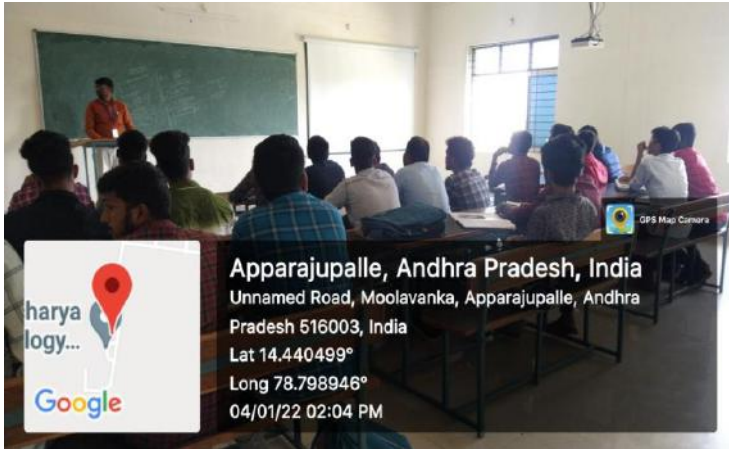


## EEE CLASSROOMS





# MECHANICAL CLASSROOMS

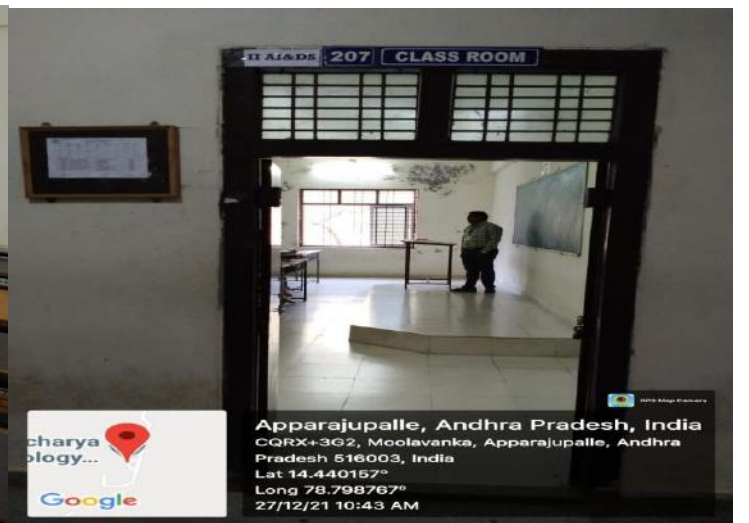


# ECE CLASSROOMS





# CSE CLASSROOMS





## H&S CLASSROOMS







**LAB NAME:** Fluid Mechanics & Hydraulic Machinery

ROOM NUMBER: 131

AREA:1625.86 sq.ft

S.No.	Equipment Name	Quantity
1	Single Stage Centrifugal pump set up with all standard accessories	1
2	Multistage Centrifugal pump set up with all standard accessories	1
3	Reciprocating Pump set up with all standard accessories	1
4	Pelton wheel set up with all standard accessories	1
5	Francis turbine set up with all standard accessories	1
6	Venturi meter set up with all standard accessories	1
7	Orifice meter set up with all standard accessories	1
8	Pipe friction apparatus	1
9	Flow through pipes in minor losses	1
10	Impact of jet on vanes apparatus	1
11	Notch apparatus	1
12	Bernoulli's theorem apparatus	1

**LAB NAME:** Surveying

ROOM NUMBER: 134

AREA: 350.395sq.ft

S.No.	Equipment Name	Quantity
1	Land measuring chain 30meters with 10 arrows	1
2	Prismatic compass	1
3	Cross staff	1
4	Plane tables	1
5	Ranging rods 3m & 4m	1
6	Measuring tape	1
7	Steel arrows 9' long	1
8	Hammer two pound with handle	1
9	Plain table	1
10	Box sextant	1
11	Total station	1
12	Theodlite	1



**LAB NAME:** Geotechnical engineering

**ROOM NUMBER:**133

**AREA:** 1284.11sq.ft

S.No.	Equipment Name	quantity
1	Liquid Limit device	1
2	Plastic Limit Device	1
3	Shrinkage Limit Device	1
4	Core Cutter	1
5	Sand Pouring cylinder apparatus	1
6	Set of sieves (no.7)	1
7	Sieve frame 20cm dia X 75 cm	1
8	Pan and Cover	1
9	Hydrometer	1
10	Permeability Apparatus	1
11	Overhead tank	1
12	Compaction test Apparatus (light compaction)	1
13	Compaction test Apparatus (Heavy compaction)	1
14	CBR test apparatus	1
15	Consolidation apparatus	1
16	UNCONFINED COMPRESSION TEST	1
17	Direct shear test apparatus	1
18	Vane shear apparatus	1
19	OVEN	1

**LAB NAME:** Engineering Geology

**ROOM NUMBER:**203

**AREA:** 1424.5sq.ft

S.No.	Equipment Name	No.of Units
1	MINERALS	1
2	ROCKS	1
3	FOLDS	1
4	FAULTS	1
5	MAGNIFYING LENS	1
6	STREAK PLATES	1
7	ACRYLIC PLASTIC SHEET TRAY	1
8	HARDNESS COLLECTION	1
9	LUSTER COLLECTION	1
10	CLEAVAGE COLLECTION	1
11	FRACTURE COLLECTION	1
12	TENACITY	1

13	STREAK COLLECTION	1
14	FEEL COLLECTION	1
15	FORM AND STRUCTURE	1
16	STRUCTURAL GEOLOGY MODELS	1

**LAB NAME:** Environmental engineering

**ROOM NUMBER:**103

**AREA:** 795.34sq.f

S.No.	Equipment Name	Quantity
1	pH meter	1
2	turbidity meter	1
3	Spectrophotometer	1
4	DO meter	1
5	BOD incubator	1
6	BOD bottles	1
7	Hot air oven	1
8	Evaporating dishes	1
9	Jar test apparatus	1
10	Test tubes	1

**LAB NAME:** Highway Materials

**ROOM NUMBER:** 135

**AREA:** 1237.5sq.f

S.No.	Equipment Name	quantity
1	Crushing test apparatus	1
2	Impact test apparatus	1
3	Deval's attrition apparatus	1
4	Elongation and length gauges	1
5	Los-Angeles abrasion apparatus	1
6	Penetration test setup	1
7	Ductility apparatus	1
8	Ring and ball apparatus	1
9	Pensky-Morten's apparatus	1
10	Specific gravity and water absorption apparatus	1
11	Crushing test apparatus	1



**LAB NAME:** Concrete Technology

ROOM NUMBER: 101

AREA: 1231.37sq.ft

S.No.	Equipment Name	Quantity
1	Specific gravity and soundness of cement	1
2	Lachatlier apparatus	1
3	Cube mould(70.6mm)	1
4	Compacting factor apparatus	1
5	Slump test	1
6	Vee-Bee consist meter	1
7	Longitudinal compressometer	1
8	Vibrating table	1
9	Cube mould 150mm	1
10	Measuring cylinders	1
11	Rebound hammer	1
12	UV pulse velocity machine	1
13	Cube mould 150mm	1
14	Cylindrical mould	1
15	Beam mould	1
16	pycnometer	1
17	Thermo meter	1
18	CTM 200T	1
19	Drying shrinkage	1
20	Concrete permeability	1
21	Bending test	1
22	ACT	1
23	Youngs modulus	1
24	Lateral extensometer	1
25	Concrete mixture	1
26	vibrator	1
27	Set of sieves	1

**LAB NAME:** Cad Laboratory

ROOM NUMBER: 226

AREA: 1424.5sq.ft

1	B.Tech	STAAD PRO (40 systems)	40
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**ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: KADAPA**
**Department of Electrical & Electronics Engineering**
**List of Labs & Equipments**
**CONTROL SYSTEMS LAB.**

Room No. 333    Area: 360 Sq. ft.

<b>Sl. No.</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1.	Linear System Simulator	1
2.	Characteristics of Synchros	1
3.	Transfer function of DC Motor	1
4.	PID Controller	1
5.	Compensation Design	1
6.	Temperature Controller using PID	1
7.	Magnetic Amplifiers	1
8.	Characteristics of AC Servo Motor	1
9.	5KVA Servo Stabilizer	1
10.	CRO	2
11.	0.5HP DC motor	1
12.	DMM	2
13.	Tachometer	1
14.	DC RPS	2



ELECTRICAL MEASUREMENTS LAB  
ROOM NO.:434                      Area: 360 Sq.ft

S.No	Name of the Equipment	Quantity
1.	Ammeters	7
2.	Voltmeters	7
3.	Wattmeters	5
4.	Rheostats	2
5	Single Phase Inductive load(10A)	1
6	Single Phase variac(270V)	2
7	Stop Watch	1
8	Dynamometer Power Factor meter	1
9	Crompton DC Potentiometer	1
10	standard Cell	1
11	Galvanometer	1
12	2V power supply	1
13	Volt Ratio box	1
14	Digital Multimeter	0
15	Precision C.T	1
16	Current source(10A)	1
17	Current Transformer	1
18	Three Phase shifting transformer(500VA)	1
19	Decade inductance box	0
20	Three Phase Inductive load(10A)	1
21	Three Phase variac(400V/10A)	1
22	Choke Coil (5A)	1
23	Weights-10	10
24	Capacitive pick up trainer	1
25	LVDT Trainer	1
26	Strain guage Transducer trainer	1
27	Single phase energy meter (300V,10A)	1
28	Kelvins bridge	1
29	Andersons bridge	1
30	Schering bridge	1

DC MACHINES LAB.

Room No. 107&amp;108) Area : 2604 Sq. ft

S.No.	NAME OF THEEQUIPMENT	AVAILABLE	
1	Shunt Motor-Generator Set	02	
2	Series Motor-Generator Set	01	
3	Shunt Motor	01	
4	Shunt Motor With Drum	02	
5	Compound Motor-Generator Set	01	
6	Compound Motor With Drum	01	
7	Volt Meters	(0-300)V,MC	06
		(0-30)V,MC	01
8	Ammeters	(0-2)A, MC	03
		(0-5)A, MC	01
		(0-5-10)A, MC	02
		(0-10-20)A, MC	04
9	Rheostats	300 $\Omega$ /2A	12
		360 $\Omega$ /1.2A	02
		145 $\Omega$ /2.8A	02
10	R-load	20A	02
		10A	01
11	Three Point starters	09	
12	DC Rectifier 220v/100A/servo control	01	
13	Patch chords	20	
14	Tachometers	02	

POWER ELECTRONICS LAB.

Room No. 434 Area : 360 Sq. ft.

S.NO	EQUIPMENT NAME	AVAILABLE
1	Single Phase Cycloconverter with R and RL	01
2	Single Phase Half Controlled Converter with R	01
3	Three Phase Half Controlled Bridge Converter	01
4	Single Phase Dual Converter with RL Loads	01
5	Dual Converter	01
6	Rheostat (100 $\Omega$ /5A)	08
7	Inductive Load (0-50-100-250mH)/2A	07
8	Isolation transfer (1KVA)	03
9	Voltmeter (0-60V)MI	01
10	Voltmeter (0-50V)MC	01
11	Voltmeter (0-100V)MC	01
12	CRO	12
13	CRO Probes	14
14	Digital Multi Meters	08
15	Patch Cards	150
16	Bench setups	16



AC MACHINES LAB.

Room No. 107&amp;108

Area : 2604 Sq. ft

S.No	NAME OF THE EQUIPMENT	NUMBER AVAILABLE
1	1-PHASE TRANSFORMER 1KVA	01
	2KVA	04
	3KVA	02
2	<b>AMMETER</b>	
	(0-10)A MI	4
	(0-20)A MI	4
	(0-5)A MI	3
3	<b>VOLTMETER</b>	
	(0-150)V MI	4
	(0-300)V MI	5
	(0-500)V MI	1
	(0-600)V MI	3
4	<b>WATTMETER</b>	
	300V/(5-10)A/LPF	4
	600V/20A/UPF	4
	300V/5-10A/UPF	1
5	<b>AUTO TRANSFORMER</b>	
	1-PHASE (0-270)V	3
	3-PHASE (0-470)V	2
6	3-PHASE INDUCTION MOTOR WITH DRUM 3.7 KW	1
7	SINGLE PHASE INDUCTION MOTOR 2HP	1
8	3-PHASE ALTERNATOR SET WITH DC MOTOR 3KVA	2
9	SYNCHRONOUS GENERATOR & DC MOTOR SET	1
10	TACHOMETERS	1
11	DIGITAL MULTIMETER	1
12	DOL STARTER	1
13	STAR DELTA STARTER	1
14	CENTRAL DISTRIBUTION PANEL 440V/200A	1
15	SLIP-RING INDUCTION MOTOR	1
16	VOLTAGE/FREQUENCY CONTROL KIT	1
17	ROTOR RESISTANCE STARTER	1

ELECTRICAL CIRCUITS LAB.

Room No. 434

Area : 360 Sq. ft

S.NO	EQUIPMENT NAME	AVAILABLE
1	Thevenin's and Norton's Theorem trainer kit	1
2	Superposition & Maximum power transfer	1
3	Compensation Theorem trainer kit	1
4	Reciprocity & Millmann's Theorem trainer kit	1
5	Locus Diagrams of RL & RC Series circuits	1
6	Series and Parallel resonance trainer kit	1
7	Z & Y Parameters trainer kit	1
8	Transmission & Hybrid parameters trainer kit	1
9	Determination of self, mutual inductances and	0
10	Measurement of Active power for star & delta	0
11	Measurement of Reactive power for star & delta	0
12	Measurement of Three phase power by two-	0
13	Digital Multimeters	6
14	Analog Voltmeter(0-30V)MI	1
	(0-30V)MI	1
15	Analog Ammeter(0-30mA)MI	1
	(0-30mA)MI	1
16	Regulated Power Supply	6
17	Wattmeters(UPF)	0
18	Function generator	1
19	3½ digit digital DC ammeter(0-200mA)	2
20	3½ digit digital DC voltmeter(0-20V)	2
21	Decade Resistance Box in 4 decades	1
22	Decade capacitance Box in 4 decades	2
23	Decade inductance Box in 4 decades	3
24	20MHz Dual trace Oscilloscope	1
25	Bread boards	7
26	5KVA Servo stabilizer	1
27	Constant- K high and low pass filters	1
28	RC circuits	1
29	RC & RL circuits	1
30	Active Notch filter	1
31	Band pass filter	1



ELECTRICAL MACHINES & POWER SYSTEMS LAB

ROOM No.: 107 &amp; 108 Area: 360 Sq. ft.

S.No	EQUIPMENT NAME	NUMBER AVAILABLE
1	3 WINDING TRANSFORMER (3 KVA)	1
2	AC DIGITAL AMMETER (0-10)A MI	6
	(0-2)A MI	1
3	AC DIGITAL VOLTMETER (0-300)V MI	1
	(0-600)V MI	3
4	WATTMETER 300V/(5-10)A/LPF	1
	RHEOSTAT (100Ω/5A)	1
6	AUTO TRANSFORMER 1-PHASE (0-270)V	1
	3-PHASE (0-470)V	2
7	FAULT ANALYSIS-I MODEL	1
8	FAULT ANALYSIS-II MODEL	1
9	IDMT OC RELAY	1
10	EM TYPE OV RELAY	1
11	MC BASED OV RELAY	1
12	NEGATIVE SEQ RELAY	1
13	% BIASED DIFFERENTIAL RELAY(EM TYPE)	1
14	% BIASED DIFFERENTIAL RELAY(MC BASED)	1

SIMULATION LAB.

Room No. 226 Area : 1080 Sq. ft.

S.No	NAME OF EQUIPMENT	NO. OF UNITS
1	MATLAB SOFTWARE	5 USERS
2	PERSONAL COMPUTERS	65


**ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES::KADAPA**
**Department of Mechanical Engineering**
**List of Labs & Equipments**
**Lab Name: Engineering Workshop**
**Room No.: 104 Area: 2128 sq.ft**

S.No	Name of the Equipment	Quantity
1.	Bench vice (carpentry)	16
2.	Bench vice (Fitting)	16
3.	Metal jack plane 9"	20
4.	Handsaw 18"	20
5.	Try square 6" (Carpentry)	20
6.	Mortise chisel ½"	20
7.	Firmer chisel 1"	20
8.	Planning chisel 1"	10
9.	Steel Rule 12"	20
10.	Half Round wood rip file	20
11.	Marking gauge	20
12.	Hack Saw frames	20
13.	Ball peen Hammers ½"	10
14.	Ball peen Hammers 1"	10
15.	Flat rough file 250mm	20
16.	Flat smooth file 250mm	20
17.	Square file 250mm	20
18.	Square file 150mm	20
19.	Triangular file 250mm	20
20.	Triangular file 150mm	20
21.	Round file 250mm	20
22.	Round file 150mm	20
23.	Half round file 250	20
24.	Half round file 150	20
25.	Needle file set (12nos)	6
26.	Cold chisel 12mm	20
27.	Inside callipers 150mm	10
28.	Outside callipers 150mm	10
29.	Odd leg callipers 150mm	10
30.	Steel rule 150mm	20
31.	Venire high gauge 300mm	1
32.	Scriber	20
33.	Surface Plate 450x450mm	1
34.	Number punch set	2
35.	Letter punch set	1
36.	Divider 6"	20
37.	Centre punch	20
38.	Dot punch	20



39.	Try square 4" (fitting)	20
40.	File cards	10
41.	Tin cutter (Straight snip 200mm)	10
42.	Bevel Tin cutter	5
43.	Cross peen Hammers	10
44.	PVC mallets	10
45.	Nose plier	10
46.	Stacker set (4nos)	4
47.	Electric soldering rods	2
48.	Screw drivers 150mm	15
49.	Cutting pliers 200mm	15
50.	Wire stripper (or)cutter	15
51.	Testers	15
52.	Pokers	10
53.	Electrical blower	1
54.	Tongs	20
55.	Ball peen Hammer ½"	10
56.	Swage block 12"x12"x4"	1
57.	Anvil 50kg	2
58.	Anvil 25kg	2
59.	Swage bottom	10
60.	Flatters	10
61.	Sledge Hammer 2"	3
62.	Electrical Hand gloves	3
63.	Chipping chisels	10
64.	Die Spanner Set 6to 32	1
65.	Ring Spanner set 6to32	1
66.	Tool Box 3 Compartment	2
67.	Drilling machine (E1D13)	1
68.	Wood Cutter(EC4)	1
69.	Wood cum metal cutters GCO 2000 Bosco	1

**Lab Name:** Heat Transfer  
**Room No.:** 105A **Area:** 1062 sq.ft

S.No	Equipment	Quantity
1.	Thermal conductivity of metal rod	01
2.	Stefan Boltzmann Apparatus	01
3.	Heat transfer through composite walls	01
4.	Lagged pipe apparatus	01
5.	Heat transfer by forced convection	01

6.	Natural Convection Apparatus	01
7.	Thermal conductivity of insulating powder	01
8.	Parallel & counter flow heat exchanger	01
9.	Emissivity Measurement Apparatus	01
10.	Measurement of heat transfer through pin-fin	01

**Lab Name:** Manufacturing Technology

**Room No.:** 105B **Area:** 1062 sq.ft

S.No	Equipment	Quantity
1.	Universal Strength Machine	01
2.	Sand Rammer	01
3.	Permeability Meter	01
4.	Balance	01
5.	TIG along ARC Welding machine	01
6.	Spot Welding	01
7.	Moulding Boxes set with accessories	04
8.	Hydraulic press with accessories	01
9.	Injection Moulding Machine	01
10.	ARC Welding machine	01

**Lab Name:** Thermal Engineering

**Room No.:** 116 **Area:** 1736 sq.ft

S.No	Equipment	Quantity
1.	Two stroke single cylinder diesel engine (cut-section)	01
2.	Four stroke slow speed diesel engine test rig	01
3.	Two stroke single cylinder petrol engine test rig	01
4.	Four stroke single cylinder diesel engine (cut-section)	01
5.	Two stage Air compressor test rig	01



6.	Refrigeration test rig	01
7.	Heat pipe apparatus	01
8.	Morse test	01
9.	Dryness fraction estimation of steam	01
10.	VCR Petrol engine	01
11.	Air conditioning Unit	01
12.	Solar Flat Plate Collector	01
13.	Solar Evacuated Tube collector	01

**Lab Name:** Machine Tools  
**Room No.:** 125 **Area:** 2165 sq.ft

S.No	Equipment	Quantity
1.	4.5 Feet high precision Lathe Machine	05
2.	Milling Machine	01
3.	Radial Drilling Machine	01
4.	12 inch SHAPER	01
5.	Slotting Machine	01
6.	Bench Grinding machine	01

**Lab Name:** CAD/CAM  
**Room No.:** 227 **Area:** 1134 sq.ft

S.No	Equipment	Quantity
1.	CNC MACHINE	01
2.	COMPUTERS	35

**Lab Name:** Metrology & Instrumentation  
**Room No.:** 329 **Area:** 1286 sq.ft

S.No	Equipment	Quantity
1.	Pressure gauge	01
2.	Temperature gauge	01

3.	LVDT	01
4.	Thermo couple apparatus	01
5.	Rota meter	01
6.	Vibration apparatus	01
7.	Strain gauge force measurement	01
8.	Resistance transducer	01
9.	Magnetic pick up	01
10.	McLeod gauge	01
11.	TOOL MAKERS MICROSCOPE	01
12.	Vernier Callipers 200mm	02
13.	Vernier Height Gauge 12'' 300mm	01
14.	Bevel Protractor	02
15.	Sine Bar	02
16.	Gear Tooth Vernier Calliper, 1-50mm	01
17.	Dial Bore Gauge 35-60mm	02
18.	Sprit Level 200/0.02	02
19.	Slip Gauges (83 Pcs set)	01
20.	Outside Micrometre 0-25mm	01
21.	Outside Micrometre 25-50mm	01
22.	Jaw type inside incrometer 0-25mm	01
23.	Jaw type inside incrometer 25-50mm	01
24.	Granit Surface Plate with Stand	01

**Lab Name:** Material Science  
**Room No.:** 431 **Area:** 1286 sq.ft

S.No	Equipment	Quantity
1.	Double disc Polisher	01
2.	Hand Polishing Stand	01
3.	Binocular Microscope	04
4.	Heat Treatment Furnace	01
5.	Jominy End Quench Apparatus	01


**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, KADAPA**
**Department of Computer Science & Engineering**
**List of Labs & Equipments**
**Computer Lab-2 (Side-A) :: 231 :: Area- 1289.08 Sq.Ft**

S.No	Name of the Equipment	Quantity
1.	Computers (HP Pro 280G6 Desktop: Intel Core i5-11500, 11 <sup>th</sup> Gen, 8GB DDR4RAM, 1000GB HDD, 19.5 TFT Monitor, No ODD, Standard USB Key Board Mouse.	66
2.	Computers(Lenovo Intel Pentium Processor G630(3M cache ,2070GHz),G41 Chipset Motherboard,2GB(upgrade 4GB) DDR3 1667Mhz RAM ,250GB SATA HDD,No Optical,USB Keyboard+Mouse,AOC 15.6 LED Monitor.	9
3.	Dot Matrix Printer	01
4.	Projector	01
5.	AC's(Air Conditioners)	4

**Computer Lab-2 (Side-B) :: 231**
**Area- 1289.08 Sq.Ft**

S.No	Name of the Equipment	Quantity
1.	Computers (HP Pro 280G6 Desktop: Intel Core i5-11500, 11 <sup>th</sup> Gen, 8GB DDR4RAM, 1000GB HDD, 19.5 TFT Monitor, No ODD, Standard USB Key Board Mouse.	66
2.	Computers(Lenovo Intel Pentium Processor G630(3M cache ,2070GHz),G41 Chipset Motherboard,2GB(upgrade 4GB) DDR3 1667Mhz RAM ,250GB SATA HDD,No Optical,USB Keyboard+Mouse,AOC 15.6 LED Monitor.	9
3.	Projector	01
4.	AC's(Air Conditioners)	4



**Computer Lab-2 (Server Room) :: 231 Area- 395.25 Sq.Ft**

S.No	Name of the Equipment	Quantity
1.	Computers(Lenovo Intel Pentium Processor G630(3M cache ,2070GHz),G41 Chipset Motherboard,2GB(upgrade 4GB) DDR3 1667Mhz RAM ,250GB SATA HDD,No Optical,USB Keyboard+Mouse,AOC 15.6 LED Monitor.	01
2.	Canon Printers	01
3.	ID Card Printers	01
4.	AC's(Air Conditioners)	01

**Computer Lab-1 (Programming lab) :: 234 :: Area-1655.36 Sq.Ft**

S.No	Name of the Equipment	Quantity
1.	Computers(Lenovo Intel Pentium Processor G630(3M cache ,2070GHz),G41 Chipset Motherboard,2GB(upgrade 4GB) DDR3 1667Mhz RAM ,250GB SATA HDD,No Optical,USB Keyboard+Mouse,AOC 15.6 LED Monitor.	70
2.	Dot Matrix Printers	01
3.	Projector	01
4.	AC's(Air Conditioners)	03

**Computer Lab-1 (Python language): 234:: Area-1660.37 Sq.Ft**

S.No	Name of the Equipment	Quantity
1.	Computers(Lenovo Intel Pentium Processor G630(3M cache ,2070GHz),G41 Chipset Motherboard,2GB(upgrade 4GB) DDR3 1667Mhz RAM ,250GB SATA HDD,No Optical,USB Keyboard+Mouse,AOC 15.6 LED Monitor.	65
2.	Computers- Dell Vostro 220Desktop Intel(R) Core(TM) 2 Duo Processor E7500(2.93GHz/1066 FSB/3M L2 cache),Gigabit LAN 10/100/1000,integrated intel ( R) Graphics Media accelerator X4500,2GB (2*1GB)(upgrade 4GB) NECC DDR 1066MHz SDRAM Memory ,250GB7.2k RPM SATA HardDrive,DOS)- Factory Installed	05

	(English),Dell(TM) USB Entry Key Board(US-version)-Block ,Dell ( TM) Optical USB mouse, Dell E1910h 18.5 widescreen flat panel Monitor	
3.	AC's(Air Conditioners)	03

**List of Labs & Equipments**

**Computer Lab-1 (Server Room) :: 234 :: Area-386.42 Sq.Ft**

S.No	Name of the Equipment	Quantity
1.	Computers- Dell Vostro 220Desktop Intel(R) Core(TM) 2 Duo Processor E7500(2.93GHz/1066 FSB/3M L2 cache),Gigabit LAN 10/100/1000,integrated intel ( R) Graphics Media accelerator X4500,2GB (2*1GB)(upgrade 4GB) NECC DDR 1066MHz SDRAM Memory ,250GB7.2k RPM SATA HardDrive,DOS)- Factory Installed (English),Dell(TM) USB Entry Key Board(US-version)-Block ,Dell ( TM) Optical USB mouse, Dell E1910h 18.5 widescreen flat panel Monitor	01
2.	AC's(Air Conditioners)	01


**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES::KADAPA.**

BEHIND R.T.O OFFICE, UTTUKUR ,C.K.DINNE MANDAL , KADAPA-516003.

Department of Humanities and Sciences

Lab Name: Physics Laboratory Room No:-337 Area :: 1221.8 Sq.Ft

S.No.	Name of the Equipment	Quantity
1	Andersons Bridge Kit	01
2	Air Wedge Method	01
3	Aspitator bottle with rubber cork & Pipe	01
4	B-H Curve Kit	03
5	Coupled Oscillator Setup	01
6	Dielectric constant Kit	01
7	Energy gap of Semiconductor Kit	02
8	Four Probe Set up	01
9	Gouys Method set up	01
10	Hall Effect Kit	01
11	Travelling Microscopes	03
12	Melde's Kit	03
13	Optical Fiber Kit	01
14	P-N Junction Energy Gap Kit	04
15	Meter bridge with Pencil Jockey	01
16	Quill Tube	01
17	Spectrometer	03
18	Sonometer Kit	03
19	Stewart & Gee's Kit	04
20	Strain Gauge Pressure Variation set up	01
21	Temperature coefficient of Resistance Kit	01
22	Ultrasonic Velocity Kit	01
23	Vernier Callipers Kit	04
24	Screw Guage Kit	04
25	Drawing boards with magnetic compass needle kit	02
26	Mercury Lamp Kit	04
27	Convex lens Kit with V Wood stand	02
28	Newton's Ring Kit	03
29	Stop clock watches for Torsional pendulum kit	03
30	Tuning Fork Kit	03





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Department of Humanities and Sciences**

**Lab Name: Chemistry Lab      Room No: 339      Area: 1221.8 Sq.Ft**

S.No	Name of the Equipment	Quantity
1	Analytical Balance (or) Physical Balance	05
2	Electro- Analytical Balance	01
3	Digital Conductivity meter	04
4	Digital Photo-Electric Calorimeter	03
5	Redwood Visco meter-I	02
6	Redwood Visco meter-II	01
7	Digital pH meter	02
8	Digital Potentio meter	02
9	Thin Layer Chromatography ( TLC) Kit	01
10	Electric Water Bath	01
11	Junkers Gas Calorimeter	01



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Department of Electronics and Communication Engineering**

**Lab Name: EDC Room No: 323**

S.NO	ITEM	QUANTITY
1	Servo Stabilizer	1
2	CRO	10
3	RPS	10
4	Function Generator	10
5	Digital Multimeter	15
6	Decade Resistance box	05
7	Decade Inductance box	01
8	Decade Capacitance box	01
9	Universal IC tester	01
10	Electronic circuit designer	01
11	Trainer kits for various experiments	21
	Discrete components	

**Lab Name: MPMC & DSP Room No: 445**

S.NO.	NAME OF EQUIPMENTS	COUNT
1.	Regulated Power Supply	1
2.	No. of Benches:	9
3.	No. of Stools:	35
4.	Monitor	12
5.	CPUs	11
6.	Keyboards	12
7.	Mouses	12
8.	Softwares	MASM, Keil micro vision, Proteus&Matlab
9.	Hardware	DSP Processors kits
10	USB Connectors	-

**Lab Name: VLSI & ES Room No: 445**

S.NO.	NAME OF EQUIPMENTS	COUNT
1.	Regulated Power Supply	1
2.	No. of Benches:	9
3.	No. of Stools:	35
4.	Monitors	12

5.	CPUs	11
6.	Keyboards	12
7.	Mouses	12
8.	Softwares	Xilinx 14.7 Code Composer Studio (CCS)
9.	Hardware Kit	TM4C123GXL
	USB Connectors	-

**Lab Name: LDICA Room No: 338**

S.NO	CIRCUITS, DEVICES AND COMPONENTS	COUNT
1	Servo-Stabilizer	01
2	Cathode ray Oscilloscopes (CRO's)	08
3	Function Generators (FG's)	10
4	Regulated Power Supply (RPS)	11
5	Mustimeters	18
6	AC-Voltmeters	08
7	DC-Voltmeters	05
8	DC-Ammeters	10
9	Analog circuit kits	12
10	Bread boards	20
11	Capacitance Boxes	09
12	Resistance Boxes	11
	Probes & Descrete components	

**Lab Name: MWE & OFC Room No: 444**

CRO'S	: 05
Servo Stabilizer	: 01
REGULATED POWER SUPPLIES	: 05
KLYSTRON POWER SUPPLY	: 04
KLYSTRON TUBE	: 04
KLYSTRON MOUNT	: 04
FREQUENCY METER	: 04
VARIBAL ATTENUATOR	: 04
WAVE GUIDE STAND	: 16
VSWR METER	: 04
SLOTTED SECTION WITH PROBE	: 04
TUNABLE PROBE	: 04



BNC CABLE	: 09
COOLING FAN	: 04
ISOLATOR	: 04
DETECTOR MOUNT	: 04
MOVABLE SHORT	: 01
MATCHED TERMINATION	: 06
SS TUNER	: 02
CIRCULATOR	: 01
MAGIC TEE	: 01
GUNN OSCILLATOR	: 01
GUNN POWER SUPPLY	: 01
PIN MODULATOR	: 01
FIXED SHORT	: 01
DIGITAL TACHOMETER 2000 RPM	: 02
PHY 146/147 FIBRE OPTIC DIGITAL LINK	: 01
PHY 148/149 FIBRE OPTIC ANALOG LINK	: 01
PHY 166 NUMERICAL APERTURES	: 01
PHY 158/159 LASER DIODE	: 01
PHY 166 NUMERICAL APERTURES	: 01
PHY 166 NUMERICAL APERTURES	: 01