

Amruta Institute of Engineering & Management Sciences

Laboratory Details

No.	Department	Name of the Laboratory	Lab / Major Equipments
1	MECHANICAL ENGINEERING	ADDITIONAL WORKSHOP	Surface Plate, Bench wise
2	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ADVANCED COMMUNICATION LAB	TDM MODULATION AND DEMODULATION KITS WITH ACCESSORIES, DPSK QPSK MODULATION AND DEMODULATION KIT
3	COMPUTER SCIENCE & ENGINEERING	ALGORITHMS	DESKTOPS
4	INFORMATION SCIENCE AND ENGINEERING	ALGORITHMS-ISE	DESKTOPS
5	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ANALOG COMMUNICATION LABN + LIC LAB	SM 203 G 30 MHz CRO SM 7022 DIGITAL MULTIMETER SM 5070 SCIENTIFIC SIGNAL GENERATOR (7.G) DRB 6
6	ELECTRICAL ENGINEERING	ANALOG ELECTRONICS	SM 203 G 30MHZ CRO SM 5070 SCIENTIFIC SIGNAL GENERATOR(7G) DIGITAL MULTIMETER PSD 3304 SCIENTIFIC
7	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ANALOG ELECTRONICS LAB	SM 203 G 30 MHz CRO SM 5070 SCIENTIFIC SIGNAL GENERATOR (7.G) DIGITAL MULTIMETER PSD 3304 SCI PS
8	CIVIL ENGINEERING	APPLIED ENGG GEOLOGY LAB	GEOLOGICAL MAPS MATERIAL TESTING MACHINE SEISMOGRAPHS
9	CIVIL ENGINEERING	BASIC MATERIAL TESTING LAB	UNIVERSL TESTING MACHINE TORSIN MACHINE HARDESS TESTING MACHINE IMPACT MACHINE
10	FIRST YEAR/OTHER	C PROGRAMMIN LAB	DESKTOPS
11	FIRST YEAR/OTHER	CAED LAB	DESKTOPS

12	FIRST YEAR/OTHER	CHEMISTRY LAB	Calorimeters, conductometers, De-ionerser, Balances, Ovens, PH meters, Dot make Poterntio meter
13	ELECTRICAL ENGINEERING	CIRCUIT SIMULATION AND MEASUREMENTS LAB	KELVIN DOUBLE BRIDGE, MAXWELLS BRIDGE, DESAUTY'S BRIDGE, ENERGY METER, 3 PHASE VARIABLE INDUCTIVE AN
14	CIVIL ENGINEERING	COMPUTER AIDED DESIGN LAB	DESKTOPS, AUTOCAD SOFTWARE,STADD PRO SOFTWARE
15	MECHANICAL ENGINEERING	COMPUTER AIDED MODELLING AND ANALYSIS	DESKTOPS AND ANSYS LICENSED SOFTWARE
16	MECHANICAL ENGINEERING	COMPUTER ANLAYSIS AND MODELING LAB	COMPUTERS & ANSYS SOFTWARE
17	COMPUTER SCIENCE & ENGINEERING	COMPUTER GRAPHICS AND VISUALIZATION LAB	DESKTOPS
18	COMPUTER SCIENCE & ENGINEERING	COMPUTER LAB	Computer Desktops
19	ELECTRICAL AND ELECTRONICS ENGINEERING	CONTROL SYSTEMS LAB	P,PI,PID CONTROLLERS,2PH &DC SERVOMOTORS, AMPLIFIERS, SYNCHROPARES,FUNC.GENERATORS, REGULATED POWER
20	COMPUTER SCIENCE & ENGINEERING	DATA BASE LABORATORY	DESKTOPS
21	INFORMATION SCIENCE AND ENGINEERING	DATA STRUCTURES	DESKTOPS
22	COMPUTER SCIENCE & ENGINEERING	DATA STRUCTURES LAB	DESKTOPS
23	INFORMATION SCIENCE AND ENGINEERING	DATABASE APPLICATIONS LAB	DESKTOPS
24	ELECTRICAL ENGINEERING	DC MACHINES AND SYNCHRONOUS LAB	3.75KW 5HP 220 DC 1500 RPM DC COMPOUND MOTOR COUPLED TO SOLID YOKE 3.5KW/220/1500RPM,DC COMPOUND GEN
25	ARTIFICIAL INTELLIGENCE	DDCO/R PROCESSING/GIT	Desktops : 8 GB, 512 GB SSD, HP Compacc G90, Core i5 3rd gen

26	CIVIL ENGINEERING	DRAWING HALL	Drawing Board
27	ELECTRONICS AND COMMUNICATIONS ENGINEERING	DSP LAB	DSP STARTER KIT 35 COMPUTERS
28	COMPUTER SCIENCE & ENGINEERING	ELECTRONIC CIRCUITS	CRO
29	INFORMATION SCIENCE AND ENGINEERING	ELECTRONIC CIRCUITS -ISE	CRO
30	MECHANICAL ENGINEERING	ENERGY CONVERSION ENGINEERING LABORATORY	REDWOODS, SAYBOLT, TORSION VISCOMETER, PLANI METER, TWO STROKE PETROL ENGINE, FOUR STROKE PETROLDIESE
31	MECHANICAL ENGINEERING	ENERGY CONVERSION LAB	MULTI CYLINDER ENGINE, 2 STROKE & 4 STROKE PETROL & DIESLE ENGINE
32	FIRST YEAR/OTHER	ENGINEERING PHYSICS LAB	FOUR PROBE EQUIPMENT, SPECTROMETER, CRO, LASER SOURCE, TRANSISITOR CHARACTERISTICS, SERIES PARALLEL
33	CIVIL ENGINEERING	EXTENSIVE SURVERY VIVA-VOCE	PROJECTS ON NEW TANKS WATER SUPPLY AND SANITARY , HIGH WAY PROJECT PROJECT ONY VIVA
34	INFORMATION SCIENCE AND ENGINEERING	FILE STRUCTURES	DESKTOPS
35	MECHANICAL ENGINEERING	FLUID MECHANICS	KAPLAN TURBIN, FARNCIS TURBINNE, PELTON WHEEL, MAJOR AND MINOR LOSSES, AIR COMPRESSOR, BLOWER, SINGLE & MULT
36	MECHANICAL ENGINEERING	FLUID MECHANICS AND MACHINES LABORATORY	Orifice Plate meter Nozzle Venturimeter V-notch Pelton wheel Francis Turbine Kaplan Turbines
37	MECHANICAL ENGINEERING	FOUNDRY & FORGING LAB	PATTERNS, TESTING TOOLS, MICROSCOPE FOUNDRY TOOLS & FORGING TOOLS & FURNACES
38	CIVIL ENGINEERING	GEOTECHNICAL ENGINEERING LAB	IS SIEVES AND SIEVE SHAKER, STANDARD PROCTOR, MODIFIED PROCTOR, CASAGRAUDE EQUIPMENT, TRIAXIAL COMPRES

39	CIVIL ENGINEERING	GEOTECHNICAL LABROTATORY	CBR apparatus,triaxial apparatus, direct shear test apparatus, consolidation test apparatus
40	ELECTRONICS AND COMMUNICATIONS ENGINEERING	HDL	ADC TMP GENERAL PURPOSE , ADC WITH SENSOR INTERFACE, GPIO: 32 DIGIT I/P4, 35 COMPUTERS, DIORLY:
41	MECHANICAL ENGINEERING	HEAT &MASS TRANSFER	AIR CONDITIONER & REFRIGERATOR AND THERMAL CONDUCTIVITY
42	MECHANICAL ENGINEERING	HEAT AND MASS TRANSFER	TRANSIENT,VAPOUR COMPRESSION, LMDT,TRANIENT CONDUCTION,METALLIC FIN EQUIPMENT.
43	CIVIL ENGINEERING	HYDRAULICS AND HYDRAULIC MACHINERY LAB	PRESSURE GAUGE,VENTURI METER,PELTON WHEEL , KAPLAN TURBINE, BROAD CRESTED WEIR, V-NOTCH
44	FIRST YEAR/OTHER	LANGUAGE LAB	ENGLISH LAUNGAUGE SOFTWARE
45	ELECTRONICS AND COMMUNICATION ENGINEERING (SANDWICH)	LOGIC DESIGN LAB	DIGITAL IC TRAINER KIT MODEL 2007 ANALOG IC TESTER DIGITAL IC TESTER
46	ELECTRICAL ENGINEERING	LOGICDESIGN LAB	DIGITAL IC TRAINER KIT, ANALOG IC TESTER, DIGITAL IC TESTER
47	MECHANICAL ENGINEERING	MACHINE SHOP LAB	LATHE MACHINE,MILLING MACHINE,SHAPING MACHINE,DRILLING MACHINE
48	MECHANICAL ENGINEERING	MECHANICAL MEASUREMENTS & METROLOGY	PRESSUAGE GAUGE , THERO COUPLES, LVDT, LOAD CELL, DYNOMO METER, MICRO METER, OPTICAL FLATS
49	MECHANICAL ENGINEERING	METALLOGRAPHY & MATERIAL TESTING LABORATORY	UNIVERSAL TESTING MACHINE BENDING MACHINE TORSIN TESING MACHINE HARDNESS TESTING MACHINE
50	ELECTRONICS AND COMMUNICATION ENGINEERING (SANDWICH)	MICROCONTROLLER LAB	MICROCONTROLLER KIT 89C51: SIMS PF 51, DSE WITH BUZZER,GENLEVE ELEVATOR SIMULATOR AND 35 COMPUTERS

51	ELECTRICAL ENGINEERING	MICROCONTROLLER LABORATORY	MICROCONTROLLER KIT 89C51, 35 COMPUTERS, DACBUZ:DAC WITH BUZZER AND SPEAKER OUTPUT DISHEX SEVEN SEGM
52	COMPUTER SCIENCE & ENGINEERING	MICROPROCESSOR	MICROPROCESSOR KITS AND DESKTOPS
53	ELECTRONICS AND COMMUNICATIONS ENGINEERING	MICROPROCESSOR LAB	24 I/O INTERFACING CARD FOR ADVANCED MP LAB DISHEX SEVEN SEGMENT WITH HEX KEYPAD 4X4
54	INFORMATION SCIENCE AND ENGINEERING	MICROPROCESSOR LAB -ISE	DESKTOPS
55	COMPUTER SCIENCE & ENGINEERING	NETWORKS LAB	DESKTOPS AND SERVER
56	INFORMATION SCIENCE AND ENGINEERING	NETWORKS LAB-ISE	DESKTOPS & SERVER WITH LAN CONNECTIVITY
57	COMPUTER SCIENCE & ENGINEERING	OOPS LAB	DESKTOPS
58	INFORMATION SCIENCE AND ENGINEERING	OOPS LAB-ISE	DESKTOPS
59	ARTIFICIAL INTELLIGENCE	OPERATING SYSTEM / DATA STRUCTURE	Desktops :16 GB, 512 GB HP G90, Core i5 12 gen
60	ELECTRICAL ENGINEERING	POWER ELECTRONICS	SCR KIT, MOSFET AND IGBT KIT, DIGITAL FIRING CIRCUIT, SINGLE PHASE HALF AND FULL CONVERTER LAMP DI
61	ELECTRONICS & COMMUNICATION ENGG	POWER ELECTRONICS LAB	SCR KIT, MOSFET & IGVT KIT, I PH 1/2 AND FULL CONVERTER, UJT RELAXATION OSCILLATOR KIT, DIGITAL FIRI
62	ELECTRICAL AND ELECTRONICS ENGINEERING	POWER SYSTEMS SIMULATION LAB	P4,256MB RAM,80GBHDD,14"LCD MONITOR,OPTICAL MOUSE,7KVA UPS,MY POWER SOFTWARE PACKAGE
63	ELECTRICAL AND ELECTRONICS ENGINEERING	PROJECT LAB	BASIC EQUIPMENTS,PC,PRINTER,SCANNER
64	COMPUTER SCIENCE AND ENGINEERING	PROJECT WORK-CSE	DESKTOPS & SERVER WITH LAN CONNECTIVITY

65	ELECTRONICS & COMMUNICATION ENGG	PROJECT WORK-ECE	BASIC EQUIPMENTS, PRINTERS,SCANNERS
66	INFORMATION SCIENCE AND ENGINEERING	PROJECT WORK-ISE	DESKTOPS AND SERVERS WITH LAN CONNECTIVITY
67	ELECTRICAL AND ELECTRONICS ENGINEERING	RELAY & HIGH VOLTAGE LAB	SPHERE & ROD GAP APPARATUS, HV TRANSFORMER, OIL TEST KIT, ELECTROLYTIC TANK, OVER CURRENT OVER VOLTA
68	CIVIL ENGINEERING	SURVEYING PRACTICE LAB	TRIPODS STASS DRAWING TABLT THEODILETE
69	COMPUTER SCIENCE & ENGINEERING	SYSTEM SOFTWARE AND COMPILER DESIGN LAB	DESKTOPS
70	INFORMATION SCIENCE AND ENGINEERING	SYSTEM SOFTWARE AND COMPILER LAB-ISE	DESKTOPS
71	ELECTRICAL ENGINEERING	TRANSFORMERS AND INDUCTION MACHINES	SINGLE PHASE TRANSFORMER, SINGLE PHASE AUTO TRANSFORMER, INDUCTION MOTORS 5HP, 7.5 HP, ENERGY METER
72	VLSI DESIGN AND EMBEDDED SYSTEMS	VLSI	Computer Desktops
73	ELECTRONICS AND COMMUNICATIONS ENGINEERING	VLSI LAB	ZENITH AND ACER COMPUTERS
74	COMPUTER SCIENCE & ENGINEERING	WEB PROGRAMMING	DESKTOPS AND SERVER
75	INFORMATION SCIENCE AND ENGINEERING	WEB PROGRAMMING-ISE	DESKTOPS & SERVERS WITH LAN CONNECTIVITY
76	MECHANICAL ENGINEERING	WORKSHOP	Bench wise, Surface Plate, Files,
77	FIRST YEAR/OTHER	WORKSHOP LAB	Fitting vices, welding machine, Power hacsaw machine, grinding machine, surface plate, vernier