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| **LAB LOCATION DEPARTMENT WISE** | | | | |
| **S.NO** | **LAB NO./ LAB NAME** | **LOCATION** | **LAB EQUIPMENT AND**  **CONFIGURATION WITH QUANTITY** | **DEPARTMENT** |
| 1 | Civil cad lab | CSIT BLOCK FIFTH FLOOR | 30 systems: hp core i5. Processor, 8 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse, nisa software (no. Of user:05 nos), staad pro. | Civil Engineering |
| 2 | Fluid mechanics | ME BLOCK SECOND FLOOR | Venturi meter and orifice meter. R. K. Scientific 1  Apparatus for laminar and turbulent flow. R. K. Scientific 1  Apparatus for losses in pipe fitting. R. K. Scientific 1  Apparatus for metacentric height r. K. Scientific 1  Darcys law apparatus. R. K. Scientific 1  Impact of jet apparatus. R. K. Scientific 1  Surface tension apparatus. R. K. Scientific 1  Electrical analogy apparatus. R. K. Scientific 1  Conducting orifice & mouthpiece apparatus. R. K. Scientific 1  Rectangular notch & triangular notch. R. K. Scientific 1  Bernoulli’s theorum. R. K. Scientific 1 |
| 3 | Hydraulic & hydraulics machines lab | ME BLOCK GROUND FLOOR | 01)tilting bed flow channel (length 2.5 mtr, width 125mm, depth 200mm) |
| 4 | Building material and constructions lab | PROJECT LAB GROUND FLOOR | 01) aggregate crushing value app. (75mm dia)  01) aggregate crushing value app. (150mm dia)  01) aggregate impact test app with hammer of 13.75 kg, cylindrical cup a metal measure  and a tamping rod 10mm dia x 230mm long  04) le chatelier mould, conforming (30mm x 30mm), one split cylinder 30mm dia 30mm  high, two glass plate, one lead weight approximately 100g  01) le chatelier water bath  02) vicat apparatus , mould in the form of frustum of a cone 70mm bottom dia, 60mm top  dia and 40mm high with base plate, needle 1mm dia x 50mm long, plunger  10mm,19mm,12.5mm dia x 50mm,44.4mm,25mm long  06) cube mould 70.6mm, 150mm)  01) compression testing machine capacity 2000kn  01) density basket size 20cm dia 20cm high  01) tensile strength tester  01) briquette mould the minimum cross section of the briqueties cast is 25.4mm x 25.4mm  01) hot air oven inside chamber stainless steel with air circulating fan and digital  temperature controller, size 18” x 18” x 18”  01) electronic balance capacity 30kg  02) steel pan  13) sieve (set of sieve 200mm dia) |
| 5 | Concrete lab | PROJECT LAB GROUND FLOOR | 2) slump test apparatus with tamping rod and base plate   1. Compaction factor apparatus   1)aimil consistometer  1)flow table , motorised  1)edi compression testing machine 2000kn capacity  1) vibrating table , table top 750mm x 750mm , single phase  3) beam mould , 100mm x 100mm x 500mm specimens  3) cylindrical mould , cast iron , split lengthwise 150 mm dia x 300 mm high , with isi  certification mark is : 10086  12) mould cast iron for 150mm cube with isi certification mark is : 10086 & base plate  6) gauging trowel , 200mm long blade weight 210 gm     1. Tamping bar , steel 25mm x 25 mm square ramming face 400mm long , 2kg in weight with isi certification 2. Scoop, stainless steel capacity 2kg   4) steel scale , 300mm   1. Electronic balance 50kg x 5gm dz -50 , pan size 400x400mm   4) bucket capacity of 14 litre   1. Laboratory capacity 40 litres   1) digital flexure testing machine  1) curing tank for 12/24 moulds of 150mm /70.6mm size  4) mild steel pan (tasla)   1. Spade (fawra)   1) silver schmidt concrete test hammer pc , type n schmidt pc type n , battery charger with usb cable data carrier with software , carrying strap, grinding stone chalk , documentation & carrying bag  1) pundit lab + consisting of display unit , 2 transducers (54khz) , 2bnc cable 1.5m couplant , calibration rod , battery charger with usb cable , 4x aa(lr6) batteries ,data carrier with software , documentation and carrying case |
| 6 | Enviromental engineering lab | CSIT BLOCK FIFTH FLOOR | 01) dessicator with plate 8”  03) pipette stand  02) thermometer 0- 110 c  03) dropper 6”  01) spatula (ss)  03) silica crucible 25mm  02) measuring jug  01) ph meter  01) turbidity meter  01) tds meter  01) laboratory hot air oven  01) water bath |
| 7 | Geo-informatics lab | CSIT BLOCK FIFTH FLOOR | 01) total station with standard accessories, telescopic range pole, prism assy, tripod  02) electronic theodolite  03) handheld gps  03) auto level (360 deg)  03) mirror stereoscope 2/2  03) pocket stereoscope  03) prismatic compass  03) disto meter for direct distance measurement |
| 8 | Geotechnical lab | CSIT BLOCK FIFTH FLOOR | 1)triaxial testing apparatus comprising the following frame ,motorised ,50kn . Triaxial cell , for 38mm diameter specimen lateral pressure assembly (0-10 kg/cm ) proving ring 500kg cap ,, dial gauge 0.01x 25 mm , pore water pressure apparatus (01000kpa0  01) hs34.70 static cone penetrometer hand operated 30kn  01) three gang bench type consolidometer  01) direct shear apparatus motorised, supplied complete with proving ring and 02nos. Of dial gauge of 0.01 x 25mm  01) laboratory cbr test apparatus motorised is: 2720 part - 16  01) standard penetration test  01) universal permeameter is: 2720part - 17  01) sieve shaker motorised  01) adopter for 300mm dia sieve  01) dynamic cone  01) hot air oven  01) electronic balance  02) liquid limit device hand operated with counter  01) rapid moisture meter  01) glass desiccator  01) auger outfit  02) plastic limit apparatus  06) pycnometer  01) hydrometer  02) hydrometer glass jar |
| 9 | Structural analysis lab | CSIT BLOCK FIFTH FLOOR | 01) apparatus for verification of clerk’s maxwell reciprocal theorem  01) three hinged arch apparatus  01) two hinged arch apparatus  01) curved member apparatus  01) deflection of trust apparatus  01) behavior of column & struts  01) unsymmetrical bending apparatus  01) flexural rigidity (ei)  01) redundant joint apparatus |
| 10 | Survey lab | CSIT BLOCK FIFTH FLOOR | 02) vernier transit theodolite size 175mm  03) levelling staff size 4mtr  03) survey compass size 100mm  12) surveying chain 30mtr  06) metallic tapes  03) tilting level |
| 11 | Transportation lab | PROJECT LAB GROUND FLOOR | 01) los angels abrasion testing machine is: 10070-1982 with 1.7mm  01) marshall apparatus electrically operated) astm d- 1559 with proving ring & dial gauge  01) ductility testing machine  01) film stripping device (electrically operated)  02) flash & fire point apparatus  02) ring & ball apparatus  01) centrifuge extractor  01) universal penetrometer with automatic time controller  01) water bath for bitumen sample  01) electronic balance capacity 0.5 kg readability 0.1gm  01) aggregate impact test apparatus with automatic blow center  01) aggregate impact test apparatus (150mm)  01) hot plate, 200mm dia  10) standard test sieves size 300,100,80,63,40,25,20,12.5,4.75,6.3mm & lid, pan  01) density basket  02) length gauge  02) thickness gauge |
| 12 | M.tech. Cse research & development lab | CSIT BLOCK THIRD FLOOR | Lenovo intel core i3 / 3.40 ghz/10 gb ram / 500 gb hdd / 18.5" led monitor/ kbd/ mouse -**36 no**.  Hp intel core i5/3.0 ghz /8 gb ram / 1 tb hdd /18.5 " led monitor / kbd /mouse/ -**01 no.**  Printer**-01** **no**. , projector-**01 no.** | Computer Science & Engineering |
| 13 | Algorithm lab | CSIT BLOCK FOURTH FLOOR | Hp intel core i5 /3.0 ghz /10 gb ram / 500 gb hdd /18.5 " led monitor / kbd /mouse -**37 no.**  Printer-**01 no.** |
| 14 | Artificial intelligence lab | CSIT BLOCK THIRD FLOOR | Hp core i3/3.10 ghz /10 gb ram / 500 gb hdd /18.5 " lcd monitor / kbd /mouse -**37 no.**  Printer-**01 no.** |
| 15 | Basic application development lab | CSIT BLOCK FOURTH FLOOR | Hp intel core i5/3.0 ghz /10 gb ram / 500 gb hdd/ 18.5 " led monitor / kbd /mouse -**30 no.**  Lenovo intel core i3 /3.40 ghz /10 gb ram / 500 gb hdd /18.5 " led monitor, 2 crt & 2 15" tft / kbd /mouse -**07 no**.  Printer-**01 no.** |
| 16 | Compiler lab | CSIT BLOCK THIRD FLOOR | Hp core i3/3.10 ghz /10 gb ram / 500 gb hdd /18.5 " lcd monitor / kbd /mouse -**25 no**.  Hp core i3/2.90 ghz /10 gb ram / 500 gb hdd /18.5 " led monitor / kbd /mouse -**12 no.**  Printer-**01 no.** |
| 17 | Computer programming lab | CSIT BLOCK FOURTH FLOOR | Hp intel core i5/3.0 ghz /10 gb ram / 500 gb hdd/ 18.5 " led monitor / kbd /mouse -**30 no.**  Lenovo intel core i3 /3.40 ghz /10 gb ram / 500 gb hdd /18.5 " led monitor, 2 crt & 2 15" tft / kbd /mouse -**07 no**.  Printer-**01 no.** |
| 18 | Data structure lab | CSIT BLOCK FOURTH FLOOR | Hp core i5/3.0 ghz /10 gb ram / 500 gb hdd /18.5 " lcd monitor / kbd /mouse -**35 no**.  Lenovo intel core i3 / 3.40 ghz/10 gb ram / 500 gb hdd / 18.5" led monitor/ kbd/ mouse -**01 no**.  Printer-**01 no.** |
| 19 | Dbms lab | CSIT BLOCK FOURTH FLOOR | Hp core i3/2.90 ghz /10 gb ram / 500 gb hdd /18.5 " lcd monitor / kbd /mouse-**37 no.**  Printer-**01 no.** |
| 20 | Distributed system lab | CSIT BLOCK THIRD FLOOR | Hp core i3/3.10 ghz /10 gb ram / 500 gb hdd /18.5 " lcd monitor / kbd /mouse -**37 no.**  Printer-**01 no.** |
| 21 | Operating system lab | CSIT BLOCK FOURTH FLOOR | Hp intel core i5 /3.0 ghz /10 gb ram / 500 gb hdd /18.5 " led monitor / kbd /mouse -**37 no.**  Printer-**01 no.** |
| 22 | M.tech. Cse lab | CSIT BLOCK THIRD FLOOR | Lenovo intel core i3 / 3.40 ghz/10 gb ram / 500 gb hdd / 18.5" led monitor/ kbd/ mouse -**36 no**.  Hp intel core i5/3.0 ghz /8 gb ram / 1 tb hdd /18.5 " led monitor / kbd /mouse/ -**01 no.**  Printer**-01** **no**. , projector-**01 no.** |
| 23 | Advanced programming lab | CSIT BLOCK THIRD FLOOR | Hp core i3/3.10 ghz /10 gb ram / 500 gb hdd /18.5 " lcd monitor / kbd /mouse -**25 no**.  Hp core i3/2.90 ghz /10 gb ram / 500 gb hdd /18.5 " led monitor / kbd /mouse -**12 no.**  Printer-**01 no.** |
| 24 | Cse project lab | CSIT BLOCK FOURTH FLOOR | Hp intel core i5/3.0 ghz /10 gb ram / 500 gb hdd/ 18.5 " led monitor / kbd /mouse -**08 no.**  Hp intel core i5/3.0 ghz /8 gb ram / 1 tb hdd /18.5 " led monitor / kbd /mouse -**08 no**.  Hp intel core i3 /2.90 ghz /10 gb ram / 500 gb hdd/ 18.5 " led monitor/kbd/ mouse -**03 no.**  Hp intel core i3 /3.10 ghz /10 gb ram / 500 gb hdd/ 18.5 " lcd monitor/kbd/ mouse -**01 no.**  Lenovo intel core i3 / 3.40 ghz/10 gb ram / 500 gb hdd / 18.5" led monitor/ kbd/ mouse -**10 no**.  Projector-**01 no.** |
| 25 | Computer graphics lab | CSIT BLOCK THIRD FLOOR | Hp core i5/3.0 ghz /10 gb ram / 500 gb hdd /18.5 " lcd monitor / kbd /mouse -**35 no**.  Lenovo intel core i3 / 3.40 ghz/10 gb ram / 500 gb hdd / 18.5" led monitor/ kbd/ mouse -**01 no**.  Printer-**01 no.** |
| 26 | Electrical machine lab | BACK BLOCK GROUND FLOOR | Digital techometer (0-9999 rpm) - 4 no.  Analog techometer (0-9999 rpm) - 1 no.  Single phase transformer (2kva, 230/230v, 50%, 86.6%, 100% tapping) - 3  No.  Dc compound motor (1hp, 4a, 220v, 1250rpm) - 2 no.  Dc compound motor (1kw, 4a, 220v, 1500rpm) - 1 no.  Dc motor+alternator + excitor set - 1 no.  Dc motor + generator set (1kw, 4a, 220v, 1500rpm) - 1 no.  Loading rheostat (2.5 kw, 220v. 10amp) - 1 no.  Dc series motor (1hp, 1500 rpm) - 1 no.  Dc power supply unit (input:- 3phase, output:- 240v, 50a dc) - 1 no.  Inductive load (3 phase, 415v, 10a) - 1 no.  Squirrel cage induction motor (5hp, 3phase, 415v 1440rpm, 50 hz)  With star delta starter - 1 no.  &quot;v curve set  Synchronous motor:- 3 phase, 4.3a, 1500rpm, 415v, 50hz, dc shunt  Generator:- 1.5kw, 6.5a, 1500rpm, 230v, excitor:- 230v dc generator. - 1  No.&quot;  &quot;motor+generator set (set of 2) for parallel operation of  Alternators  Dc shunt motor:- 3hp, 230v, 1500rpm, alternators:- 3 phase, 4wire,  2kva, 1500rpm, 415v, 50hz, with one panel - 2 no.&quot;  Ac ammeter 0-5/10a - 8 no.  Ac ammeter 0-2.5/5a - 11 no.  Dc ammeter 0-2.5/5a - 10 no.  Dc ammeter 0-10/20a - 3 no.  Ac voltmeter (150/300/600 v) - 12 no.  Upf wattmeter (0-400w, 2.5/5a, 150/300/600v) - 10 no.  Upf wattmeter (0-750w, 5/10a, 150/300/600v) - 4 no.  Upf wattmeter (0-75w, 2.5/5a, 150/300/600v) - 5 no.  Three phase dimmerstat (15a 0-470v) - 4 no.  Single phase dimmer 10a - 9 no.  Slip ring induction motor - 2 no.  Dc shunt motor (3hp) + dc shunt generator (2kw) - 1 no.  Induction motor (3hp) - 2 no.  Dc compound motor (2.2kw) - 2 no.  Dc compound motor (2.2kw, 230v, 1500rpm) + alternator set (2kva, 3  Phase, 415v) - 1 no.  Three phase transformer (3kva, 400/400v) - 1 no.  Rheostat - 5 no.  Dso 50mhz (2 channel) - 1 no.  Single phase transformer (2kva, 440/220v, 4.5/9a) - 4 no.  Single phase transformer (1kva, 230/230v, 4.3/4.3a) - 2 no.  Dc motor starter (4 point) - 1 no.  Digital multimeter - 5 no.  Ac voltmeter (0-150/300v) - 4 no.  Dc ammeter (0-5/10a) - 2 no.  Single phase dimmer (15a) - 1 no.  Single phase transformer (1kva) - 4 no.  & computer  Hp-15(280gbmt) hdd 500gb, ram-8gb, hp led monitor - 3 no.&quot;  Brushless dc motor trainer - 1 no.  Transformer trainer including 1. Single phase transformer - 02  Nos. 2. Three phase transformer - 01 no. 3. Three phase variac - 01  No. 4. Panel - 01 no - 1 no.  Vvvf trainer - 1 no.  Dc portable voltmeter - 4 no.  Power scope - 1 no.  Dc compound motor - 1 no.  Digital clamp meter - 1 no.  Rhestat 1200 ohm, 1.2amp - 1 no.  Rhestat 600 ohm, 1.4amp - 1 no.  Xpo emt /3 slim with 4\*2flat demo penel - 1 no.  Amp meter (0 - 1/2 a) - 1 no. | Electrical And Electronics Engineering |
| 27 | Electrical workshop-2 | BACK BLOCK GROUND FLOOR | Series parallel kit - 1 no.  Stair case demo kit - 1 no.  Fluoroscent tube demo kit - 1 no.  Distribution board - 1 no.  Rectifier kit (hw &amp; fw) - 1 no.  Earth tester - 1 no.  Charts - 3 no.  House/ commercial wiring installation trainer including prtable drill machine - 1 no.  8&quot; plier - 1 no.  Pie kit (screw driver) - 1 no.  Pie wire stripper &amp; cutter - 1 no. |
| 28 | M.tech microprocessor lab | ADMINISTRATIVE BLOCK GROUND FLOOR | Microprocessor trainer kit (8085 ad lcd) - 5 no.  Microprocessor trainer kit (8086 ad lcd) - 15 no.  Power supply for 8086 microprocessor kit - 10 no.  Expension board - 3 no.  Stepper motor controller - 2 no.  Dsp starter kit (tms320c6713) - 3 no.  8086 microprocessor training kit (et8086-ad-lcd-ps) - 10 no.  8051 microcontroller trainer kit (et-89c51rd2) - 2 no.  Microcontroller trainer kit (pic 16f877) - 2 no.  Digital storage oscilloscope (1052b) - 2 no.  89c51rd2 embedded trainer kit - 1 no.  8086 microprocessor training kit with smps - 1 no.  Temperature controller with mini oven - 1 no.  Tms320c6748 dsp development kit - 3 no.  Ccd camera with lense &amp; power adopter - 2 no.  8257 dma study card - 5 no.  8251 (usart) study card - 5 no.  Traffic light controller module - 5 no.  Raspberry pi 3 module b+ - 5 no.  Aurdino uno r3 development board - 5 no.  Finger print sensor module - 2 no.  Rfid reader module - 2 no.  Sound sensors - 2 no.  Air quality control gas sensor - 2 no.  Soil moisture sensor module - 2 no.  Microflow sensor - 2 no.  Head phone - 3 no.  Micro sd card reader/ otg card reader - 1 no.  Remote control pointer clicker - 1 no.  Advance microprocessor traininbg kit based on 8085 with lcd display - 3 no.  Universal programmer - 1 no.  Oshonsoft simulator for 8085 microprocessor kit - 1 no. |
| 29 | Power system lab | ADMINISTRATIVE BLOCK GROUND FLOOR | Idmt over current relay - 1 no.  Static inverse time over current relay - 1 no.  Voltage polarised single pole directional relay - 1 no.  Single pole directional idmt earth/fault relay - 1 no.  Single pole instantaneous over current relay - 1 no.  Single phase directional relay - 1 no.  Micom software relay - 1 no.  Transfrmer oil testing set (0-60 kv) - 1 no.  Loading rheostat (3 kw,220v,10 a) - 1 no.  Rheostat(500ohm,1.2amp) - 1 no.  Varic (15 amp,270 volt) - 6 no.  Ac ammeter (0-2.5/5 a) - 1 no.  Dc ammeter (0-2.5/5 a) - 1 no.  Ac ammeter (0-5/10 a) - 3 no.  Ac/dc ammeter (0-5/10 a) - 2 no.  Digital timer - 2 no.  Power scope (cro) - 2 no.  Phase shifting trasformer (500 va , 415v) - 2 no.  Clamp on multimeter - 1 no.  Ac ammeter(0-1/2 a) - 4 no.  Desktop (computer) - 5 no.  Cable fault locator - 1 no.  Numerical based idmt over current realy - 1 no.  Distance protection relay - 1 no. |
| 30 | Control system lab | ADMINISTRATIVE BLOCK GROUND FLOOR | A c servomotor speed torque (acs-01) - 2 no.  A c servo volatge stabilizer - 1 no.  Compensation design kit (cd-02) - 1 no.  Dc position control kit (dcp-01, scl 106) - 3 no.  Dc speed control kit (dcs-01, scl 107) - 3 no.  Digital control system kit - 1 no.  Linear system simulator kit - 3 no.  Pid controller kit - 1 no.  Stepper motor study - 2 no.  Synchro transmitter &amp; reciever sd-01 - 2 no.  Temperature controller system - 2 no.  C r o (20mhz,25mhz,30mhz) - 4 no.  D s o 1052b (50mhz) - 2 no.  Inverted pendulum trainer ((xpo-pid) - 1 no.  Fuzzy logic trainer (xpo-fuzzy) - 1 no.  Industrial plc trainer (xpo-plc) - 1 no.  Hp desktop computer (i3 10gb ram) - 12 no.  Printer hp 1020 - 1 no.  Potential error dector by angular - 1 no.  Actuators stepper motor - 1 no. |
| 31 | Electrical & elctronics cad lab | ADMINISTRATIVE BLOCK GROUND FLOOR | Hp desktop computer (i5 10gb ram) - 30 no.  Digsilent power factory - 25 users  P s cadx4(v4 6.3) - 10 users  Orcade university pspice software - 20 users  Matlab 2021b - 10 user |
| 32 | Electrical design and fabrication lab | ADMINISTRATIVE BLOCK GROUND FLOOR | Hp desktop computer (i5 10gb ram) - 30 no.  Digsilent power factory - 25 users  P s cadx4(v4 6.3) - 10 users  Orcade university pspice software - 20 users  Matlab 2021b - 10 user |
| 33 | Electrical engg. Lab | ADMINISTRATIVE BLOCK GROUND FLOOR | Analog techometer 0-10000 rpm - 1 no.  Wattmeter (upf) 2.5/5a,150/300/600v, 0-400w - 1 no.  Wattmeter (upf) 5/10a ,50/100v, 0-50w - 1 no.  Wattmeter (upf) 2.5/5a, 150/300v , 0-75w - 2 no.  Wattmeter (lpf) 2.5/5a,150/300/600v,,cos = 0.2, 0-75w - 2 no.  Wattmeter (lpf) 1/2a, 150/300/600v,cos =0.2 0-30w - 1 no.  Wattmeter (upf) 5/10a ,50/100v, 0-700w - 2 no.  Wattmeter (upf) 1/2a ,50/100v, 0-150w - 1 no.  Wattmeter (upf) 2.5/5a,150/300/600v, 0-400w - 2 no.  Wattmeter (lpf) 1/2a ,75/150/300v, 0-15w - 4 no.  Wattmeter (lpf) 2.5/5a ,75/150/300v, 0-75w - 2 no.  Wattmeter (lpf) 2.5/5a ,75/150/300v, 0-30w - 2 no.  Wattmeter (upf) 5/10a ,50/100v, 0-750w - 1 no.  Wattmeter (lpf) 2.5/5a ,75/150/300v, 0-175w - 2 no.  Ac volt meter (150/300/600v) - 2 no.  Ac /dc volt meter (150/300/600v) - 4 no.  Ac /dc volt meter (150/300/600v) - 2 no.  Ac /dc wave shoping ckt.(p2) - 1 no.  Ac /dc am meter 5/10a - 1 no.  Ac ammetr (0-10/20a) - 3 no.  Ac ammetr (0-5/10a) - 1 no.  Ac ammetr (0-2.5/5a) - 1 no.  Ac ammetr (0-2a) - 1 no.  Ac ammetr (0-1/2a) - 1 no.  Dc ammeter (0-25/50ma) - 2 no.  Dc mili ammeter (0-25/50ma) - 1 no.  Dc ammeter (0-5a) - 1 no.  Dc ammeter (0-10a) - 2 no.  Dc ammeter (0-15a) - 1 no.  Dc ammeter (0-5/10a) - 2 no.  Dc ammeter (0-10/20a) - 3 no.  Digital dc mil iammeter(0-20ma) - 1 no.  Digital dc mil iammeter(0-50ma) - 1 no.  Dc pawer supply - 1 no.  Dc multiple pawer supply - 2 no.  Dc volt meter ( 0-25/50v) - 2 no.  Dso - 2 no.  Digital techometer ( 0-9999rpm) - 1 no.  Digital multimeter - 2 no.  Single phase variac 0-270v,240v,8a - 2 no.  Single phase variac 0-270v,240v,4a - 4 no.  Three phase variac 0-470v, 8a - 2 no.  Cro - 2 no.  Frequincy meter - 1 no.  Function generator 1mhz. - 1 no.  Function generator 1mhz. - 1 no.  Rectifier 440v, 3ph. Ac ,output-250v dc,30a,7.5kw - 1 no.  Three phase induction motor - 1 no.  Motor-genrator set - 1 no.  Single phase motor 400w - 1 no.  Lcr circuit trainer - 1 no.  Pawer fector meter (0-150/300/600v) - 1 no.  P1 panal -(stand line) or b-h loop kit - 1 no.  Single phase transformer 2kva - 1 no.  Theorem kit(thevenin, norton, millman, max. T.) - 1 no.  Theorem kit(thevenin, norton, millman, max. T.) - 2 no.  Single phase energy meter - 1 no.  Digital dc mil iammeter(0-100ma) - 4 no.  Digital wattmeter - 4 no.  Capacitor bank - 1 no.  Over line cable 11kv,33kv - 2 no.  Pin type insulator 11kva - 1 no.  Suspensition type insulator 11kva - 1 no.  Strain type insulator 11kva - 1 no.  Digital voltmeter (0-600v) - 5 no.  Digital voltmeter (0-150/300/600v) - 4 no.  Digital ammeter (0-10amp.) - 5 no.  P1 panal -(stand line) or b-h loop kit - 2 no.  Lcr circuit trainer - 2 no.  Lcr circuit trainer - 2 no. |
| 34 | Electrical instrumentation lab | ADMINISTRATIVE BLOCK SECOND FLOOR | Lvdt trainer kit. - 1 no.  Torque trainer kit. - 1 no.  Pressure trainer kit - 3 no.  Thermal trainer kit - 1 no.  Linear displacement trainer kit - 1 no.  Strain gauge trainer kit - 2 no.  Dmm trainer kit - 1 no.  Adc interface kit (adc-0809) - 1 no.  Dual dac interface kit (dac-0800) - 1 no.  Strain measurement tutor kit - 1 no.  Adc two method 8 bit kit - 1 no.  Dac two method 8 bit kit - 1 no.  Potentionmeter displacement kit - 1 no.  Tempture transducer trainer kit - 1 no.  Acquisition data of rtd system - 1 no.  Proximity sensor kit - 1 no.  Ecg/emg study expt panel - 1 no.  Ultrasonic transducer trainer kit - 1 no.  Measurement of water level trainer - 1 no.  Light sensing transducers - 1 no.  Vibration sensor &amp; air flow sensor - 1 no.  Rtd thermocouple of thermister kit - 1 no. |
| 35 | Electrical workshop i | ADMINISTRATIVE BLOCK GROUND FLOOR | Series parallel kit - 1 no.  Stair case demo kit - 1 no.  Fluoroscent tube demo kit - 1 no.  Distribution board - 1 no.  Rectifier kit (hw &amp; fw) - 1 no.  Earth tester - 1 no.  Charts - 3 no.  House/ commercial wiring installation trainer including prtable drill machine - 1 no.  8&quot; plier - 1 no.  Pie kit (screw driver) - 1 no.  Pie wire stripper &amp; cutter - 1 no. |
| 36 | Emmi lab | ADMINISTRATIVE BLOCK SECOND FLOOR | Shering bridge - 3 no.  Wein&#39;s bridge - 3 no.  Andreson bridge - 3 no.  Kelwin bridge - 2 no.  Megger - 1 no.  Maxwell bridge - 4 no.  Earth tester - 1 no.  Hay&#39;s bridge - 4 no.  Owen&#39;s bridge - 2 no.  Dc source - 1 no.  Spot galvanometer - 1 no.  Function generator (1mhz) - 3 no.  Power supply - 2 no.  Dc voltmeter (0-150-300 v) - 1 no.  Ac voltmeter (0-150-300-600 v) - 1 no.  Wattmeter (400 w , 2.5/5 a) - 1 no.  Ac ameter (0-5/10 a) - 2 no.  Oscillator (1khz) - 2 no.  Semi conductor voltmeter kit - 1 no.  Radio reciever characterstics set - 1 no.  Dso (tektronix) - 1 no.  Decade resistance box - 2 no.  Lcr meter - 3 no.  Desauty bridge - 1 no.  Electrical parameter measurement panel - 1 no.  Encoder expt panel - 1 no.  Voltage / current / energy / watt measurement trainer kit - 1 no.  Sensor trainer kit (piezo electric transducer) - 1 no.  Sensor trainer kit (speed transducer) - 1 no. |
| 37 | Microprocessor lab | ADMINISTRATIVE BLOCK GROUND FLOOR | Microprocessor trainer kit (8085 ad lcd) - 5 no.  Microprocessor trainer kit (8086 ad lcd) - 15 no.  Power supply for 8086 microprocessor kit - 10 no.  Expension board - 3 no.  Stepper motor controller - 2 no.  Dsp starter kit (tms320c6713) - 3 no.  8086 microprocessor training kit (et8086-ad-lcd-ps) - 10 no.  8051 microcontroller trainer kit (et-89c51rd2) - 2 no.  Microcontroller trainer kit (pic 16f877) - 2 no.  Digital storage oscilloscope (1052b) - 2 no.  89c51rd2 embedded trainer kit - 1 no.  8086 microprocessor training kit with smps - 1 no.  Temperature controller with mini oven - 1 no.  Tms320c6748 dsp development kit - 3 no.  Ccd camera with lense &amp; power adopter - 2 no.  8257 dma study card - 5 no.  8251 (usart) study card - 5 no.  Traffic light controller module - 5 no.  Raspberry pi 3 module b+ - 5 no.  Aurdino uno r3 development board - 5 no.  Finger print sensor module - 2 no.  Rfid reader module - 2 no.  Sound sensors - 2 no.  Air quality control gas sensor - 2 no.  Soil moisture sensor module - 2 no.  Microflow sensor - 2 no.  Head phone - 3 no.  Micro sd card reader/ otg card reader - 1 no.  Remote control pointer clicker - 1 no.  Advance microprocessor traininbg kit based on 8085 with lcd display - 3 no.  Universal programmer - 1 no.  Oshonsoft simulator for 8085 microprocessor kit - 1 no. |
| 38 | Network analysis & synthesis | ADMINISTRATIVE BLOCK GROUND FLOOR | Ac single phase rlc - 2 no.  Active filter trainer kit - 2 no.  Cro (30 mhz) - 3 no.  Dc ammeter (0-250 ma) - 5 no.  Dc micro ammeter (100 micro amp) - 2 no.  Dc micro ammeter (500 micro amp) - 2 no.  Dc milli ammmeter (10/20 ma) - 2 no.  Dc milli ammmeter (50/100 ma) - 3 no.  Dc milli voltmeter (250/500mv) - 2 no.  Dc milli voltmeter (50/100mv) - 2 no.  Digital multimeter - 2 no.  Dso (50 mhz) - 4 no.  Dual power supply - 1 no.  Dual trace cro (20 mhz) - 4 no.  Frequency response of rlc circuit - 2 no.  Function generator (10 mhz) - 3 no.  Function generator (1mhz) - 8 no.  Function generator (3mhz) - 3 no.  Function generator (40 mhz) - 2 no.  Interconnection of two port network - 2 no.  Kirchoff&#39;s law kit - 2 no.  Maximum power transfer theorem with digital meter - 1 no.  Multiple power supply - 3 no.  Multiple power supply (dc) - 2 no.  Networks theorem kit - 2 no.  Opamp as active filter - 1 no.  Rlc resonant kit - 2 no.  T &amp; pi network trainer kit - 1 no.  Tellegen&#39;s theorem kit with digital meter - 1 no.  Thevenin&#39;s &amp; norton&#39;s theorem kit with digital meter - 1 no.  Transient response of rc circuit - 1 no.  Transient analysis of rc/rl cricuit - 1 no.  Transient response of rlc circuit - 4 no.  Triple power supply - 2 no.  Two port ladder network - 1 no.  Two port network parameter kit - 2 no.  Two port network trainer kit - 1 no.  Two port z &amp; h parameters - 1 no.  Voltmeter (0-200v) - 5 no. |
| 39 | Power electronics lab | ADMINISTRATIVE BLOCK GROUND FLOOR | Auxiliary commutation kit - 1 no.  R c trigger circuit kit - 1 no.  Vi characteristic of scr kit - 1 no.  Ujt trigger circuit kit - 1 no.  Chopper circuit - 1 no.  Speed control of ac motor using triac kit - 1 no.  Complimentary commutation kit - 1 no.  Cro (20mhz,30mhz) - 2 no.  Single phase half wave&amp;full wave rectifier kit - 1 no.  Dso 1052b (25mhz) - 2 no.  Power electronics traner (xpo-pe) - 2 no.  Converter/inverter panel(pe1) - 1 no.  Differential power scope - 2 no.  3 phase hv thyristor control trainer (xpo-hvdc) - 1 no.  &quot;3 phase, 1 hp induction motor  1440rpm,415/230,0.24a - 1 no.&quot;  Dc shunt/series motor - 1 no.  3 phase auto transformar - 1 no.  Dv/dt protection &amp;firing circuit - 1 no.  Scr application (xpo-pe) - 1 no.  Single phase duel converter trainer with pmdc motor(xpo-spdc) - 1 no. |
| 40 | Simulation lab | ADMINISTRATIVE BLOCK GROUND FLOOR | Hp desktop computer (i5 10gb ram) - 30 no.  Digsilent power factory - 25 users  P s cadx4(v4 6.3) - 10 users  Orcade university pspice software - 20 users  Matlab 2021b - 10 user |
| 41 | M.tech. Ece lab | BACK BLOCK FIRST FLOOR | Dso, cro, power supply, function generator, spectrum analyzer, working board and kits, microprocessors and microcontroller kits, computer and components etc. | Electronics & Communication Engg |
| 42 | M.tech. Ece simulation and research lab-ii | BACK BLOCK SECOND FLOOR | Netsim software (5 user), optisystem software (3 user), matlab software (20 user), hfss software for rf & antenna design (5 user), multisim software (15 user), ultiboard tool (01), computers, printer etc. |
| 43 | Analog circuits lab | BACK BLOCK FIRST FLOOR | Dso, cros,function generators, pulse generators,ammeters,voltmeters, power supply –triple and multiple, computer, different kits |
| 44 | Antenna & microwave engg. Lab | BACK BLOCK FIRST FLOOR | Hfss antenna tool (5 user), computers, antenna related kits and setups with mic components, radiation pattern of linear antennas, microwave benches along with microwave components with reflex klystron and gunn setup, spectrum analyser etc. |
| 45 | Basics electronics & electronic devices lab | BACK BLOCK FIRST FLOOR | Dso, cros,function generators, pulse generators,ammeters,voltmeters, power supply –triple and multiple, computer, different kits |
| 46 | Basics electronics & pcb design cum mini project lab | BACK BLOCK FIRST FLOOR | Orcad pspice & pcb bundle (10 user), pcb prototype & antenna fabrication machine with software, tina software (01 user), sprint pcb software (unlimited user), computers, printer, pcb curing machine, dual size uv exposure, photoresist dip coater, pcb drilling machine etc. |
| 47 | Cad of electronics lab | BACK BLOCK FIRST FLOOR | Orcad pspice & pcb bundle (10 user), xilinx software (unlimited user), spartan fpga kits/boards, computers and other s/w like tanner (35 user), cadence (10 user), vivado university tool (25 user)with zedboard kit (01 user) |
| 48 | Communication engg. Lab | BACK BLOCK FIRST FLOOR | vissim / comm. 8.0 suite software (10 user), cros, digital storage oscilloscope modulation and demodulation, coding-decoding kits and comm. Systems kits, computers, spectrum analyser, measurement of temp using rtd, dso, cro, function generator, telemetry and comm., fourier synthesis trainer kits |
| 49 | Control system lab-1 | BACK BLOCK FIRST FLOOR | Matlab software (20 + 5 user), computers |
| 50 | Data structure and programming lab | BACK BLOCK SECOND FLOOR | C, c++ language and programming software tools and computers |
| 51 | Digital communication lab | BACK BLOCK FIRST FLOOR | Vissim / comm. 8.0 suite software (10 user), cros, digital storage oscilloscope modulation and demodulation, coding-decoding kits and comm. Systems kits, computers, spectrum analyser, measurement of temp using rtd, dso, cro, function generator, telemetry and comm., fourier synthesis trainer kits |
| 52 | Digital signal processing (dsp) lab | BACK BLOCK FIRST FLOOR | Matlab software (20 +5 user), computers, dsp trainer kits, multiple power supply kits along with headsets etc. |
| 53 | Digital system design lab | BACK BLOCK SECOND FLOOR | Power supply, func. Generator, oscilloscopes, digital trainer kit, dmm, 8085 microprocessor kit, power supply for microprocessor kit, digital ic tester, computer |
| 54 | Ece project lab | BACK BLOCK SECOND FLOOR | Pcb prototype, orcad pspice & pcb bundle (10 user), cros, function generators, multimeters , dso, lcrq meter, solder irons, pcb making components & consumables, computers and software tool etc. |
| 55 | Electronic circuit design lab | BACK BLOCK SECOND FLOOR | Multisim software (15 user), ultiboard tool (01 user), orcad pspice & pcb bundle (10 user), tanner software (35 user), computers, dso/cro, power supply, function generator and multimeters etc. |
| 56 | Electronics measurement & instrumentation lab | BACK BLOCK SECOND FLOOR | cros, function generators, dso, power supplies, radio receiver measurement kit, bridge circuits kit, transducer measurement kits, thermocouple kits, parameter measurement and instrumentation kits |
| 57 | Integrated circuits lab | BACK BLOCK FIRST FLOOR | Ti-analog system alsk pro kits, trainer boards, ic tester, cros, function generators, dso, power supplies, analog trainer kit, study cards (cmrr, pll, a/d, d/a, i/v, v/i), multimeter, current source and multimeters |
| 58 | Microcontrollers for embedded system lab | BACK BLOCK SECOND FLOOR | Cros, function generators, various study card, smps, computers, ti based microcontroller kits / modules with software |
| 59 | Microprocessors & microcontrollers lab | BACK BLOCK SECOND FLOOR | Power supply, func. Generator, oscilloscopes, digital trainer kit, dmm, microprocessor & microcontrollers kits and simulation software, power supply for microprocessor kit, digital ic tester, computers, ti based mp & mc kits |
| 60 | Optical communication & networking lab | BACK BLOCK FIRST FLOOR | Optisystem software (03 user), optical comm. Kits/setups, spectrum analyser, router, switch, crimping tool, material required for networking, computers etc. |
| 61 | Signals & systems lab | BACK BLOCK FIRST FLOOR | Matlab software (20 + 5 user), computers, dsp trainer kits, multiple power supply kits along with headsets etc. |
| 62 | M.tech. Ece simulation and research lab-i | BACK BLOCK FIRST FLOOR | Visual tcad & symica (1+3 users) and cadence vlsi tools (10 user), orcad pspice & pcb bundle (10 user), vivado university tool (25 user)with zedboard kit (01 user), tanner tool (35 user), xilinx tool (unlimited user), fpga kits/boards, computers and other vlsi s/w |
| 63 | E&i basic electronics & pcb design cum mini project lab | BACK BLOCK FIRST FLOOR | Pcb prototype, orcad pspice & pcb bundle (10 user), pcb prototype & antenna fabrication machine with software, tina software (01 user), sprint pcb software (unlimited user), computers, printer, pcb curing machine, dual size uv exposure, photoresist dip coater, pcb drilling machine etc. | Electronics & Instrumentation Engineering |
| 64 | E&i digital system design lab | BACK BLOCK SECOND FLOOR | Power supply, func. Generator, oscilloscopes, digital trainer kit, dmm, 8085 microprocessor kit, power supply for microprocessor kit, digital ic tester, computer |
| 65 | E&i electronics devices and analog circuits lab | BACK BLOCK FIRST FLOOR | Dso, cros,function generators, pulse generators,ammeters,voltmeters, power supply –triple and multiple, computer, different kits |
| 66 | E&i electronics measurement, instrumentation and transducers lab | BACK BLOCK SECOND FLOOR | Cro, function generator, radio receiver measurement kit, pcm using adc & dac converter, adc to dac using sample and hold ckt kit, deasuty’s shearing bridge, optical transducer trainer-ldr instrument, kelvin bridge trainer ,transducer measurement kits, thermocouple kits and parameter measurement kits, dso etc. |
| 67 | E&i integrated circuits lab | BACK BLOCK FIRST FLOOR | Ti-analog system alsk pro kits, trainer boards, ic tester, cros, function generators, dso, power supplies, analog trainer kit, study cards (cmrr, pll, a/d, d/a, i/v, v/i), multimeter, current source and multimeters |
| 68 | E&i microprocessor & microcontroller lab | BACK BLOCK SECOND FLOOR | Cros, function generators, 8085, 8086 lcd kits. Various study card, smps, computers, microprocessor simulator ide tools for 8085 & 8086 etc., digital trainer kit, dmm, microcontrollers kits and simulation software, digital ic tester, computers, ti based mp & mc kits |
| 69 | E&i project lab | BACK BLOCK SECOND FLOOR | Pcb prototype, orcad pspice & pcb bundle (10 user), cros, function generators, multimeters , dso, lcrq meter, solder irons, pcb making components & consumables, computers and software tool etc. |
| 70 | Programming & control system lab | BACK BLOCK SECOND FLOOR | C, c++ language and programming software tools, matlab (20 + 5 user) and computers |
| 71 | Signal systems and dsp lab | BACK BLOCK FIRST FLOOR | Computer systems, matlab software (20 + 5 user), dsp trainer kits, multiple power supply kits along with headsets etc. |
| 72 | Telemetry & communication lab | BACK BLOCK FIRST FLOOR | Vissim / comm. 8.0 suite software (10 user), cros, digital storage oscilloscope modulation and demodulation, coding-decoding kits and comm. Systems kits, computers, spectrum analyser, measurement of temp using rtd, dso, cro, function generator, telemetry and comm. Kits etc. |
| 73 | Chemistry lab | ADMINISTRATIVE BLOCK GROUND FLOOR | |  | | --- | | 1,heating oven 01  2.distilation assembly 01  3.digital spectrophotometer 02  4.digital ph meter 02  5.water wath 01  6.physical balance 11  7.electrical balance 01  8.electronic balance 01  9.stop watch 05 |   10. Hot plate 01  11.conductivity meter 01  12.shaker 01  13. Heating mental 01 | Applied Science And Humanities |
| 74 | English language lab | ADMINISTRATIVE BLOCK SECOND FLOOR | |  | | --- | | I7 hp desktop for server (01)  (hdd-1 tb, ram-16gb, cpu-2.93 ghz, tft- 21”)  I5 hp desktop 280 g1 mt (01)  (hdd-500 gb, ram-8gb, cpu-3.00 ghz, tft-21”)  3. C2d hcl desktop (35)  (hdd-160gb, ram-3gb, cpu-2.93 ghz, tft-18”  4. Hp 1020 plus printer (01)  5. Infocus lcd projector with screen (01) |   6. Network switch 24 port (02)   |  | | --- | | 1- hp 6200 microtower desktop (34)  (ram -10 gb, hdd-500gb,cpu-3.10ghz)  2. Hp 202 g2 mt desktop (2)  (ram -10 gb, hdd-500 gb, cpu-3.0)  3. Hp laserjet p1008 printer (01) |   4- network switch 24 port (02) |
| 75 | Physics lab | ADMINISTRATIVE BLOCK GROUND FLOOR | 1.newton ring setup (microscope)  2.nodal slide setup  3.specific rotation of cane sugar  solution setup (polerimeter)  4. Plane transmission grating  setup (spectrometer)  5. Carey foster bridge setup  6. Variation of magnetic field  setup  7. Stefan law setup  8. Calibration of ammeter  &voltmeter by potentiometer  9.hall effect setup with  electromagnet  10. Energy band gap setup  11. E.c.e of copper setup (tangent  galvanometer)  12. Hysteresis loop tracer setup  with cro  13. Ballistic galvanometer setup  14. P.n. junction setup  15. Magnetic susceptibility of  paramagnetic solution setup  with electromagnet  16. Fly wheel setup  17.electronic balance |
| 76 | Dbms lab | CSIT BLOCK THIRD FLOOR | 36 systems: hp 202 g2 core i3-4130t@2.90 ghz. Processor, 4 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse.    01 system: dell optiplex 3060 intel core i7-8700 processor, 16 gb ram, 2 tb hdd, 19” lcd monitor, keyboard and optical mouse.  **total 37 systems** | Information Technology |
| 77 | Cryptography & network security lab | CSIT BLOCK THIRD FLOOR | 36 systems: hp 202 g2 core i3-4130t@2.90 ghz. Processor, 4 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse.    01 system: dell optiplex 3060 intel core i7-8700 processor, 16 gb ram, 2 tb hdd, 19” lcd monitor, keyboard and optical mouse.  **total 37 systems** |
| 78 | Data structure lab | CSIT BLOCK THIRD FLOOR | 34 systems: hp 202 g2 core i3-4130t@2.90 ghz. Processor, 2 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  02 systems: hp 202 g2 core i3-4130t@2.90 ghz. Processor, 4 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  01 system: dell optiplex 3060 intel core i7-8700 processor, 16 gb ram, 2 tb hdd, 19” lcd monitor, keyboard and optical mouse  **Total 37 systems** |
| 79 | Data mining lab | CSIT BLOCK THIRD FLOOR | 34 systems: hp 202 g2 core i3-4130t@2.90 ghz. Processor, 2 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  02 systems: hp 202 g2 core i3-4130t@2.90 ghz. Processor, 4 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  01 system: dell optiplex 3060 intel core i7-8700 processor, 16 gb ram, 2 tb hdd, 19” lcd monitor, keyboard and optical mouse  **Total 37 systems** |
| 80 | Daa lab | CSIT BLOCK THIRD FLOOR | 34 systems: lenovo core i3-4150@3.50 ghz. Processor, 2 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse with variable ram size  03 systems: dell optiplex 3060 intel core i7-8700 processor, 32 gb ram, 2 tb hdd, 19” lcd monitor, keyboard and optical mouse  **Total 37 system** |
| 81 | Web technology lab | CSIT BLOCK THIRD FLOOR | 34 systems: lenovo core i3-4150@3.50 ghz. Processor, 2 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse with variable ram size  03 systems: dell optiplex 3060 intel core i7-8700 processor, 32 gb ram, 2 tb hdd, 19” lcd monitor, keyboard and optical mouse  **Total 37 system** |
| 82 | Pps lab | CSIT BLOCK THIRD FLOOR | 30 systems: lenovo core i3-4150@ 3.50 ghz. Processor, 2 gb ram ,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  06 systems: hp 202 g2 core i3-4130t@2.90 ghz. Processor, 2 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  01 system: dell optiplex 3060 intel core i7-8700 processor, 16 gb ram, 2 tb hdd, 19” lcd monitor, keyboard and optical mouse  **Total 37 system** |
| 83 | Python lab | CSIT BLOCK THIRD FLOOR | 30 systems: lenovo core i3-4150@ 3.50 ghz. Processor, 2 gb ram ,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  06 systems: hp 202 g2 core i3-4130t@2.90 ghz. Processor, 2 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  01 system: dell optiplex 3060 intel core i7-8700 processor, 16 gb ram, 2 tb hdd, 19” lcd monitor, keyboard and optical mouse  **Total 37 system** |
| 84 | Mini project lab | CSIT BLOCK THIRD FLOOR | 31 systems: lenovo core i3-4150@ 3.50 ghz. Processor, 2 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  03 systems: hp core i7-7700@ 3.60 ghz. Processor, 32/8 gb ram,1tb hdd,18.5” lcd monitor, keyboard and optical mouse  **Total 34 system** |
| 85 | Project lab | CSIT BLOCK THIRD FLOOR | 31 systems: lenovo core i3-4150@ 3.50 ghz. Processor, 2 gb ram,500 gb hdd,18.5” lcd monitor, keyboard and optical mouse  03 systems: hp core i7-7700@ 3.60 ghz. Processor, 32/8 gb ram,1tb hdd,18.5” lcd monitor, keyboard and optical mouse  **Total 34 system** |
| 86 | Fluid machinery lab | NEAR LT BLOCK | Pelton turbine test rig 01  Francis turbine test rig 01  Kaplan turbine test rig 01  Reciprocating pump test rig 01  Centrifugal pump test rig 01  Hydraulic ram test rig 01  Hydraulic jack model 01  Boundary layer wind tunnel 01 |
| 87 | Automobile lab | MECHANICAL BLOCK SECOND FLOOR | Fip (diesel single cylinder ) 02  Su carburetor 01  Fuel pump(petrol engine) 01  Solex carburetor 01  Electric distributor 01  Dynamo 01  Self-starter 01  Two stroke scooter engine 01  Four wheeler steering 01  Shocker 01  Four wheeler rear box 01  Hydraulic breaking system 01  Petrol car gear system 01  Hydraulic braking system 01  Differential gear system 01  Lubrication system of four wheeler 01 |
| 88 | Cad lab | MECHANICAL BLOCK SECOND FLOOR | Computer server (ibm) 01  Computer (hcl) 33  Printer psc 1200 01  Ups (with battery)01  Hub ( 24 ports)02  Pro-engineer software 01(for 500 systems)  Lcd (infocus) 01 |
| 89 | Cam lab | MECHANICAL BLOCK SECOND FLOOR | Computer server (ibm) 01  Computer (hcl) 33  Printer psc 1200 01  Ups (with battery)01  Hub ( 24 ports)02  Pro-engineer software 01(for 500 systems)  Lcd (infocus) 01 |
| 90 | Engg. Graphics lab | MECHANICAL BLOCK SECOND FLOOR | Quadrant  Models  (a) triangular plane  (b) rectangular  (c) circular  models of solids  (a) cone  (b) cylinder  (c) sphere  (d) frustum of cone  (e) hexagonal prism  (f) pentagonal prism  (g) square prism  (h) hexagonal pyramid  (i) pentagonal pyramid |
| 91 | Engineering mechanics lab | MECHANICAL BLOCK SECOND FLOOR | Bending of beam apparatus  Combined inclined plane & friction slide.  Combined coil & belt friction apparatus  Deflection of beam apparatus.  Flat belt pulley  Joined roof trusses on wheel  Moment of inertia of fly wheel  Rope pulley  Screw jack simple  Train of gear wheel(simple)  Train of gear wheel(compound)  Torsion apparatus 1 meter long vertical  Warm and warm wheel apparatus |
| 92 | Fluid mechanics lab | MECHANICAL BLOCK SECOND FLOOR | Venturi meter and orifice meter. R. K. Scientific 1  Apparatus for laminar and turbulent flow. R. K. Scientific 1  Apparatus for losses in pipe fitting. R. K. Scientific 1  Apparatus for metacentric height r. K. Scientific 1  Darcys law apparatus. R. K. Scientific 1  Impact of jet apparatus. R. K. Scientific 1  Surface tension apparatus. R. K. Scientific 1  Electrical analogy apparatus. R. K. Scientific 1  Conducting orifice & mouthpiece apparatus. R. K. Scientific 1  Rectangular notch & triangular notch. R. K. Scientific 1  Bernoulli’s theorum. R. K. Scientific 1 |
| 93 | Heat and mass transfer lab | MECHANICAL BLOCK SECOND FLOOR | Boiling heat transfer apparatus  Thermal conductivity of metal bar.  Heat transfer in forced convection.  Emmisivity measurement apparatus.  Parallel/counter flow heat exchanger.  Pin fin apparatus.  Composite wall apparatus  Heat pipe demonstrator  Pool boiling apparatus. |
| 94 | Machine design lab | MECHANICAL BLOCK FIRST FLOOR | Cotter joint1gib & cotter joint1  Sleeve cotter joint 1  Knuckle joint1  Screw jack1  Protected flanged coupling with shaft1  Solid flanged coupling with shaft1  Hook coupling double type1  Oldham’s coupling1  Flexing coupling1  Four bar mechanism 1 |
| 95 | Material science & testing lab | MECHANICAL BLOCK GROUND FLOOR | Universal testing machine ankay enterprises new delhi 01  Birinal & rockwall hardness testing machine. Asi sales pvt. Ltd. 01  Belt grinding machine metezer optical inst.01  Disc polishing machine metezer optical inst.01  Crystal structure models (h.c.p,b.c.c,diamond) aggarwal scientific store 01  Quenching tank workshop02  Muffle furnace metezer optical inst.01  Torsion testing machine ankay enterprises new delhi 01  Metallurgical microscope metezer optical inst.01  Balancing machine metezer optical inst.01  Impact testing machine asi sales pvt. Ltd.01 |
| 96 | Measurement and metrology lab | MECHANICAL BLOCK SECOND FLOOR | Vernier caliper (digital) 0 – 300mm/12’’ mitutoyo 01  Vernier caliper 0 – 200mm mitutoyo 01  Micrometer 0 – 25mm forbes 01  Dial gauge lc0.01mm mitutoyo 01  V-block 01  Feeler gauge set atul 01  Sine bar 150mm sagar 01  Slip gauge set zeckoslovakia 01  Speedometer (dial.) Japan 01  Speedometer (digital) japan 01  Stroboscope 01  Bore gauge 18 – 35mm mitutoyo 01  Flange micrometer 25 – 50mm mitutoyo 01  Flange micrometer 50 – 75mm mitutoyo 01  Thermocouple & temperature indicator 0 – 1000deg c 01  Thread measurement apparatus 01  L v d t kit new tech roorkee 01  Strain gauge kit new tech roorkee 01  Combination set mitutoyo 01  Surface plate & stand bagson 01 |
| 97 | Refrigeration & air conditioning lab | MECHANICAL BLOCK SECOND FLOOR | Vapour compressor refrigeration system, window type air conditioning system, hermitically sealed, reciprocating compressor model, cold storage plant trainer, multi expansion and evaporator test rig, air conditioning trainer |
| 98 | Thermodynamics lab | MECHANICAL BLOCK SECOND FLOOR | Locomotive boiler engineering model & equipment 01  Babcock & wilcox boiler engineering model & equipment 01  Vapour compression refrigerator universal instrument co. 01  Pelton wheel engineering model & equipment 01  Francis turbine engineering model & equipment 01  Gas turbine engineering model & equipment 01  Model of two stroke petrol engine engineering model & equipment 01  Model of four stroke diesel engine engineering model & equipment 01  Steam engine model universal instrument co. 01  Two stroke scooter engine engineering model & equipment 01 |
| 99 | Tom lab | MECHANICAL BLOCK FIRST FLOOR | Epicycle gear (sun & planet). 01  Three speed and reverse gear. 01  Differential gear. 01  Helical gear. 01  Crank and slider. 01  Four bar mechanism. 01  Watt mechanism. 01  Automatic balancing m/c. 01  Quick return mechanism. 01  Motorized governor. 01  Universal governor. 01  Gyroscope 01  Whirling of shaft for critical speed 01  Static & dynamic balancing machine 01  Cam follower analyses 01  Universal vibration testing machine 01 |
| 100 | Machine shop | MECHANICAL BLOCK GROUND FLOOR | Lathe machine,  Drilling machine,  Power hacksaw,  Foundry equipment,  Carpentryequipment,  Smithy equipment and furnaces,  Welding equipment.  Vertical milling machine,  Horizontal milling machine,  Horizontal surface grinding machine,  Tig and mig welding,  Shaper machine |
| 101 | Fitting shop | MECHANICAL BLOCK GROUND FLOOR | File smooth 10" flat  File bastered 12"  File half round bastered 10" 97  File half round bastered 6" 98  File round bastered 250 mm 99  File round bastered 300 mm 100  File tringular 8"  Center punch  C i try square  Punch set figur  Letter punch set  Chisel flate 6"  Tap set 12x1.75 mm  Divider 6"  Divider 8"  Solid punch  Oil cane  Screw driver  Adjustable hecksaw frame  Pin vice  Hecksaw frame fixed  Jenny calliper bench vice 4"  Bench vice 6"  Cross peen hammer  Pipe wrench 8", 12", 14" ( each) combination set 300mm try square 8"  Knife file set [10]  Weighing balance machine  Tap handle 1/4" 1/2"  Drill machine bench  Speedy moisture tester |
| 102 | Welding shop | MECHANICAL BLOCK GROUND FLOOR | Spark lighter  Shiev shaker  Bench vice 6"  Tig welding m/c  mig weding m/c  Pipe bending m/c  brass wire brush  File bastered 12"  Open spaner  Oxygen gas cylinder  Acetylene cylinder  Goggles  Tin cutter 18"  fire extingusher 5 kg  Screw driver  chipping hammer  Spot welding machine  hand shield  Pressure gauge  Welding transformer  Weding torch  Cutting torch  Cross peen hammer 800 gm  Flate tong 12"  Welding electrode holder  chisel 1"  chisel 3/4"  c i.try square 6"  slide wrench 12"  hacksaw frame  Organ cylender  Co2 cylender  Leather hand gloves  leather appron  Head shield  lpg cylender 5kg  Goggles plain  Cylinder key |
| 103 | Carpentry | MECHANICAL BLOCK GROUND FLOOR | File half round rasp12"  Blade wooden jack plane  Try square 8"  Carpentry vice 8"  U clamp 6"  Try square engg. 6 "  Saw settor  iron jack plane 9"  C clamp 4" pincer 6"  rasp file 10 "  Half round screw driver  Claw hammer  Wooden scale 24"  tenon saw  Steel scale  Dove tail saw  Rip saw  Ratchet brace  Hand drill  Marking gauge  Mortiose chisel  Dovetail chisel  Firmer chisel  Cross peen hammer  round rasp file 12"  Side axe  Bebal square |
| 104 | Smith shop | MECHANICAL BLOCK GROUND FLOOR | ball peen hammers 800 gm.  Open hearth furnace  Blower  water cooling tank  Uble face hammer 800gm  anvil with stand 100kg  Swage block  Fuller top &bottom  Drift punch  Pocker  Beak horn  Sledge hammer  Diffr. Size  Flater  Cross peen hammer 300 gm  flate tong 15"  Chisel tong18"  flate bar tong18"  pincer tong 12"  Chisel clamp tong 15 "  Round hollow tong 18"  Flatter half tong 14"  flate half tong 18"  Chisel1" chisel 1/2"  Chisel 3/4"  Steel scale 12"  Fire extingusher  Blower  Flate tong 18" |
| 105 | Data structures lab | ADMINISTRATIVE BLOCK BASEMENT | Hp pro 3090 mt core 2 duo 2.93 ghz,2  Ram,320 gb hdd,lenovo 18.5&quot;&#39;&#39; tft  Monitor,kbd &amp; mouse -30 nos  Printer: canon-1 no | MCA |
| 106 | Advance programming lab | ADMINISTRATIVE BLOCK BASEMENT | Hcl-core 2 duo intel cpu 2.93 ghz/1 gb  Ram/320 gb hdd/hp 18.5&quot;&#39;&#39; tft  Monitor/keyboard/mouse -30 nos  Printer: hp- 1 no  Projector: infocus-1 no |