



**ANNEX CR 1**



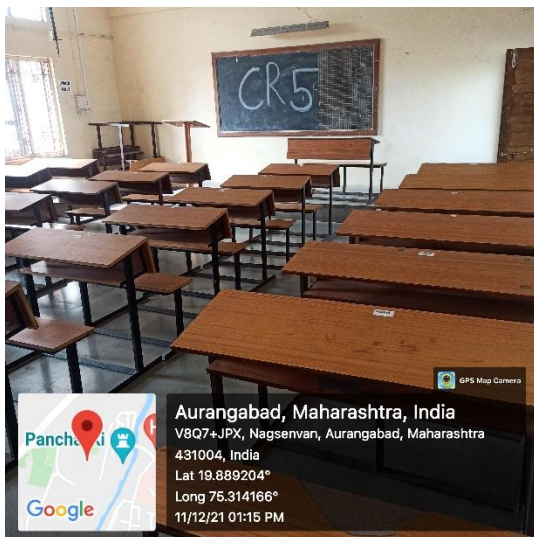
**ANNEX CR 2**



**ANNEX CR 3**



**ANNEX CR 4**



**ANNEX CR 5**



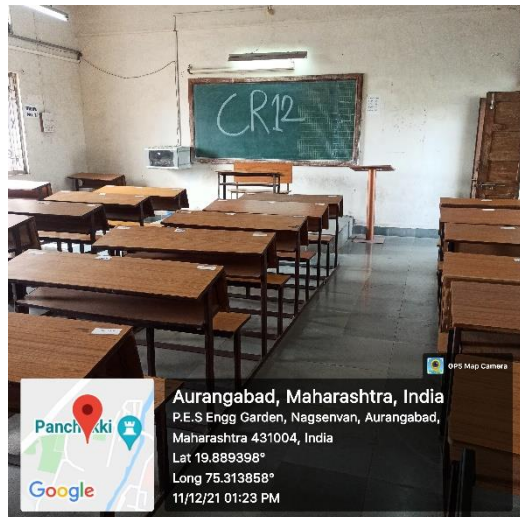
**ANNEX CR 6**



**ANNEX CR 10**



**ANNEX CR 11**



**ANNEX CR 12**



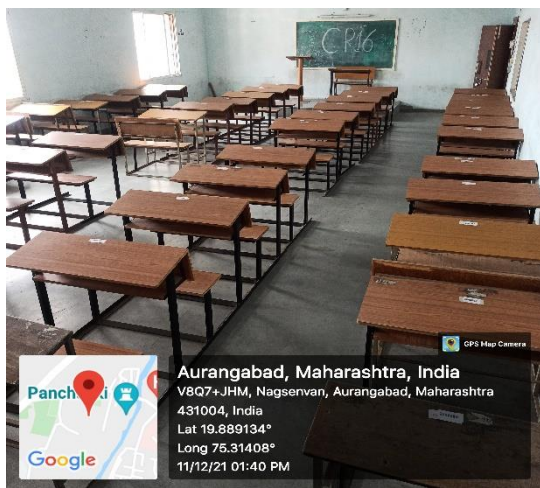
**ANNEX CR 13**



**ANNEX CR 14**



**ANNEX CR 15**



**ANNEX CR 16**



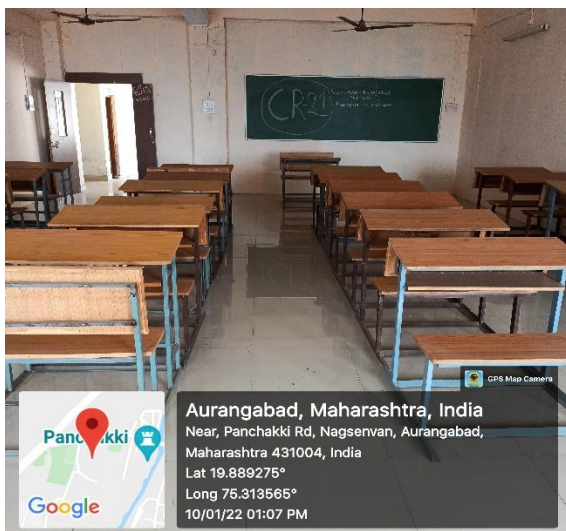
**ANNEX CR 18**



**ANNEX CR 19**



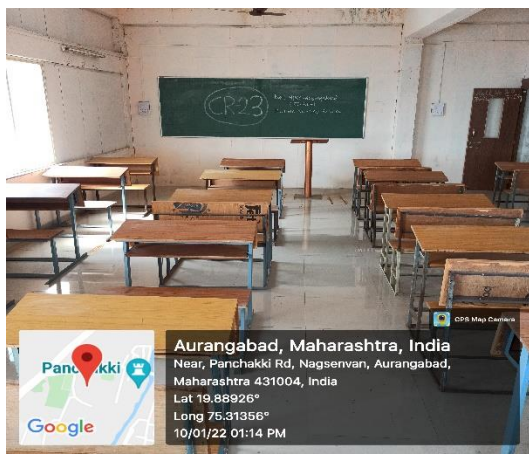
**ANNEX CR 20**



**ANNEX CR 21**



**ANNEX CR 22**



**ANNEX CR 23**



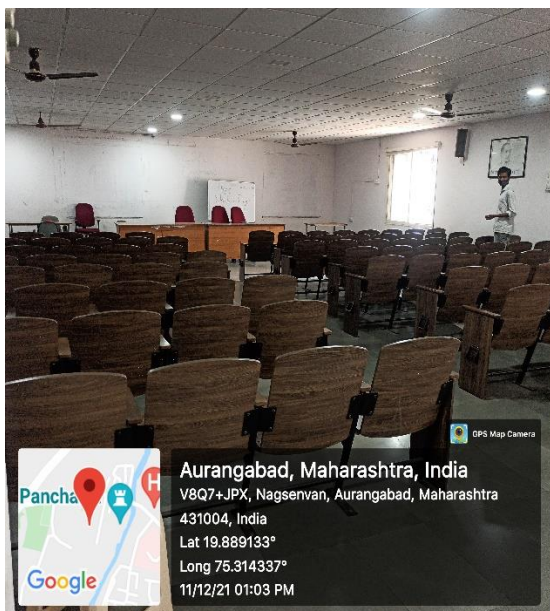
**ANNEX CR 24**



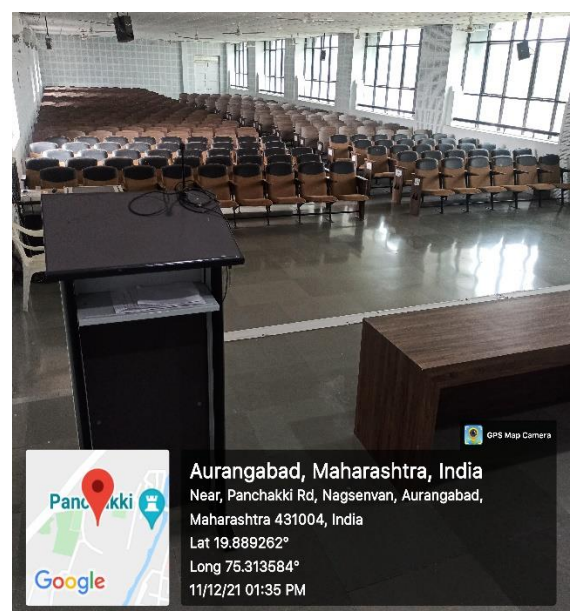
**LADIES COMMON ROOM**



**SEMINAR HALL 1 ( CIVIL )**



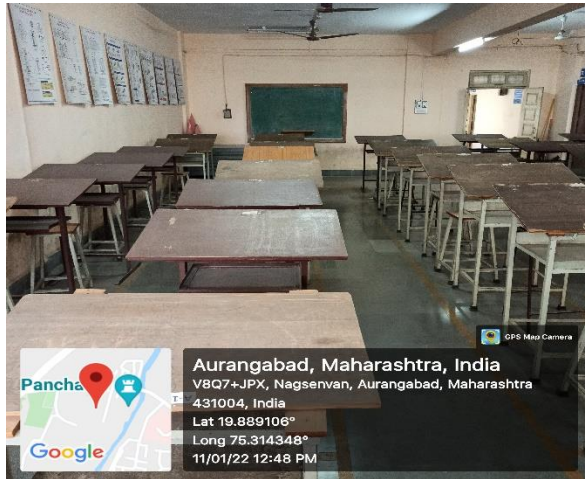
**SEMINAR HALL 2 ( MECH )**



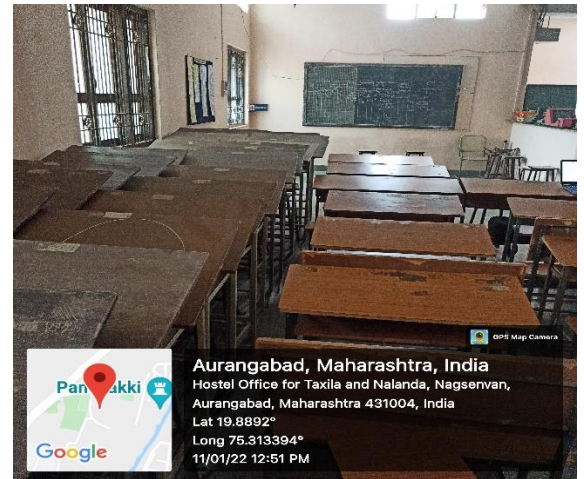
**SEMINAR HALL 3 ( ASHOKA HALL )**



**SEMINAR HALL 4 ( T & P )**



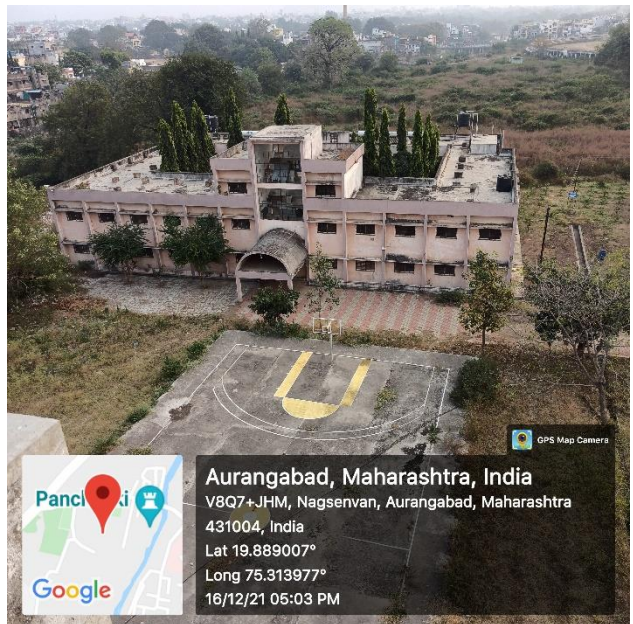
**DRAWING HALL D1 (MECH)**



**DRAWING HALL D2 ( CIVIL )**



**DRAWING HALL D3 & D4 (ANNEX)**



**Basket Ball Ground**

Principal  
Principal  
PESCOE, Aurangabad  
S.College of Engineering  
Aurangabad.

**P.E.S COLLEGE OF ENGINEERING, NAGSENVANA, AURANGABAD**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**LIST OF LABORATORY EQUIPMENTS**  
**COMPUTER LAB**

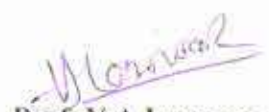
| SR.NO. | PARTICULARS                                         | QUANTITY         | RATE   | AMOUNT |
|--------|-----------------------------------------------------|------------------|--------|--------|
| 1      | Processor : Intel Core I-5 (650) / Mother Board I-5 | 20               | 14058  | 281160 |
| 2      | Hard Disk : 500 GB (SATA)                           | 20               | 1832   | 36640  |
| 3      | RAM : 2 GB (DDR3)                                   | 20               | 1238   | 24760  |
| 4      | Cabinet : i-ball (I-612)                            | 20               | 1312   | 26240  |
| 5      | Key board/ Mouse : Logitech                         | 20               | 594    | 11880  |
| 6      | TFT : 18.5" wide screen (Samsung)                   | 20               | 5940   | 118800 |
| 7      | DVD R/W : (LG SATA)                                 | 20               | 866    | 17320  |
| 8      | Network Cable (cat 6) (Nexan)                       | 1                | 4950   | 4950   |
| 9      | I/O (Nexan)                                         | 15               | 208    | 3120   |
| 10     | Patch Card (Nexan)                                  | 15               | 129    | 1935   |
| 11     | LCD Projector                                       | 1                | 25000  | 25000  |
| 12     | Sound BOX                                           | 1                | 7500   | 7500   |
| 13     | Web CAM                                             | 2                | 800    | 1600   |
| 14     | Ear Phone                                           | 1                | 800    | 800    |
| 15     | Switch Cisso Lynksysis 24 port gigabit              | 1                | 14355  | 14355  |
| 16     | MIC                                                 | 1                | 700    | 700    |
| 17     | Quick HEAL Antivirus 1 X 3                          | 2                | 1795   | 3590   |
| 18     | Switch Cisso Lynksysis for two switch rack          | 1                | 4703   | 4703   |
| 19     | Plotter                                             | 1                | 150000 | 150000 |
| 20     | K-YAN LCD Projector                                 | 1                | 105000 | 105000 |
|        |                                                     | Total Cto Rupees |        | 840053 |

*Signature*  
**HEAD OF CIVIL ENGG. DEPT.**  
**P.E.S. COLLEGE OF ENGINEERING**  
**NAGSENVANA, AURANGABAD.**

PES College of Engineering  
 Department of Computer Science & Engineering  
 Laboratory: Programming Language Lab  
 Lab In Charge: Prof G.R.Gaud  
List of Equipments

| SR. NO. | Area of Lab 1 | ITEM DISCRIPTION                                                                                                                           | MAKE           | Qty   | COST  | TOTAL AMOUNT |
|---------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|-------|--------------|
| 1       | 72 Sq. M      | Desktop PC's Intel P-IV (3.2 GHz,800 FSB with HTEM64T),with 1MB L2Cache ,512MB DDR RAM,80GB SATA HDD,52x CDRW, KeyBoard, Mouse,HCL Limited | HCL            | 12    | 25636 | 307632       |
| 2       |               | Desktop PC's Intel P-IV (3.2 GHz,800 FSB with HTEM64T),with 1MB L2Cache ,512MB DDR RAM,80GB SATA HDD,52x CDRW, KeyBoard, Mouse,HCL Limited | HCL            | 4     | 21528 | 86112        |
| 3       |               | Desktop PC's Intel P-IV (3.2 GHz,800 FSB with HTEM64T),with 1MB L2Cache ,512MB DDR RAM,80GB SATA HDD,52x CDRW, KeyBoard, Mouse,HCL Limited | HCL            | 8     | 20280 | 162240       |
| 4       |               | 24 Port Switch D-Link                                                                                                                      | D-Link         | 1     | 3150  | 3150         |
| 5       |               | 24 Port GB Switch D-Link                                                                                                                   | D-Link         | 1     | 15199 | 15199        |
| 6       |               | Epson FX-2135 Dot Matrix Printer                                                                                                           | EPSON          | 1     | 11750 | 11750        |
| 7       |               | 5 KVA Automatic Stabilizer                                                                                                                 | Shree Ele.     | 2     | 9000  | 18000        |
| 8       |               | Information Outlet                                                                                                                         | D-Link         | 25    | 201.9 | 5250         |
| 9       |               | AT & T UTP CAT6 Cable                                                                                                                      | AT & T         | 1 Box | 5400  | 5400         |
| 10      |               | Crimping Tool                                                                                                                              | Horizon        | 1     | 300   | 300          |
| 11      |               | RJ 45 Connector                                                                                                                            | Horizon        | 50    | 9     | 450          |
| 12      |               | Upgradation of RAM 1GB                                                                                                                     | Aspire         | 24    | 1450  | 34800        |
| 13      |               | Air Conditioner 1.5 Tonnes                                                                                                                 | IFB            | 2     | 36300 | 72600        |
|         |               |                                                                                                                                            | Total LAB Cost |       |       | Rs 474531    |

  
 Prof G.R.Gaud  
 Lab In charge

  
 Prof .V.A.Losarwar  
 Mrs HOD, CSE Dept.  
 Asst. Professor & Head  
 Dept. Of Computer Science & Engg.  
 P.E.S. College Of Engineering  
 Nagarkurnool, Andhra Pradesh

P.E.S.College of Engineering  
Department of Computer Science & Engineering  
Laboratory: Open Source Lab (Lab 02)  
Lab In Charge: Prof S.D.Pingle  
List of Equipments

| Name of Laboratory        | Area        | Equipment                                                                                                          | Make   | Rate<br>in Rs. | Qty    | Amount<br>in Rs. |
|---------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|--------|----------------|--------|------------------|
| Open Source Lab ( LAB 02) | 50 sq. mtr. | Desktop Dell Optiplex, 3020M micro btx base, Processor : Intel i3 core, 3 GHZ, RAM : 4 GB,HDD:500GB, 18.5" Monitor | Dell   | 29500/-        | 20     | 5,90,000/-       |
|                           |             | Servo stabilizer 5 KVA                                                                                             |        | 9,000/-        | 1      | 9000/-           |
|                           |             | Cisco 24 port switch SF90-24                                                                                       | Cisco  | 3649           | 1      | 3649/-           |
|                           |             | Epson FX-2175 Dot Matrix Printer                                                                                   | Epson  | 10,625/-       | 1      | 10,625           |
|                           |             | HP Laser jet 1022 printer                                                                                          | Hp     | 9650           | 1      | 9650/-           |
|                           |             | IFB Make TR Splitter AC                                                                                            | IFB    | 35,500/-       | 2      | 71000/-          |
|                           |             | Outdoor stand for splitter AC                                                                                      |        | 800/-          | 2      | 1600/-           |
|                           |             | Network Rack 4U D Link                                                                                             | D-Link | 2970/-         | 1      | 2970/-           |
|                           |             | CC TV Camera                                                                                                       |        | 1627/-         | 1      | 1627/-           |
|                           |             | Network Patch Panel 24 Port D Link                                                                                 | D-Link | 2700/-         | 1      | 2700/-           |
|                           |             | Network I/O D Link                                                                                                 |        | 217/-          | 15     | 4340/-           |
|                           |             | Patch Cord 1 Mtr                                                                                                   |        | 130/-          | 43     | 5590/-           |
|                           |             | Network cable cat 6                                                                                                |        | 22/m           | 50 mtr | 1100/-           |
|                           |             | Total Cost: (Rs.)                                                                                                  |        |                |        | 7,13,851/-       |

  
Prof S.D.Pingle  
Lab In charge

  
Prof. V.A.Losarwar  
HOD,CSE Dept.

**P E S College Of Engineering Auranagbad**  
**Department of computer Science and Engineering**  
**Laboratory :Mobile Computing Lab**  
**Lab Incharge:Prof A.V.Turukmane**  
**List Of Equipment**

| Sr. No | Name Of Laboratory          | Area Of Laboratory | Equipement                                                                                                           | Make     | Rate in Rs | Qty          | Amount in RS    |
|--------|-----------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------|----------|------------|--------------|-----------------|
| 1      | Lab 03 Mobile Computing Lab | 54 sq. M           | Lenovo Desktop PC's, Pentium Dual Core E - 2160,1.8 GHZ,1GB DDR2 RAM, 160 GB HDD 7200RPM,17" TFT Monitor, 16*DVD ROM | Lenovo   | 23088/-    | 12           | 2,77,056        |
|        |                             |                    | servo Stabilizer 5 switch                                                                                            |          | 9000/-     | 1            | 9,000           |
|        |                             |                    | 24 port D link patch Panel                                                                                           | D-Link   | 5000/-     | 2            | 10,000          |
|        |                             |                    | Epson FX -2175 DOT MatrixPrinter                                                                                     | Epson    | 10625/-    | 1            | 10,625          |
|        |                             |                    | 6 U rack                                                                                                             | D-Link   | 4900/-     | 1            | 4,900           |
|        |                             |                    | Intex Head phone                                                                                                     | Intex    | 260/-      | 1            | 260             |
|        |                             |                    | scanner HP 2410                                                                                                      | Hp       | 3653/-     | 1            | 3,653           |
|        |                             |                    | l Ball Web Camera                                                                                                    | l-Ball   | 884/-      | 1            | 884             |
|        |                             |                    | printer HP Laser Jet 1020                                                                                            | Hp       | 7380/-     | 1            | 7,380           |
|        |                             |                    | printer HP all in one M1005                                                                                          | Hp       | 11642/-    | 1            | 11,642          |
|        |                             |                    | Sony Projector VPL EX242                                                                                             | Sony     | 39047/-    | 1            | 39,047          |
|        |                             |                    | Speakers INTEx                                                                                                       | Intex    | 5720/-     | 1            | 5,720           |
|        |                             |                    | CISCO Switch 24 port                                                                                                 | Cisco    | 3150/-     | 1            | 3,150           |
|        |                             |                    | UPS Champion                                                                                                         | Champion | 16500/-    | 1            | 16,500          |
|        |                             |                    | CCTV Camera                                                                                                          |          | 1627/-     | 1            | 1,627           |
|        |                             |                    | IFB AC                                                                                                               | IFB      | 35500/-    | 2            | 71,000          |
|        |                             |                    | Outdoor stand for splitter AC                                                                                        |          | 800/-      | 2            | 1,600           |
|        |                             |                    | Windows-7 Licence OS                                                                                                 |          | 6135       | 10           | 61,350          |
|        |                             |                    | Quick Heal Antivirus                                                                                                 |          | 280        | 12           | 3,360           |
|        |                             |                    |                                                                                                                      |          |            | <b>Total</b> | <b>5,38,754</b> |
|        |                             |                    |                                                                                                                      |          |            |              |                 |
|        |                             |                    |                                                                                                                      |          |            |              |                 |

Dr. A V Turukmane  
 Lab Incharge

*Manoj*  
**Prof. A. A. Losarwar**  
 Asst. Professor & HOD  
 Dept. Of Computer Science & Engg.  
 P.E.S. College Of Engineering  
 Parbhani, Auranagbad

**P.E.S College of Engineering**  
**Department of Computer Science & Engineering**  
**Laboratory: Software Development Lab I**  
**Lab In Charge: Prof M.M.Ambekar**  
**List of Equipments**

| Sr no | Particulars                                | Make     | Specifications                                                                               | Qty | Cost     |
|-------|--------------------------------------------|----------|----------------------------------------------------------------------------------------------|-----|----------|
| 1     | Personal computer<br><br>Area : 77.5 Sq.M. | Acer     | Intel Pentium- V (3.20) Ghz ,2GB RAM,500 Gb HDD, 17" TFT monitor, Keyboard and optical mouse | 20  | 5,69,000 |
| 2     | Switch                                     |          | D link 24 port                                                                               | 1   | 3,150    |
| 3     | Printer                                    | Epson    | Dot matrix printer Epson FX-2175                                                             | 1   | 10,625   |
| 4     | Servo Stabilizer                           |          | 5KV Servo Stabilizer                                                                         | 1   | 9,000    |
| 5     | Printer                                    | HP       | HP Color Laser jet cp1215 printer                                                            | 1   | 18,855   |
| 6     | Printer                                    | Canon    | Canon MF3010 All in one printer                                                              | 1   | 9,503    |
| 7     | Printer                                    | Laserjet | HP Laser Jet 1008                                                                            | 1   | 7,500    |
| 8     | AC                                         | IFB      | IFB make 1.5 TR Split AC                                                                     | 2   | 71,000   |
| 9     | Outdoor stand                              |          | Outdoor stand for split AC                                                                   | 2   | 1,600    |
| 10    | Projector                                  | SONY     | LCD Sony VPL –EX5                                                                            | 1   | 45,000   |
| 11    | Camera                                     |          | CCTV Camera                                                                                  | 1   | 1,627    |
| 12    | Rack                                       | D-Link   | Network 4 U Rack Dlink                                                                       | 1   | 2,970    |
| 13    | Patch Panel                                | D-Link   | Network Patch Panel 24 port Dlink                                                            | 1   | 2,700    |

**Total Cost: 7,52,530/-**

  
**Prof. M.M.Ambekar**  
**Lab In Charge**  
**Lab 4**

  
**Prof. V. A. Losarwar**  
**Head**  
**CSE Dept.**  
 Asst. Professor in Charge  
 Dept. of Computer Science & Engg.  
 P.E.S. College of Engineering  
 Elgguda, Mysore, Karnataka

P.E.S College of Engineering  
**Department of Computer Science & Engineering**  
**Laboratory: Software Development Lab II**  
**Lab In Charge: Prof V.B.Kamble**  
**List of Equipments**

| Sr. No. | Area of Lab    | Equipment                                                                                                                                                                                                                   | Rate (in Rs.) | Quantity | Amount (in Rs.)    |
|---------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|--------------------|
| 1       | 1120 sq. feet. | Desktop PCs Dell- Intel Core i5 processor (3.6GHz), DDR3 1600MHz SDRAM Memory, Dell 18.5" Monitor, 16xMax DVD-ROM Drive, 500GB SATA HDD, Dell USB Entry Keyboard, Dell USB Optical Mouse, Windows 7 Professional 32-bit OS. | 38615/-       | 22       | 8,49,530/-         |
|         |                | Servo Stabilizer 5 KVA                                                                                                                                                                                                      | 7500/-        | 02       | 15,000/-           |
|         |                | 24-port Linksys Cisco Switch                                                                                                                                                                                                | 40,000/-      | 01       | 40,000/-           |
|         |                | Epson FX-2175 Dot Matrix Printer                                                                                                                                                                                            | 11,750/-      | 01       | 11,750/-           |
|         |                | Smart UPS                                                                                                                                                                                                                   | 52,434/-      | 02       | 1,04,868/-         |
|         |                | Canon 2900B Printer                                                                                                                                                                                                         | 6694/-        | 01       | 6694/-             |
|         |                | IFB Split AC                                                                                                                                                                                                                | 36300/-       | 02       | 72,600/-           |
|         |                | CCTV Camera                                                                                                                                                                                                                 | 1627/-        | 01       | 1,627/-            |
|         |                | Network Rack 4U D-Link                                                                                                                                                                                                      | 2970/-        | 01       | 2,970/-            |
|         |                | Network Patch Panel 24 Port D-Link                                                                                                                                                                                          | 2700/-        | 01       | 2,700/-            |
|         |                | Network I/O D-Link                                                                                                                                                                                                          | 217 /-        | 20       | 4,340/-            |
|         |                | <b>Total Cost: (Rs.)</b>                                                                                                                                                                                                    |               |          | <b>12,02,079/-</b> |

  
 Prof. V.B. Kamble  
 Lab Incharge

  
 Prof. V. A. Losarwar  
 Head CSE

Date: \_\_\_\_\_  
 Page: \_\_\_\_\_

**P.E.S College of Engineering**  
**Department of Computer Science & Engineering**  
**Laboratory: Software Engineering Lab**  
**Lab In Charge: Prof Y.S.Pagar**  
**List of Equipments**

| Sr. No. | Area    | Equipment                                                                                                | Rate in Rs. | Quantity | Amount in Rs. |
|---------|---------|----------------------------------------------------------------------------------------------------------|-------------|----------|---------------|
| 1       | 50 sq/m | Desktop PCs Pentium Dual core E-2160 1.8GHz 1GB DDR2 RAM - 160 GB HDD-7200RPM 17" TFT Monitor 16XDVD ROM | 23,088/-    | 18       | 4,15,584      |
|         |         | Servo stabilizer 5 KVA                                                                                   | 9,000/-     | 1        | 9,000         |
|         |         | 24-port D-Link Switch                                                                                    | 10,576/-    | 1        | 10,576        |
|         |         | Epson FX-2175 Dot Matrix Printer                                                                         | 10,625/-    | 1        | 10,625        |
|         |         | Canon 2900 Printer                                                                                       | 6694/-      | 1        | 6694          |
|         |         | Intex Headphone                                                                                          | 260/-       | 1        | 260           |
|         |         | I-ball Web Camera                                                                                        | 884/-       | 1        | 884           |
|         |         | Logitech Speakers                                                                                        | 495/-       | 1        | 495           |
|         |         | DLP OPTOMA Make LCD Projector                                                                            | 36000/-     | 1        | 36000         |
|         |         | IFB Make TR Splitter AC                                                                                  | 35,500/-    | 1        | 35,500        |
|         |         | Outdoor stand for splitter AC                                                                            | 800/-       | 1        | 800           |
|         |         | CC TV Camera                                                                                             | 1627/-      | 1        | 1627          |
|         |         | Network Rack 4U D-Link                                                                                   | 2970/-      | 1        | 2970          |
|         |         | Network Patch Panel 24-Port D-Link                                                                       | 2700/-      | 1        | 2700          |
|         |         | Network I/O box D-Link                                                                                   | 217/-       | 20       | 4340          |
|         |         | Patch cord                                                                                               | 130/-       | 47       | 6110          |
|         |         | RJ-45 Connector                                                                                          | 10/-        | 100      | 1000          |
|         |         | Network cable cat 6                                                                                      | 4950/-      | 2.5      | 12375         |
|         |         | Monitor LG LED 18.5"                                                                                     | 5130/-      | 1        | 5130          |
|         |         | 1 TB Hard disk Toshiba SATA                                                                              | 3600/-      | 1        | 3600          |
|         |         | Motherboard (G-31 Chipset HIS)                                                                           | 2160        | 1        | 2160          |
|         |         | Keyboard I-Ball                                                                                          | 342         | 2        | 684           |
|         |         | C-Mos Batteries                                                                                          | 10/-        | 17       | 170           |
|         |         | Total Cost: (Rs.)                                                                                        |             |          | 5,69,284/-    |

  
 (Prof Y.S. Pagar)  
 Mrs. Pagar  
 Dept. of Computer Science & Engineering  
 P.E.S. College of Engineering  
 Nageswara, Aurangabad

P.E.S.College of Engineering  
Department of Computer Science & Engineering  
Laboratory: Advanced Computing Research Lab (Lab 07)  
Lab In Charge: Prof A.U.Jadhav  
List of Equipments

| Sr. No. | Name of Laboratory                       | Area        | Equipment                                                                                                                | Make      | Rate      | Qty     | Amount            |
|---------|------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------|-----------|-----------|---------|-------------------|
|         |                                          |             |                                                                                                                          |           | in Rs.    |         | in Rs.            |
| 1       | Advanced Computing Research Lab (Lab 07) | 50 sq. mtr. | Desktop Dell Optiplex 3020, Intel core i5-4570 3.2GHz processor, RAM 4 GB, HDD 500GB, 18.5 " Monitor, Keyboard and Mouse | Dell      | 40403/-   | 15      | 6,06,045          |
|         |                                          |             | UPS 6KVA online                                                                                                          | Emerson   | 68250/-   | 1       | 68250/-           |
|         |                                          |             | Quanta SMF Battery With Rack                                                                                             |           | 2600/-    | 16      | 41600/-           |
|         |                                          |             | 24 port Network Giga switch                                                                                              | Dlink     | 6440/-    | 1       | 3649/-            |
|         |                                          |             | Printer Hp Laserjet P1008                                                                                                | HP        | 7500/-    | 1       | 7500/-            |
|         |                                          |             | Microsoft Windows 8.1                                                                                                    | Microsoft | 3548.04/- | 15      | 14192.16/-        |
|         |                                          |             | Network Rack 6U                                                                                                          | D-Link    | 4140/-    | 1       | 4140/-            |
|         |                                          |             | CC TV Camera                                                                                                             |           | 1627/-    | 1       | 1627/-            |
|         |                                          |             | Network Patch Panel 24 Port                                                                                              | D-Link    | 2700/-    | 1       | 2700/-            |
|         |                                          |             | Network I/O                                                                                                              | D-Link    | 217/-     | 15      | 4340/-            |
|         |                                          |             | Patch Cord 1 Mtr                                                                                                         | D-Link    | 130/-     | 43      | 5590/-            |
|         |                                          |             | Network cable cat 6                                                                                                      | D-Link    | 22/m      | 100 mtr | 2200/-            |
|         |                                          |             |                                                                                                                          |           |           |         |                   |
|         |                                          |             |                                                                                                                          |           |           |         |                   |
|         |                                          |             |                                                                                                                          |           |           |         | Total Cost: (Rs.) |

  
Prof A.U.Jadhav  
Lab In charge

  
Prof V.A.Losarwar  
HOD,CSE Dept.

**P.E.S College of Engineering**  
**Department of Computer Science & Engineering**  
**Laboratory: Web Development Lab**  
**Lab In Charge: Prof D.T.Rathod**  
**List of Equipments**

| Sr. no. | Area of lab | Particulars       | Make   | Specifications                                                                                                                                                                          | Price    | Quantity     | Amount            |
|---------|-------------|-------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|-------------------|
| 1       | 35.67 sq/m  | Personal computer | Lenovo | LENOVO Desktop, Intel Pentium Dual Core, E2160 1.8GHz, 1GB DDR2, 160GB HDD 7200rpm, 17" TFT Monitor, 16X DVD ROM, KBD, Mouse, Integrated Graphics, Media Accelerator 3000, Gigabit LAN. | 23,088/- | 15           | 3,46,320/-        |
| 2       |             | Switch            | D-link | 24 port Gigabit Switch                                                                                                                                                                  | 10,169/- | 01           | 10,169/-          |
| 3       |             | Servo Stabilizer  | SERVO  | 5KV Servo Stabilizer                                                                                                                                                                    | 9,000/-  | 02           | 18,000/-          |
| 4       |             | Printer           | EPSON  | EPSON Dot Matrix printer FX2175.136 Column                                                                                                                                              | 11,500/- | 01           | 11,500/-          |
| 5       |             | UPS               | APC    | UPS 3KVA with Batteries                                                                                                                                                                 | 52,423/- | 01           | 52,423/-          |
|         |             |                   |        |                                                                                                                                                                                         |          | <b>TOTAL</b> | <b>4,38,422/-</b> |

  
**Prof. D. T. Rathod**  
**Lab in Charge**

  
**V. A. Losarwar**  
**Head CSE**  
 Dept. Of Computer Science & Engg.  
 P.E.S. College of Engineering  
 Nagpurwadi, Amravati

**P.E.S College of Engineering**  
**Department of Computer Science & Engineering**  
**Laboratory: Object Technology Lab**  
**Lab In Charge: Prof V.D.Jadhav**  
**List of Equipments**

| NAME      | SPECIFICATION                                                                                                                                                                          | RATE     | QUANTITY     | AMOUNT          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|-----------------|
| UPS       | 6 KVA UPS (Emerson) with 16 26AH batteries                                                                                                                                             | 124332/- | 1            | 124332/-        |
| Computers | DELL OPTIPLEX 3010 PROCESSOR: INTEL ®<br>CORE i5-3470CPU@3.20Ghz<br>RAM : 2.00 GB RAM<br>HARD-DISK :500 G<br>Windows 7 Professional SPI<br>DELL USB Mouse and Keyboard<br>DELL Monitor | 38615/-  | 20           | 772300/-        |
| Projector | Sony VPL LCD Projector                                                                                                                                                                 | 67334/-  | 1            | 67334/-         |
| Printer   | Canon 2900B Printer                                                                                                                                                                    | 9945/-   | 1            | 9945/-          |
| Switch    | D-LINK 24 port SWITCH                                                                                                                                                                  | 3150/-   | 1            | 3150/-          |
| IO Port   | D-link IO ports                                                                                                                                                                        | 290/-    | 20           | 5800/-          |
| Switch    | D-LINK 8 port Switch                                                                                                                                                                   | 1103/-   | 1            | 1103/-          |
|           |                                                                                                                                                                                        |          | <b>TOTAL</b> | <b>983964/-</b> |

OTL Lab - Incharge  
*Jadhav*  
 Ms Varsha D. Jadhav

*M. V. Jadhav*  
 Mr. V.A. Jadhav  
 Assoc. Professor  
 Dept. Of Computer Science & Engg.  
 P.E.S. College Of Engineering  
 Nagawade, Aurangabad.

P.E.S.College of Engineering  
Department of Computer Science & Engineering  
Laboratory: Multimedia Lab  
Lab In Charge: Prof V. R. Mote  
List of Equipments

| Sr. No. | Name of Laboratory | Area           | Equipment                                                                                                                                                           | Make    | Rate in Rs.       | Qty | Amount in Rs. |
|---------|--------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|-----|---------------|
| 1       | Multimedia Lab     | 32.23 sq. mtr. | HCL Desktop Intel P4 3.20GHz, 1GB DDR2 RAM, 80GB SATA HDD, 17" Color Monitor, Keyboard and Optical Mouse with Pad, Head phones with mike, Speakers, Web Camera      | HCL     | 25480/-           | 5   | 1,27,480      |
|         |                    |                | Dell desktop 3020 PC I-5 processor 3.20GHz, 4GB RAM, 500GB HDD, 17" Color Monitor, Keyboard and Optical Mouse with Pad, Head phones with mike, Speakers, Web Camera | Dell    | 40,403/-          | 10  | 4,04,030/-    |
|         |                    |                | 24 port Gigabit Switch                                                                                                                                              | D-link  | 3150              | 1   | 3150/-        |
|         |                    |                | HP Laser jet 1022 printer                                                                                                                                           | Hp      | 11500             | 1   | 11500/-       |
|         |                    |                | CC TV Camera                                                                                                                                                        | CP-PLUS | 1627/-            | 1   | 1627/-        |
|         |                    |                | Patch Cord 1 Mtr                                                                                                                                                    |         | 130/-             | 20  | 2600          |
|         |                    |                | Network I/O D Link                                                                                                                                                  | D-Link  | 217/-             | 15  | 4340/-        |
|         |                    |                | 5KV Servo Stabilizer                                                                                                                                                | SERVO   | 9000/-            | 2   | 18000/-       |
|         |                    |                |                                                                                                                                                                     |         | Total Cost: (Rs.) |     | 5,72,727/-    |

  
Prof. V. R. Mote  
Lab In charge

  
Prof. V.A. Losarwar  
HOD, CSE Dept.  
P.E.S. College of Engineering  
Nagpur - 440012, Maharashtra

P.E.S College of Engineering  
Department of Computer Science & Engineering  
Computer Centre  
Lab In Charge: Prof K.R.Dabhade  
List of Equipments

| SR. NO.        | ITEM DISCRIPTION                                                                                                                      | MAKE   | Qty | COST  | TOTAL AMOUNT |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------|--------|-----|-------|--------------|
| 1              | Intel P4 3Ghz 800MGHZ FSB with HT EM640<br>Cache Intel 915G Chipset 80 GB SATA Upgraded<br>to Processor Intel Core 2 Duo RAM 1GB DDR2 | HCL    | 7   | 25636 | 179452       |
|                | Intel P4 3Ghz 800MGHZ FSB with HT EM640<br>Cache Intel 915G Chipset 80 GB SATA Upgraded<br>to Processor Intel Core 2 Duo RAM 1GB DDR2 | HCL    | 5   | 25480 | 127400       |
|                | Intel P4 3Ghz 800MGHZ FSB with HT EM640<br>Cache Intel 915G Chipset 80 GB SATA Upgraded<br>to Processor Intel Core 2 Duo RAM 1GB DDR2 | HCL    | 32  | 20280 | 648960       |
| 2              | Intel P4 3Ghz 800MGHZ FSB with HT EM640                                                                                               | HCL    | 6   | 29640 | 177840       |
| 3              | Cache Intel 915G Chipset 80 GB SATA Upgraded                                                                                          |        |     |       |              |
| 4              | to Processor Intel Core 2 Duo RAM 1GB DDR2                                                                                            |        |     |       |              |
| 5              | 52 Port GB Switch D-Link                                                                                                              | D-Link | 1   | 10118 | 10118        |
| 7              | Network Rack 9 u                                                                                                                      |        | 1   | 4500  | 4500         |
| 8              | Keyboard                                                                                                                              |        | 50  | 16132 | 16132        |
| 9              | Mouse Iball USB Style36                                                                                                               | i ball | 50  | 12735 | 12735        |
| 10             | Maintanance & Upgradation of RAM Processor                                                                                            |        |     |       | 222910       |
| 11             | Stool                                                                                                                                 | Pavan  | 50  | 14471 | 14471        |
| 12             | Stabilizers                                                                                                                           | Servo  | 3   | 27000 | 27000        |
| 13             |                                                                                                                                       |        |     |       |              |
| Total LAB Cost |                                                                                                                                       |        |     |       | 1441518      |

  
Prof K.R.Dabhade  
Lab In charge

  
Prof V.A.Losarwar  
HOD,CSE Dept.

*Dep. Head of Engineering  
Department, P.E.S. College of Engineering  
Pune-411 004*

# Hardware Lab

## List of Equipments

| Sr no | Particulars      | Make | Specifications                                                                                                               | Qty | Cost                   |
|-------|------------------|------|------------------------------------------------------------------------------------------------------------------------------|-----|------------------------|
| 1     | Desktop computer | HCL  | Intel Pentium- V (3) Ghz<br>,256MB RAM,40 Gb<br>HDD,Intel 915G chipset 15"<br>Color monitor, Keyboard and<br>optical mouse   | 4   | 25,636x4=<br>1,02,544  |
| 2     | Desktop computer | HCL  | Intel Pentium- V (3.2) Ghz<br>,256MB RAM,80 Gb<br>HDD,Intel 915G chipset 15"<br>Color monitor, Keyboard and<br>optical mouse | 11  | 20,280x11=<br>2,23,080 |
| 3     | Desktop computer | HCL  | Intel Pentium- V (3.2) Ghz<br>,512MB RAM,80 Gb<br>HDD,Intel 915G chipset 15"<br>Color monitor, Keyboard and<br>optical mouse | 1   | 29,640                 |
| 4     | Servo Stabilizer |      | 5KV Servo Stabilizer                                                                                                         | 2   | 9,000                  |

**Total Cost: 3,64,264/-**

  
 Prof. A. S. Gadekar  
 Lab In Charge  
 CN Lab

  
 Prof. V. A. Losarwar  
 Head  
 CSE Dept.

P.E.S College of Engineering  
Department of Computer Science & Engineering  
Laboratory: Programming Development Lab  
Lab In Charge: Prof B.N. Jha  
List of Equipments

| SR. NO         | ITEM DISCRPTION                                                                                                                                                                              | MAKE      | Qty | COST  | TOTAL AMOUNT |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|-------|--------------|
| 1              | LENEVO Desktop, Intel Pentium Dual Core, E2160 1.8 Ghz, 1 gb DDR2, 160 GB HDD,7200 rpm, 17" TFT Monitor 16 X DVD ROM, KeyBoard, Mouse, Integrated Graphics, Media Accelator 3000 Gigabit LAN | LENEVO    | 15  | 23088 | 346320       |
| 2              | Epson Dot Matrix printer FX2175,136 Column                                                                                                                                                   | Epson     | 1   | 11500 | 11500        |
| 3              | D-Link 24 port Switch                                                                                                                                                                        | D-Link    | 1   | 10169 | 10169        |
| 4              | Servo Stablizer 5KVA                                                                                                                                                                         | VS 5      | 2   | 9000  | 18000        |
| 6              | UPS 3KVA with Batteries                                                                                                                                                                      | APC       | 1   | 52433 | 52433        |
| 8              | MS-WIN SL 8.1 SNGL OLP NL LEG GETAE (4HR-00400)                                                                                                                                              | Microsoft | 15  | 6135  | 92025        |
| 9              | DSKTP EDU ALNG LIC SAPK OLVE IY ENT (2UJ-00011                                                                                                                                               | Microsoft | 9   | 3460  | 31140        |
| Total LAB Cost |                                                                                                                                                                                              |           |     |       | Rs. 561587   |

Prof. B.N. Jha

Lab In charge

Prof. V.A. Losarwar

HOD, CSE Dept.  
Mrs. V.A. Losarwar  
Asst. Professor & Head  
Dept. Of Computer Science & Engg.  
P.E.S. College Of Engineering  
Chennai, Tamilnadu

**P.E.S COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**TOTAL COST OF LABORATORY EQUIPMENT**

| Sr. no           | Name of Laboratory         | Cost of Equipments in Rs. |
|------------------|----------------------------|---------------------------|
| 1                | Electrical Machines        | 11,80,240                 |
| 2                | Power Electronics Lab      | 12,43,328                 |
| 3                | Control System Lab         | 11,73,142                 |
| 4                | Electrical measurement Lab | 2,68,437                  |
| 5                | Advance Computing Lab      | 15,95,861                 |
| 6                | Digital Electronics Lab    | 52,100                    |
| 7                | Microcontroller Lab        | 4,20,700                  |
| 8                | Computer Lab 2             | 8,00,270                  |
| 9                | Power System Lab           | 6,79,119                  |
| 10               | Applied electronics        | 3,94,310                  |
| 11               | Advance Computer Lab (PGL) | 6,6,9852                  |
| Total Cost in Rs |                            | 8,477,359/-               |

  
**Chaudhari B. N.**  
(Associate Professor)  
HEAD  
Department of Electrical Engineering  
P.E.S. College of Engineering,  
Aurangabad.

16-01-2015

## Department of Electronics Engineering

Information required to be submitted related to expenditures in current year and budget for next year:

### I) Expenditure made so far in the year 2014-2015:

|                                                               |               |
|---------------------------------------------------------------|---------------|
| 1. 8051 microcontroller and 8086 microprocessor kits (6 each) | : 1,05,000=00 |
| (material is received, but testing and payment is to be done) |               |
| 2. Universal programmer and 8051 development board            | : 45,000=00   |
| (material ordered, yet to be received)                        |               |
| 3. Computers(20 no) and Printers(5 no)                        | : 7,50,000=00 |
| (procurement is in progress)                                  |               |
|                                                               | <hr/>         |
| Total:                                                        | 9,00,000=00   |

### II) Tentative budget for the academic year 2015-16:

|                                                  |                |
|--------------------------------------------------|----------------|
| 1. Trainer kits and advanced softwares for ADSP  | : 5,00,000=00  |
| 2. Experimental trainers and software for PE lab | : 3,00,000=00  |
| 3. Trainer kits for VLSI with recent softwares   | : 4,00,000=00  |
| 4. Experiment set ups in view of proposed ME     | : 20,00,000=00 |
|                                                  | <hr/>          |
| Total:                                           | 32,00,000=00   |

  
Head  
Dept. of Electronics  
P.E.S. College of Engineering  
Aurangabad

## Department of Electronics and Telecommunication Engineering

## Laboratory Details:

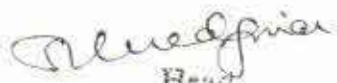
|                             |                                      |
|-----------------------------|--------------------------------------|
| Dept and Level wise program | BE-Electronics and Telecommunication |
| Level                       | UG                                   |
| Course                      | Engineering, Full Time, First shift  |

|                                        |                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the laboratory                 | Broadband high speed network and DSP lab                                                                                                                                                                                                                                                                                                               |
| Major equipments in the laboratory     | IBM Servers X3400 & X3200, IBM Lenovo workstations, DSP developer kits, Cisco Access points, switches and antennae, UPS set-up, LCD projectors, Cisco-Linksys transceiver modules, Licensed software like Multisim, Matlab, Signal processing toolbox, Ultiboard, Circuit simulation ICAP4, DSP block set, image processing tool box, Wavelet tool box |
| No. of PCs available                   | 40                                                                                                                                                                                                                                                                                                                                                     |
| Amount spent till date                 | 69,30,870=00                                                                                                                                                                                                                                                                                                                                           |
| Budget for the current year (in lakhs) | 3 lakhs                                                                                                                                                                                                                                                                                                                                                |
| First aid facility                     | Available                                                                                                                                                                                                                                                                                                                                              |

|                                        |                                                                                                                                                                               |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the laboratory                 | Texas Innovation Lab (VLSI Laboratory)                                                                                                                                        |
| Major equipments in the laboratory     | IBM workstations, Xilinx make VLSI software ISE 6.2, CPLD trainer kits, Universal trainer, VLSI design software Xilinx Vivado (25 user), Spartan-6 FPGA boards (Trainer Kits) |
| No. of PCs available                   | 35                                                                                                                                                                            |
| Amount spent till date                 | 13,57,230=00                                                                                                                                                                  |
| Budget for the current year (in lakhs) | 1,50,000=00                                                                                                                                                                   |
| First aid facility                     | Available                                                                                                                                                                     |

|                                        |                                                                                                                                                   |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the laboratory                 | Power Electronics Laboratory                                                                                                                      |
| Major equipments in the laboratory     | HF induction heating demo kit, 3 phase HW and FW converter, SCR converter with reactive loads, Universal motor control kit, AC voltage controller |
| No. of PCs available                   | 2                                                                                                                                                 |
| Amount spent till date                 | 5,36,400=00                                                                                                                                       |
| Budget for the current year (in lakhs) | 5,00,000=00                                                                                                                                       |
| First aid facility                     | Available                                                                                                                                         |

|                                        |                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Name of the laboratory                 | Consumer Electronics Laboratory                                                                                              |
| Major equipments in the laboratory     | Fiber optic trainer kits, Distortion factor meter, Spectrum analyzer, Digital Storage Oscilloscope, CRO Demonstrator Trainer |
| No. of PCs available                   | 1                                                                                                                            |
| Amount spent till date                 | 5,69,000=00                                                                                                                  |
| Budget for the current year (in lakhs) | 2,50,000=00                                                                                                                  |
| First aid facility                     | Available                                                                                                                    |

  
 Head  
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 Aurangabad

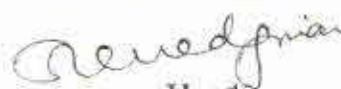
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|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Name of the laboratory                 | Instrumentation and Control Laboratory                                                                                        |
| Major equipments in the laboratory     | AC and DC position control, LVDT set-ups, Temperature sensor units, Ultrasonic Trans-receive module, CRO Demonstrator Trainer |
| No. of PCs available                   | 1                                                                                                                             |
| Amount spent till date                 | 3,22,800=00                                                                                                                   |
| Budget for the current year (in lakhs) | Nil                                                                                                                           |
| First aid facility                     | Available                                                                                                                     |

|                                        |                                                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Name of the laboratory                 | Microprocessor Laboratory                                                                                    |
| Major equipments in the laboratory     | Dynalog make processor trainer kits, Anshuman make 8051 trainer kits, Dynalog make microcontroller trainers. |
| No. of PCs available                   | 1                                                                                                            |
| Amount spent till date                 | 5,32,450=00                                                                                                  |
| Budget for the current year (in lakhs) | 3,50,000=00                                                                                                  |
| First aid facility                     | Available                                                                                                    |

|                                        |                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------|
| Name of the laboratory                 | Communication Engineering Laboratory                                               |
| Major equipments in the laboratory     | Klystron and Gunn based microwave set-ups, TV and VCR trainers, Pattern Generators |
| No. of PCs available                   | 1                                                                                  |
| Amount spent till date                 | 4,94,000=00                                                                        |
| Budget for the current year (in lakhs) | 2,00,000=00                                                                        |
| First aid facility                     | Available                                                                          |

|                                        |                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------|
| Name of the laboratory                 | PCB and Workshop Laboratory                                                                      |
| Major equipments in the laboratory     | PCB Lamination, Drilling, Cutting, Etching, Roller tinning machines, Photo processing equipments |
| No. of PCs available                   | 1                                                                                                |
| Amount spent till date                 | 4,55,000=00                                                                                      |
| Budget for the current year (in lakhs) | Nil                                                                                              |
| First aid facility                     | Available                                                                                        |

|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Name of the laboratory                 | Digital Electronics Laboratory            |
| Major equipments in the laboratory     | Digital Bread-boarding systems, IC tester |
| No. of PCs available                   | 1                                         |
| Amount spent till date                 | 1,08,000=00                               |
| Budget for the current year (in lakhs) | Nil                                       |
| First aid facility                     | Available                                 |

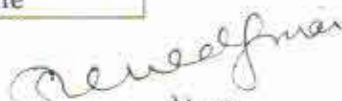
  
 Head  
 Dept. of Electronics  
 P.E.S. College of Engineering  
 Aurangabad

## P.E.S.COLLEGE OF ENGINEERING

## Electronics Department

| Sr. No. | Particulars                                                  | Available with institute as per EOA | Quantity                                          | Remark in case of deficiency |
|---------|--------------------------------------------------------------|-------------------------------------|---------------------------------------------------|------------------------------|
| 1       | Number of PCs                                                | YES                                 | 74+1(as a sever)=75                               |                              |
| 2       | LAN & Internet                                               | YES                                 | No of PCs in LAN:51<br>No of PCs in Internet : 54 |                              |
| 3       | Mail server & Client                                         | YES                                 | 1                                                 |                              |
| 4       | Internet Mbps (Bandwidth)                                    | YES                                 | 20Mbps                                            |                              |
| 5       | Printers                                                     | YES                                 | 3                                                 |                              |
| 6       | PCs exclusively available for students in ratio as per norms | YES                                 | 1:4                                               |                              |
| 7       | PCs available for administration / Office use                | YES                                 | 1                                                 |                              |
| 8       | PCs in library & language lab as per norms                   | YES                                 | 1                                                 |                              |
| 9       | PCs made available to faculties in adequate numbers          | YES                                 | 1 for each lab                                    |                              |
| 10      | Printers made available to students                          | YES                                 | 1                                                 |                              |

| Sr. No. | Particulars   | Quantity                               |
|---------|---------------|----------------------------------------|
| 1       | Number of PCs | 74+1(as a sever)=75                    |
| 2       | Printers      | 5                                      |
| 3       | Scanners      | 1                                      |
| 4       | Projectors    | 4                                      |
| 5       | Generators    | Nil                                    |
| 6       | UPS           | 32 KVA-<br>1online(5KVA)<br>4 off-line |

  
 Head  
 Dept. of Electronics  
 P.E.S. College of Engineering  
 Aurangabad

# P.E.S. College of Engineering

Aurangabad

## Department of Electronics Engineering

List of Equipments costing more than 50,000=00:

| Sr.No. | Name of Equipment                                                                | Rate      | Qty. | Total Amount |
|--------|----------------------------------------------------------------------------------|-----------|------|--------------|
| 1      | IBM Server P-3 20GB HDD, 625 MB RAM, 1.6 GHz                                     | 100000=00 | 01   | 100000=00    |
| 2      | Embedded Target for Tic6000                                                      | 69891=00  | 01   | 69891=00     |
| 3      | Simulink Blockset                                                                | 69891=00  | 01   | 69891=00     |
| 4      | Real Time Workshop                                                               | 69891=00  | 01   | 69891=00     |
| 5      | HP Laptop NX 6120                                                                | 57700=00  | 01   | 57700=00     |
| 6      | IBM Server X Series 3400 Xeon 5310 quad core 1.6 GHz Processor, 1066 MHz FSB     | 146120=00 | 01   | 146120=00    |
| 7      | LCD Projector Digipro/Optoma                                                     | 135250=00 | 01   | 135250=00    |
| 8      | IBM Dual Core Server X3200M2, Intel Xeon(dual core) 3GHz, 6MB, L2 Cache, 2GB DDR | 53800=00  | 01   | 53800=00     |
| 9      | Fiber optic training system                                                      | 189808=00 | 01   | 189808=00    |
| 10     | Fiber optic training Lab                                                         | 75000=00  | 01   | 75000=00     |
| 11     | Spectrum Analyzer                                                                | 87516=00  | 01   | 87516=00     |
| 12     | VCR Trainer                                                                      | 53300=00  | 01   | 53300=00     |
| 13     | Microwave Trainer Kit                                                            | 63726=00  | 01   | 63726=00     |
| 14     | X-band Microwave test Bench Gunn Set up                                          | 93798=00  | 01   | 93798=00     |

Total: 1265691=00

*(Signature)*  
 Head  
 Dept. of Electronics  
 P.E.S. College of Engineering  
 Aurangabad

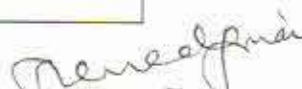
## Department of Electronics

## Record of Equipments of DSP, Broadband High Speed Network &amp; VLSI Lab:

| Sr.No. | Name of Equipment                                                                                                                              | Rate      | Qty.     | Total Amount |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|--------------|
| 1      | Desktop P-3                                                                                                                                    | 25000=00  | 03       | 75000=00     |
| 2      | Multisim Simulation Software                                                                                                                   | 45000=00  | 01       | 45000=00     |
| 3      | IBM Server P-3 20GB HDD, 625 MB RAM, 1.6 GHz                                                                                                   | 100000=00 | 01       | 100000=00    |
| 4      | MATLAB Software 6.1                                                                                                                            | 47027=00  | 01       | 47027=00     |
| 5      | Signal Processing Toolbox                                                                                                                      | 18812=00  | 01       | 18812=00     |
| 6      | DSP Developers Kit                                                                                                                             | 18812=00  | 02       | 37624=00     |
| 7      | DSP Software                                                                                                                                   | 9783=00   | 01       | 9783=00      |
| 8      | DSK TMS 320c6711                                                                                                                               | 24700=00  | 02       | 49400=00     |
| 9      | TMS320-6701                                                                                                                                    | 156750=00 | 01       | 156750=00    |
| 10     | PCB Design Software Ultiboard                                                                                                                  | 83125=00  | 05 users | 83125=00     |
| 11     | 5 KVA Servo Stabilizer                                                                                                                         | 6937=00   | 04       | 27748=00     |
| 12     | Zenith Desktop Intel Pentium P-4 1.6 GHz, 256 MB RAM, 40 GB HDD, 144 MB FDD, 15" digital color monitor, keyboard, scrolling mouse, D link cord | 28500=00  | 12       | 342000=00    |
| 13     | Pronet 24 Port Switch                                                                                                                          | 13500=00  | 01       | 13500=00     |
| 14     | Laser Printer, HP make Laserjet                                                                                                                | 15200=00  | 01       | 15200=00     |
| 15     | Dot Matrix Printer, Epson                                                                                                                      | 13500=00  | 01       | 13500=00     |
| 16     | Circuit Simulation ICAP/4 S/w                                                                                                                  | 29952=00  | 05 users | 149760=00    |
| 17     | Matlab 6.5                                                                                                                                     | 42145=00  | 05       | 210725=00    |
| 18     | MATLAB Signal Processing                                                                                                                       | 17983=00  | 05       | 89915=00     |
| 19     | Matlab Link to CCS                                                                                                                             | 27957=00  | 01       | 27957=00     |
| 20     | Embedded Target for Tic6000                                                                                                                    | 69891=00  | 01       | 69891=00     |
| 21     | Simulink Blockset                                                                                                                              | 69891=00  | 01       | 69891=00     |
| 22     | DSP Blockset                                                                                                                                   | 27957=00  | 01       | 27957=00     |
| 23     | Real Time Workshop                                                                                                                             | 69891=00  | 01       | 69891=00     |
| 24     | Fixed Point Blockset                                                                                                                           | 27957=00  | 01       | 27957=00     |
| 25     | Matlab Image Processing Toolbox                                                                                                                | 27957=00  | 01       | 27957=00     |
| 26     | HCL Desktop                                                                                                                                    | 30900=00  | 06       | 185400=00    |
| 27     | Desktop 512MB DDR1 RAM                                                                                                                         | 1650=00   | 01       | 1650=00      |
| 28     | Speaker Ahuja-SK-12                                                                                                                            | 2800=00   | 01       | 2800=00      |
| 29     | Wireless Keyboard and Optical Mouse                                                                                                            | 2200=00   | 01       | 2200=00      |
| 30     | HP Laptop NX 6120                                                                                                                              | 57700=00  | 01       | 57700=00     |
| 31     | HP CLJ 2600N                                                                                                                                   | 18700=00  | 01       | 18700=00     |
| 32     | HP Scanner 4370                                                                                                                                | 7572=00   | 01       | 7572=00      |

*Arvind Jain*  
 Head  
 Dept. of Electronics  
 P.E.S. College of Engineering  
 Aurangabad

|    |                                                                                      |           |          |           |
|----|--------------------------------------------------------------------------------------|-----------|----------|-----------|
| 33 | Access Point D-Link 2100 AP                                                          | 3750=00   | 01       | 3750=00   |
| 34 | Access Point D-Link Wireless                                                         | 3952=00   | 03       | 11856=00  |
| 35 | LAN Card D Link Wireless                                                             | 2444=00   | 05       | 12220=00  |
| 36 | Switch Rack D Link                                                                   | 7228=00   | 02       | 14456=00  |
| 37 | LAN Card 1 GB Ethernet                                                               | 1092=00   | 12       | 13104=00  |
| 38 | Matlab Image Processing Tool Box                                                     | 22379=00  | 04       | 22379=00  |
| 39 | Wavelet Tool Box Matlab                                                              | 26788=00  | 01       | 26788=00  |
| 40 | Upgradation of previous matlab 6.5 to latest a)Matlab b) Image Processing Toolbox    | 79407=00  | 05<br>01 | 79407=00  |
| 41 | RAM 512 ELL for 1MB Server                                                           | 7850=00   | 01       | 7850=00   |
| 42 | UPS Hykon make offline                                                               | 15223=00  | 01       | 15223=00  |
| 43 | Battery "AMCO" make 12V, 150AH                                                       | 5289=00   | 02       | 11900=00  |
| 44 | IBM Lenovo Workstations 2 Duo E 8200, 2GB RAM, 17" TFT                               | 30900=00  | 20       | 618800=00 |
| 45 | Modular Auto AP Platform Model-AIR-AP1250-SFCW124710                                 | 29344=00  | 01       | 29344=00  |
| 46 | Bracket Kit 1250 Series Model-AIR-AP1250-MNTGKIT                                     | 1087=00   | 01       | 1087=00   |
| 47 | Antenna Cable 20ft, 020LL-R                                                          | 4224=00   | 02       | 8448=00   |
| 48 | Antenna Cable 50ft, 02011-R                                                          | 6520=00   | 03       | 19472=00  |
| 49 | Arrestor 2.4 GHz, ACC245LA-R                                                         | 6817=00   | 01       | 6817=00   |
| 50 | Arrestor 2.4 GHz, ACC3354                                                            | 6817=00   | 01       | 6817=00   |
| 51 | Wall Mount Kit, Cisco 1300, BR1310G-A-K9-R                                           | 2914=00   | 01       | 2914=00   |
| 52 | Switch 8 Port 10/100/1000 Managed L2 Switch with SFP slot                            | 13000=00  | 02       | 26000=00  |
| 53 | Cisco Outdoor Access Point Aironet 1310 AIR-BR-A-K9-R                                | 43200=00  | 01       | 43200=00  |
| 54 | Cisco Antenna Yagi Mast Mount AIR-ANT2414S-R                                         | 40000=00  | 01       | 40000=00  |
| 55 | Cisco Indoor Access Point Aironet AIR-RM 1252G-A-K9                                  | 11665=50  | 02       | 23311=00  |
| 56 | Cisco Antenna AIR-ANT2410Y-R Yagi Wall Mount                                         | 9900=00   | 02       | 19800=00  |
| 57 | Antenna ANT 24-1200                                                                  | 4750=00   | 02       | 9500=00   |
| 58 | IBM Server X Series 3400 Xeon 5310 quad core 1.6 GHz Processor, 1066 MHz FSB         | 146120=00 | 01       | 146120=00 |
| 59 | Laptop Battery HP make NX6120                                                        | 6500=00   | 01       | 6500=00   |
| 60 | UPS 4X5 KVA Hycon, 1.5 KVA Online, 3X Invadore 25 XL Battery, 24 X SB 200 XL Battery | 507965=00 | 01       | 507965=00 |
| 61 | Sony Video Camera and Accessories                                                    | 28922=00  | 01       | 28922=00  |

  
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|    |                                                                                  |           |    |           |
|----|----------------------------------------------------------------------------------|-----------|----|-----------|
| 62 | Monitor 17"Lenovo make TFT                                                       | 10400=00  | 05 | 52000=00  |
| 63 | IBM Lenovo Desktop                                                               | 22200=00  | 15 | 333000=00 |
| 64 | Cisco / Linksys managed 24 port 1 GB switches                                    | 38900=00  | 03 | 116700=00 |
| 65 | Cisco / Linksys unmanaged 24 port 1 GB switches                                  | 17650=00  | 04 | 70600=00  |
| 66 | D-Link KVM Network Switch                                                        | 2200=00   | 01 | 2200=00   |
| 67 | Print Server D-Link single USB Port RJ-45 10-T/100 base-TX                       | 3300=00   | 02 | 6600=00   |
| 68 | D-Link single port parallel Print Servers                                        | 3000=00   | 02 | 6000=00   |
| 69 | Wireless Adapters Cisco/Linksys 802.11g LAN USB 2.0                              | 1400=00   | 04 | 5600=00   |
| 70 | PCI Cards Cisco/Linksys 802.11g wireless LAN USB 2.0                             | 3940=00   | 02 | 7880=00   |
| 71 | Wireless Notebook Adapter Cisco/Linksys                                          | 3940=00   | 01 | 3940=00   |
| 72 | Outdoor Access Point with RP-TNC type connectors, FCC config.                    | 43200=00  | 01 | 43200=00  |
| 73 | Cisco Antenna Yagi Mast Mount                                                    | 40000=00  | 01 | 40000=00  |
| 74 | Cisco Indoor Access Point with RP-TNC type connectors                            | 11655=00  | 02 | 23310=00  |
| 75 | Cisco Antenna with RP-TNC connector, yagi wall mount                             | 9900=00   | 02 | 19800=00  |
| 76 | Transcend DDR 1 RAM 512MB                                                        | 9216=00   | 15 | 13890=00  |
| 77 | Transcend DDR 1 RAM1 GB                                                          | 1734=00   | 06 | 10404=00  |
| 78 | Cisco/Linksys ADSL Router with DMZ facility                                      | 7685=00   | 01 | 7685=00   |
| 79 | Valrack 22U with accessories                                                     | 16600=00  | 01 | 16600=00  |
| 80 | Patch Panel Nexans 24 port                                                       | 5000=00   | 07 | 35000=00  |
| 81 | LCD Projector Digipro/Optoma                                                     | 135250=00 | 01 | 135250=00 |
| 82 | Wireless module Digipro/Optoma                                                   | 21475=00  | 01 | 21475=00  |
| 83 | Laser Presenter Digipro/Optoma                                                   | 4700=00   | 01 | 4700=00   |
| 84 | IBM Dual Core Server X3200M2, Intel Xeon(dual core) 3GHz, 6MB, L2 Cache, 2GB DDR | 53800=00  | 01 | 53800=00  |
| 85 | HDD 146GB HS 3.5"15k RPM                                                         | 11000=00  | 01 | 11000=00  |
| 86 | 8-port 10/100/1000 managed L2 switch with 2GWE combo SFP slot with all gigo port | 13000=00  | 06 | 78000=00  |
| 87 | Transceiver Cisco Linksys module                                                 | 13520=00  | 10 | 135200=00 |
| 88 | Duplex Patch Cord Nexans SC to SC, 3 meters, SM-3mm jacketed                     | 281=50    | 40 | 11263=00  |
| 89 | Fiber Patch Panel Nexans 16 port Rack mount                                      | 1185=50   | 04 | 4742=00   |

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|     |                                                                                 |          |    |           |
|-----|---------------------------------------------------------------------------------|----------|----|-----------|
| 90  | Patch Cord Nexans LC to SC Duplex, 3 meters, 3mm jacketed                       | 1729=00  | 04 | 6916=00   |
| 91  | Fiber Patch Panel Nexans 16 port Rack mount, fully loaded                       | 4841=00  | 01 | 4841=00   |
| 92  | Fiber Patch Panel Nexans 4 port Rack mount, fully loaded                        | 2766=25  | 04 | 11065=00  |
| 93  | Switch Rack                                                                     | 5236=00  | 06 | 31421=00  |
| 94  | Smartnet Modular auto AP platform                                               | 29343=00 | 01 | 29343=00  |
| 95  | Smartnet NBD modular auto AP platform                                           | 3362=00  | 01 | 3362=00   |
| 96  | Smartnet NBD 820.11                                                             | 1334=00  | 02 | 2668=00   |
| 97  | Wall Mount Bracket Kit 1250 series                                              | 1088=00  | 01 | 1088=00   |
| 98  | Cable Interconnect 20 ft low loss                                               | 4223=50  | 02 | 8447=00   |
| 99  | Cable Interconnect 50 ft low loss                                               | 6520=00  | 03 | 19562=00  |
| 100 | Arrestor 2.4 GHz, use with Cisco Aironet 1250 series access point               | 6814=00  | 02 | 13634=00  |
| 101 | Arrestor 2.4 GHz, use with Cisco Aironet 1300 series access point               | 6817=00  | 01 | 6817=00   |
| 102 | CPLD Trainer Kit                                                                | 10200=00 | 01 | 10200=00  |
| 103 | Xilinx make VLSI software                                                       | 40000=00 | 01 | 40000=00  |
| 104 | Universal Trainer Kit                                                           | 16150=00 | 01 | 16150=00  |
| 105 | CPLD adapter                                                                    | 2125=00  | 01 | 2125=00   |
| 106 | DELL make PC machines: 3020M, Dual Core, 3MB, 3GHz, 18.5"                       | 29500=00 | 20 | 644280=00 |
| 107 | VLSI Design software: Xilinx VIVADO Design suite                                | 25 user  | 01 | 165000=00 |
| 108 | VLSI Trainer Kits: Nexys3 Xilinx Spartan-6 FPGA Board with 16 MB RAM, 8 bit VGA | 22680=00 | 04 | 85730=00  |

Total: 82,43,820=00

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# P.E.S. COLLEGE OF ENGINEERING, AURANGABAD

## MECHANICAL ENGINEERING Departement

Lab Area Details as per AICTE NORMS

| SR. NO. | NAME OF Laboratory                   | Qty. No | Carpet Area Sq. M |          | Remark    |
|---------|--------------------------------------|---------|-------------------|----------|-----------|
|         |                                      |         | As per AICTE      | Availabe | Short/ Ok |
| 1       | Class rooms                          | 4       | 66                | 270      | ok        |
| 2       | Theory of machine                    | 1       | 66                | 85       | ok        |
| 3       | Metallurgy, Metrology & MM           | 1       | 66                | 82       | ok        |
| 4       | Automatic Control System             | 1       | 66                | 66       | ok        |
| 5       | computer center/ CAD/CAM             | 1       | 66                | 94       | ok        |
| 6       | refrigeration & Air conditioning     | 1       | 66                | 72       | ok        |
| 7       | Thermal Engineering                  | 1       | 66                | 118      | ok        |
| 8       | I C engine & Aurombile               | 1       | 66                | 100      | ok        |
| 9       | Fluid Mechanics & Machines           | 1       | 66                | 100      | ok        |
| 10      | Heat Transfer                        | 1       | 66                | 97       | ok        |
| 11      | Robotics & automation                | 1       | 66                | 66       | ok        |
| 12      | DH-1                                 | 1       | 132               | 158      | ok        |
| 13      | DH-2                                 | 1       | 132               | 100      | ok        |
| 14      | Seminar Hall                         | 1       | 132               | 61       | ok        |
| 15      | Departemental Library + Reading room | 1       | 400               | 37       | ok        |
| 16      | Ladies Common Room                   | 1       | 100               | 27       | ok        |
| 17      | Work shop                            | 1       | 200               | 800      | ok        |
|         |                                      |         |                   |          |           |

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Mechanical Engineering  
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Aurangabad



# P.E.S. College of Engineering

NAGSEN VANA, AURANGABAD-431 002

LAB CODE:  
PESCOE/MED/007

LABORATORY EQUIPMENT COST SHEET

ISSUE NO:

ISSUE DATE:

DEPARTMENT: **Mechanical Engineering**

LABORATORY: **CAD/CAM/CAE**

YEAR/PART: 2016 /2

PAGE: 1 OF 1

## List of **Cost of Equipments**

| SR.NO | FACILITY/EQUIPMENT DESCRIPTION     | QTY     | Cost/Item | Total Cost |
|-------|------------------------------------|---------|-----------|------------|
| 1     | Server Intel Pentium – III         | One     | 49950     | 49950      |
| 2     | Intel Celron                       | Five    | 25950     | 129750     |
| 3     | HP 710CDeskjet Color Printer       | One     | 7200      | 7200       |
| 4     | Wipro LQ -2080 Printer 132 Column  | One     | 21900     | 21900      |
| 5     | 3 KVA Servo Stabilizer             | Two     | 4500      | 4500       |
| 6     | AUTO-CAD -2000                     | One     | 44500     | 44500      |
| 7     | CNC LATHE                          | One     | 570000    | 570000     |
| 8     | IBM Server                         | One     | 115000    | 115000     |
| 9     | IBM P-III Desktop                  | Ten     | 492000    | 492000     |
| 10    | Printer Epson-LQ 2070              | One     | 15600     | 15600      |
| 11    | HP Scanner                         | One     | 6200      | 6200       |
| 12    | HP CD Writer                       | One     | 12000     | 12000      |
| 13    | Servo Stabilizer-5KVA              | One     | 15000     | 15000      |
| 14    | UPS -1KVA                          | One     | 25000     | 25000      |
| 15    | Software CATIA –V5R11 Ten user     | One     | 390000    | 390000     |
| 16    | Printer Epson-LQ 1150              | One     | 12800     | 12800      |
| 17    | Hard Disk                          | Sixteen |           | 37500      |
| 18    | IBM Computers                      | Six     |           | 210000     |
| 19    | Microsoft Windows Server software  | One     | 23500     | 23500      |
| 20    | D-link switch 24 Port              | One     | 23500     | 23500      |
| 21    | D-link switch 16 Port              | One     | 14950     | 14950      |
| 22    | Desktop PC IBM P-IV                | Six     |           | 190000     |
| 23    | Desktop PC HCL P-IV                | Four    |           | 140000     |
| 24    | Desktop PC Lenovo P-IV             | One     | 34000     | 34000      |
| 25    | HP Plotter                         | One     | 125000    | 125000     |
| 26    | LCD Projector                      | One     | 45000     | 45000      |
| 27    | UG Software –Solid Edge/CAM/Fe-Map | One     | 300000    | 300000     |
| 28    | Desktop PC, Dell                   | Ten     | 32500     | 32500      |
| 29    | UPS-with Battry back up(16/12/16)  | Two     | 52433     | 104866     |
| 30    | D-link switch 24 Port              | One     | 2484      | 2484       |
| 31    | Desktop PC, Dell Optiplex 3020 MT  | Ten     | 34800     | 348000     |
|       |                                    | Total   |           | 3730334    |

*P.L. Pandit*  
Prof. P.L. Pandit  
Lab Incharge

*R.C. Shirsat*  
Prof. R.C. Shirsat  
Lab Incharge

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Aurangabad



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NAGSEN VANA, AURANGABAD-431 002

LAB CODE:  
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LABORATORY EQUIPMENT COST SHEET

ISSUE NO:

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YEAR/PART: 2016 /2

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