

Department of Computer Science & Engineering

Sl.No.	Name of the Lab	No. of PC's Available	First Aid Facility	Amount Spend Till Date		Budget for the Current Year		Name of the Equipments as per Scheme and Syllabus
				Equipments	Consumables	Equipments	Consumables	
1	Computer Lab 1	22	Yes	1197377	25,000		5,000	DELL SYSTEMS intel core i3 3.5 GHz 3b cache processor, 4GB DDR3, Logitech keyborad, mouse, dell monitor 19.5", espson multimedia projector, LG external DVD writer
2	Computer Lab 2	22	Yes	722570	20,000		5,000	Top Memory,Key Board and Memory,Cabenet Circle Smps,19.5. Dell Monitor,Logitech MK 200 Keyboard and Mouse, Intel core i5-444 os processor Raspberry Pi-Model B-512MB- Complete Kit (with 32GB SD card) Sensor Kit 300 Mps D-link nN300 Wireless USB Adapter. 5MP Camera for Raspberry Pi 32GB class4 SD card Raspberry Pi B+ 5V USB Power Adapter V8 USB Cable Network Patch card 8GB Class4 MicroSD card HDMI-VGI cable with Audio. Bread Board. 40 Pin Male to Female jumper wires. Raspberry Pi ,Strontium 8 GB Micro SD C-6HDMI VGI cable with Audio. Raspberry Pi Board Case-Rpi3 Black/white Raspberry Pi ZERO W Case Raspberry Pi ZERO Arduino UNO R3 Cable HDMI to VGA Sdcard 32 GB Class10 Bread Board-Full Size Camera 8 MP -Rpi Alcohol Sensor Module(MQ3).
3	Computer Lab 3	29	Yes	590900	10,000		5,000	DELL Otiplex (Refurbished) (Mixed 3010, 7010)(Intel Core i3-3220,4GB, (DDR3 Memory, 1TB HDD, Win-7 Pre-Loaded,18.5"LED)DELL and compac SYSTEMS intel core i3 3.5 GHz 3b cache processor, 4GB DDR3, Logitech keyborad, mouse, dell monitor 19.5", multimedia projector,

4	Computer Lab 4	22	Yes	1034622	10,000		5,000	DELL and compac SYSTEMS intel core i3 3.5 GHz 3b cache processor, 4GB DDR3, Logitech keyborad, mouse, dell monitor 19.5", multimedia projector,
5	Computer Lab 5	22	Yes	948926	15,000		5,000	DELL and compac SYSTEMS intel core i3 3.5 GHz 3b cache processor, 4GB DDR3, Logitech keyborad, mouse, dell monitor 19.5", multimedia projector,
6	Computer Lab 6	20	Yes	982776	30,000	1,00,000/-	10,000	Compaq Desktop(Pro3090,E7500,2GB DDR/160GB/3/3/3 Windows 07 pro,18.5 inch monitor ALSS-SDA-ARM7-9 ARM 2148 Evaluation Board.Power supply (5.v1.5a +/-12 v 100 MA),USB to serial converter,ALS-NFC-01 A Sttepper Motor,ALS-NIFC-05A Logic Controller interface,ALS-NIFC-06A Dual DAC interface,ALS-NIFC-38 Multipexed 7-segment display. ALS-PCI-07A Lines digital I/O Card with timer ALS-NIFc-38 Multiplexed 7 segment display,ALS-NIFC-LDR/Buzzer Interface Power supply
7	Computer Lab 7	32	Yes	1757725	5,000		5,000	DELL OtipleX (Refurbished) (Mixed 3010, 7010)(Intel Core i3-3220,4GB, (DDR3 Memory, 1TB HDD, Win-7 Pre-Loaded,18.5"LED) Multimedia Projector
8	Research Lab	14	Yes	2913423.11	10,000	-	--	DELL machines Intel Core I7-5960 Processor(8 Core,3.0 GHz) Asus X-99-A II DDR4 Mother Board 16 GB DDR4 3000MHz Corsair Vengeance LPX Memory 120GB Samsung SSD 750 EVO Hdd 1TB Seagate SSHD Desktop Harddisk HDD Brackets 2.5" to 3.5" Antec SMPS Cabinet Antec 19.5" Dell D2015H Monitor Intel Ethernet Converged Network Adapter X550T1 Logitech MK 200 Keyboard and mouse Intel Thermal Solution TS13A 6amps 3pin Top Mouse pad Zotac Geforce 6 GB DDR5 GTX 1060 Mini Graphics Card 1GB DDR3 Zotac GT710 Nvidia Geforce Graphics Card

1	Analog Electronics Lab	15	Yes	7,54,114/-	1,44,000/-	25,000/-	10,000/-	Cathode Ray Oscilloscope-30Mhz, Signal Generator-3Mhz, DC power supply 30V,2A, Digital Storage Oscilloscope, Digital Multimeter 3 3/4-digit VC97
2	Microprocessor Lab	10	Yes	3,34,011/-	10,000/-	-	-	48 Lines I/O Card, 4X4 Matrix Hex keypad, 4 Digit 7 Segment LED , Logic Controller , Elevator, Dual DAC , Stepper Motor Interface, LDR/Relay & Buzzer Interface , 16 Channel 8 Bit ADC Interface, PC (intel(R)Pentium(R)CPU G2030@3.00GHZ 2.99 GHZ,4 GB RAM HDD-500 GB, Microsoft windows XP Professional service pack 2, keyboard, mouse)
3	LIC + Communication Lab / Advanced Communication Lab	5	Yes	22,98,140/-	1,44,000/-	15,000/-	10,000/-	Cathode Ray Oscilloscope-30Mhz, Signal Generator-3Mhz, DC power supply 30V,2A, Digital Storage Oscilloscope 70Mhz, Digital Multimeter 3 3/4-digit VC97,Microwave test bench- Klystron & Gunn, Antenna Turn Table, Power Meter, Micro strip Components,ASK,FSK,PSK,DPSK,QPSK,PCM,OFC,TDM Kits
4	Digital Signal Processing Lab	20	Yes	17,04,428/-	10,000/-	-	5,000/-	DSP Starter kit TMS320C6748 DSP Starter Kit with latest version of code composer studio tool, MATLAB 2018a, Simulink, Communication System Tool Box, DSP System Tool Box, Signal Processing Tool box, Image Processing tool Box, Software CCS Vs License single user, Cathode Ray Oscilloscope-30Mhz, Signal generator-3Mhz
5	Hardware Descriptive Language Lab	15	Yes	4,20,550/-	10,000/-	25,000/-	5,000/-	ALS SDA FPGA 04 VHDL KIT PS & DAUGHTER BOARD, PC(intel(R)Pentium(R)CPU G2030@3.00GHZ 2.99 GHZ,4 GB RAM HDD-500 GB, Microsoft windows XP Professional service pack 2, keyboard, mouse)
6	Digital Electronics Lab	-	Yes	1,29,873/-	1,44,000/-	15,000/-	10,000/-	Digital IC trainer kit, Digital IC tester,PC-intel(R)Pentium(R)CPU G2030@3.00GHZ 2.99 GHZ,4 GB RAM HDD-500 GB, Microsoft windows XP Professional service pack 2, keyboard, mouse
7	VLSI Lab	12	Yes	10,24,090/-	10,000/-	-	5,000/-	Mentor Graphics HEP Category-1, Mentor Graphics HEP Category-2, PC-intel(R)Pentium(R)CPU G2030@3.00GHZ 2.99 GHZ,4 GB RAM HDD-500 GB, Microsoft windows XP Professional service pack 2, keyboard, mouse
8	Basic Electrical Engineering Lab	-	Yes	1,62,375/-	1,44,000/-	25,000/-	10,000/-	Auto Transformer 6A,2A, DC Power Supply (0-30V) 5A, Dual DC power Supply (0-30V) 5A, Ammeter,Voltmeter,Megger,Rheostat,portable UPF & LPF

9	Power Electronics Lab (Theory-Exercises)	-	Yes	5,59,942/-	1,44,000/-	-	10,000/-	Signal Generator -3Mhz, Speed Control of separately excited dc Motor, DC Shunt Motor-0.5 HP, Universal Motor, DC/universal motor control unit, Cathode Ray Oscilloscope-30Mhz, Digital Multimeter 3 3/4-digit VC97, Ammeter & Voltmeter, Isolation transformer 220v/5A, DC power supply 30V/2A Dual, Power electronics Kits
10	Embedded Controller Lab	17	Yes	1,74,720/-	10,000/-	-	5,000/-	Micro controller kit 8051, Arm Cortex M3 ,PC-intel(R)Pentium(R)CPU G2030@3.00GHZ 2.99 GHZ,4 GB RAM HDD-500 GB, Microsoft windows XP Professional service pack 2, keyboard, mouse
11	Computer Networks Lab	20	Yes	5,00,000/-	10,000/-	-	5,000/-	PC-intel(R)Pentium(R)CPU G2030@3.00GHZ 2.99 GHZ,4 GB RAM HDD-500 GB, Microsoft windows XP Professional service pack 2, keyboard, mouse

Department of Information Science & Engineering

Sl.No.	Name of the Lab	No. of PC's Available	First Aid Facility	Amount Spend Till Date		Budget for the Current Year		Name of the Equipments as per Scheme and Syllabus
				Equipments	Consumables	Equipments	Consumables	
8	Computer Lab 8	NIL	NIL	NIL	NIL	1570500	10000	30 Units of Dell Inspiron 8th Gen-Core-i5 Desktop /8GB RAM/ 1TB HDD/ Windows 10+ MS-Office /19.5" Monitor /Keyboard / Mouse.
9	Computer Lab 9	NIL	NIL	NIL	NIL	1570500	10000	30 Units of Dell Inspiron 8th Gen-Core-i5 Desktop /8GB RAM/ 1TB HDD/ Windows 10+ MS-Office /19.5" Monitor /Keyboard / Mouse.

Department of Mechanical Engineering

Sl.No.	Name of the Lab	No. of PC's Available	First Aid Facility	Amount Spend Till Date		Budget for the Current Year		Name of the Equipments as per Scheme and Syllabus
				Equipments	Consumables	Equipments	Consumables	
1	ENGINEERING GRAPHICS LAB	60	YES	235380		Nil	5000	SOLID EDGE ST 4 SOFTWARE
2	MACHINE DRAWING LAB		YES				5000	SOLID EDGE ST 4 SOFTWARE
3	MATERIAL TESTING LAB	2	YES	1721697	20000	Nil	25000	Universal Testing M/c , Torsion Testing M/c, Impact Testing M/c, Brinell & Rockwell Hardness Testing M/c, Vickers Hardness Testing M/c, Fatigue Testing Machine, Electronic ,Digital Weighing balance Digital Weighing balance, Ultrasonic Flaw detector, Magnetic Crack Detector, Trinocular Metallurgical Microscope with specimens, Double disc Polishing Instrument, Silicon Carbide rod Tilting Furnace, wear testing machine

4	FOUNDRY & FORGING LAB		YES	334784	8500	100000	20000	Universal Sand Testing M/c, Permeability Testing M/c, Clay Washer, Rapid Moisture tester, Tensile Strength Attachment, Mould Hardness Tester, Core Hardness Tester, Sand Rammer, Silicon Carbide rod Tilting Furnace, Mould boxes, Electronic Digital Weighing balance, Crucible , Electrical Specimen drier, Anvil, Swage Block, Moulding tool Kit
5	MECHANICAL MEASUREMENTS & METROLOGY LAB		YES	1248469.4	2500	Nil	35000	Profile Projector, Tool makers microscope , Floating carriage micrometer with standard accessories, Three wire set with Accessories, Sine bar , Sine centre, Gear tooth Vernier, Gear tooth micrometer, Calibration of LVDT, mild steel specimen using strain gauge, Autocollimator, Lathe tool dynamometer , Drill tool dynamometer , Slip gauges, Optical Flats, V – Block , Outside micrometer, Screw Thread Micrometer, Telescopic gauge set, Surf test, Thickness Gauge, Universal Bevel Protractor, Radius Gauge, Vernier height gauge, DIAL INDICATOR 20455-60, DIGIMATIC SOLAR CALIPER (0-150MM R-0.01MM), VERNIER CALIPER THUMB CLAMP 0-200 MM R-0.05MM, CALIBRATION OF PRESSURE GAUGE WITH PRESSURE SOURCE 1) HYDRAULIC PRESSURE SOURCE (0-300 KG/SQ.CMS) WITH CONTROLLED RELIEVE VALVES AND CHECK VALVES 2) PRESSURE SENSOR (0-200 KG/SQ.CMS) 3) with data acquisition system, CALIBRATION OF THERMO COUPLE WITH VARIABLE TEMPARATURE SOURCE (UP TO 100 DEGREE)SENSOR RANGE 1200 DEGREES RTD SENSOR WITH DIGITAL TEMPARATURE INDICATOR ALONG WITH DATA ACQUISITION SYSTEM, A) CALIBRATION OF LOAD CELL (RANGE - 2 KGS), B) DEADWEIGHTS : 1 GM x 3 NOS, 2GM x 2 NOS, SURFACE PLATE 1000 x 630 x 150 MM OF GRADE O WITH ANGLE STAND OF HEIGHT 3', 5GM x 4 NOS, 10 GM x 03 NOS, 20GMS x 1NO, 50 GMS x 2 NOS, 100 GMS x 3 NOS, 200GMS x 3 NOS, 500 GMS x 2 NOS,
6	MACHINE SHOP		YES	5601425.16+	16000	NIL	25000	Lathe Machine with Accessories, Shaping Machines with Accessories, Universal Milling Machines with Accessories, Radial Drilling Machine with Accessories, Surface Grinding Machine & Accessories , Tool Grinding Machine, Granite Surface Plates with stand, Vernier Caliper , Digital vernier

7	ENERGY LAB	4	YES	1334340	14750	350000	20000	Abel pensky & Marten's apparatus (closed), Cleveland apparatus (open cup), Abel's apparatus for flash & fire point, Boy's Gas calorimeter, Bomb Calorimeter, Redwood viscometer, Say-bolt viscometer, Torsion viscometer, Junker's Calorimeter, cut section model of 4-stroke diesel engine Single cylinder, cut section model of 4-stroke Petrol engine Single cylinder, cut section model of 2-stroke Petrol engine Single cylinder, 4-stroke, 4 cylinder diesel engine test rig, Hydraulic loading - water cooled (MORSE TEST RIG) with self starting , 4-stroke,1- cylinder diesel engine test rig, with self starting - Mechanical loading, 4-stroke, Petrol engine test rig , with self starting , Electrical loading (variable compression ratio), 2 stroke - petrol engine, with self starting , Electrical loading
8	FLUID MECHANICS & MACHINERY LAB	2	YES	1598420	1500	NIL	2000	PIPE FRICTION AND PIPE FITTING APPARATUS - (Major Losses & Minor Losses), Combined closed circuit set up Orifice meter, Venturi meter & Nozzle meter , Impact of Jet on Vanes, Calibration of Weir and Flume (Combined set up) , Calibration of Notches, Vertical Orifices & Mouth pieces: , Bernoulli's Equation, Pelton Wheel with multistage centrifugal pump (combined setup, Centrifugal Pump Test Rig (Single Stage) & Reciprocating Pump (Combined setup with common suction tank) , Francis & Kaplan Turbine combin ed setup, Two Stage Reciprocating Air Compressor Test Rig, Centrifugal Blower.
9	HEAT TRANSFER LAB	4	YES	1564070	2000	NIL	2000	Thermal Conductivity of a Metal Rod, Composite wall , Metallic Fin Apparatus, Free Convection , Forced Convection , Emissivity Apparatus, Stefan Boltzman Apparatus , Transient Conduction Heat Transfer , Vapour Compression Refrigeration , Vapour Compression Air Conditioner with humidity controls, Parallel Flow and Counter Flow heat Exchanger, Condensation of Vapour-drop and film wise apparatus , Boiling heat transfer apparatus (critical heat flux), Heat Pipe R&D Arrangement, Thermal Conductivity of Liquids (Vaccumized liquid type)
10	COMPUTER AIDED MODELLING & ANALYSIS LAB	36	YES	395000		NIL	3000	ANSYS 14.5 SOFTWARE 25 liscense

11	DESIGN LAB	4	YES	1228366	8000	Nil	10000	Journal Bearing setup, Universal Vibration setup (computerised) Simple Penulam (Manual), Combined units : Vibration on Beams (Free & Forced Vibration) & Spring Mass System, Torsion Vibration-UN Damped with single and double Rotor System, Curved Beam Setup, Whirling of Shaft, Motorized Gyroscope, Balancing of Rotating Masses, Computerised Polariscope, Computerised universal governors; Determination of equilibrium speed, sensitiveness, power and effort of porter / provel / Hartnel governor, Determination of principal stresses and strains in a member subjected to combined loading using strain rosettes
12	COMPUTER INTEGRATED MANUFACTURING LAB	36	YES	325000	0	NIL	3000	Edgcam Software-2014R1 15 liscence
				9985526.4	73250	450000	155000	

Department of Engineering Physics

Sl.No.	Name of the Lab	No. of PC's Available	First Aid Facility	Amount Spend Till Date		Budget for the Current Year		Name of the Equipments as per Scheme and Syllabus
				Equipments	Consumables	Equipments	Consumables	
1	physics lab	3	yes	4,57,558	57,000	70,000	20,000	1.Fermi energy
2								2. Laser source
3								3. Resonance
4								4. Spring Conmstant
5								5. Single cantiliver
6								6. Transistor characteristics
								7. Dielectric
								8. Newton's ring
								9. Numerical aperture
								10. Photo diode CHARACTERISTIC
								11. Magnetic intensity
								12. Torstional pendulum
						0		

Department of Engineering Chemistry

Sl.No.	Name of the Lab	No. of PC's Available	First Aid Facility	Amount Spend Till Date		Budget for the Current Year		Name of the Equipments as per Scheme and Syllabus
				Equipments	Consumables	Equipments	Consumables	
1	Chemistry	3	1	371764	621587	30000	60000	1)Potentiometer 2)pH meter 3)Conductometer 4)Colorimeter 5)Flamephotometer 6)Hot air oven