



## INDEX

### Key Indicator 4.3.2

Document relating to Student-Computer Ratio in our Institution

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**STUDENT-COMPUTER RATIO IN OUR INSTITUTION=1:1  
ACADEMIC YEAR 2022-2023**

|  |                                 |
|--|---------------------------------|
| <b>Number of computers for students in working condition</b> | <b>Total Number of students</b> |
| <b>848</b>   | <b>1349</b>                     |

**COMPUTER SYSTEM & MONITOR - OVERALL DEPARTMENTS  
(STUDENTS USAGE)**

| DEPARTMENT                              | COUNT      | SERVER   | TOTAL      |
|---|------------|----------|------------|
| BIOMEDICAL ENGINEERING                  | 42         | -        | <b>848</b> |
| COMPUTER SCIENCE & ENGINEERING          | 214        | 4        |            |
| ELECTRONICS & COMMUNICATION ENGINEERING | 124        | -        |            |
| ELECTRICAL & ELECTRONICS ENGINEERING    | 52         | 1        |            |
| MECHANICAL ENGINEERING                  | 73         | 1        |            |
| INFORMATION TECHNOLOGY                  | 191        |          |            |
| MATHEMATICS LAB                         | 15         | -        |            |
| ENGLISH LANGUAGE LAB                    | 70         | 1        |            |
| CENTRAL LIBRARY                         | 60         | -        |            |
| <b>TOTAL</b>                            | <b>841</b> | <b>7</b> |            |

## STUDENT STRENGTH 2022-2023

### DETAILS OF STUDENTS AT PRESENTLY STUDYING STRENGTH IN ALL THE YEARS

| YEAR   | B.E<br>BME | B.E<br>CSE | B.E<br>CSE<br>(CS) | B.E<br>EEE | B.E<br>ECE | B.E<br>MECH. | B.<br>Tech.<br>IT | UG<br>TOTAL | M. E.<br>CAD/CA<br>M | M. E.<br>EST | M. E.<br>SW | M. E.<br>BDA | PG<br>TOTAL | UG &<br>PG<br>TOTAL |
|--------|------------|------------|--------------------|------------|------------|--------------|-------------------|-------------|----------------------|--------------|-------------|--------------|-------------|---------------------|
| I YR   | 59         | 90         | 63                 | 57         | 57         | 46           | 63                | 435         | 4                    | 3            | 4           | 1            | 12          | 447                 |
| II YR  | 59         | 66         | -                  | 58         | 64         | 54           | 63                | 364         | 5                    | 1            | 1           | 1            | 8           | 372                 |
| III YR | 42         | 61         | -                  | 49         | 52         | 34           | 61                | 299         | -                    | -            | -           | -            | -           | 299                 |
| IV YR  | -          | 62         | -                  | 30         | 41         | 35           | 63                | 231         | -                    | -            | -           | -            | -           | 231                 |
| TOTAL  | 160        | 279        | 63                 | 194        | 214        | 169          | 250               | 1329        | 9                    | 4            | 5           | 2            | 20          | 1349                |

### RATIO FOR THE LATEST ACADEMIC YEAR

| NO OF STUDENTS | NO OF COMPUTERS | STUDENT COMPUTER RATIO |
|----------------|-----------------|------------------------|
| 1349           | 848             | 1.59 (1:2)             |

## Overall System Details:

### SEVER DETAILS:

1. HP ML 350GB XEON 2.0 PROCESSOR, 4GB DDR3RAM 1.3 CACHE, HDD 1TB, 1GB N/W ADAPTER, DVD WRITER, 18.5 LCD MONITOR,USB KEYBOARD & MOUSE.
2. HP ML 330 XEON 2.0 PROCESSOR, 4GB DDR3RAM 1.3 Cache, HDD 500GB, 1GB N/W ADAPTER, DVD DRIVE, 18.5 LCD MONITOR, USB KEYBOARD & MOUSE.
3. HP 110G7 INTEL XEON E3 1220 3.10 GHZ, 8GB DDR3 RAM ,1TB HDD, 1GB N/W ADAPTER, DVD DRIVE 8X ,18.5 LED MONITOR, USB KEYBOARD & MOUSE.
4. IBM X3100M4E3 1220 V2 3.10GhZ, 8GB DDR RAM, 2TB HDD, 18.5 LCD Monitor, 1GB\*2 N/W ADAPTER, DVD DRIVE 8X, USB KEYBOARD & MOUSE.
5. DELL SERVER POWEREDGE R320 INTEL XEON E5 2407, 3\*1TB HDD, 8GB DDR3 RAM, 8XDVD WRITER, 18.5 LED MONITOR, USB KEYBOARD & MOUSE.
6. HP Z820 Tower Workstation  
  
Intel Xeon Dual/Quad/Hex/Eight Core (E5 Series), RAM: 32GB DDR3 ECC or Non-ECC RAM, Hard Drives: 3TB SAS/SATA, Drive Controller: Integrated 10-Channel SAS/SATA RAID, Power Supply: 850W, MONITOR 18.5 LCD MONITOR, USB KEYBOARD & MOUSE.
7. Dell PowerEdge R410 Server, Intel Xeon Hexa Core Processors x 5650, 2.66 GHz, 3TB RPM SATA Hard disk, 64 GB RAM, 2 Port Broadcom Gigabit, Monitor, USB Keyboard and Mouse.
8. Firewall:  
  
SOPHOS XG310 (SFOS 18.0.3 MR-3) C320ABQDF7FGG8F

## Clients:

1. **Wipro:** Core i3 Processor 3.2 GHZ, Intel chipset 2GB DDR 3 RAM, 320 GB SATA CABLE 1GB Network connection 18.5 LED monitor USB keyboard & Mouse.

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2. **HP :** Hp Elite 7100 Core i3 Processor 3.2 GHZ, Intel chipset 2GB DDR 3 RAM, 320 GB SATA HDD, 1GB Network connection 18.5 LCD monitor USB keyboard & Mouse.

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3. **HP:** Core i3 Processor 3.2 GHZ, Intel chipset 2GB DDR 3 RAM, 320 GB SATA HDD, 1GB Network Card, 18.5 LCD monitor USB keyboard & Mouse.  
**Lenovo:** Core i3 Processor 3.2 GHZ, Intel chipset 2GB DDR 3 RAM, 320 GB SATA HDD, 1GB Network Card, 18.5 LCD monitor USB keyboard & Mouse.

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4. **Lenovo:** Core i3 Processor 3.3 GHZ, Intel chipset 2GB DDR 3 RAM, 320 GB SATA HDD, 1GB Network Card, 18.5 LCD monitor USB keyboard & Mouse.
5. **Lenovo(mech):** Core i3 Processor 3.3 GHZ, Intel chipset 4 GB DDR 3 RAM, 500 GB SATA HDD, 1GB Graphical Card, 1GB Network Card, 18.5 LCD monitor USB keyboard & Mouse.

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6. **DELL(ece):** Core i3 Processor 3.3 GHZ, Intel chipset 2GB DDR 3 RAM, 500 GB SATA HDD, 1GB Network Card, 18.5 LCD monitor, USB keyboard & Mouse.

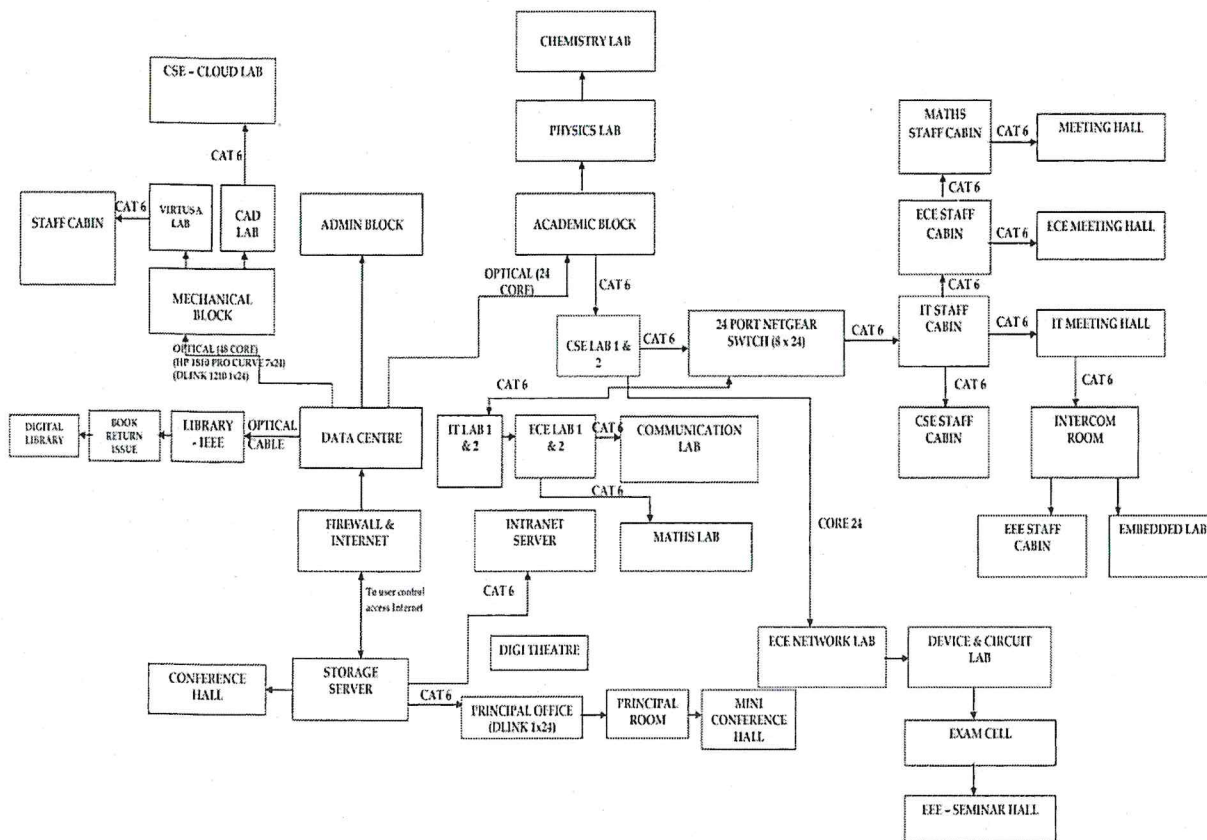
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7. **Lenovo(ban):** Core i5 Processor 3.2 GHZ, Intel chipset 4 GB DDR 3 RAM, 320 GB SATA HDD, 1GB Network Card, 18.5 LCD monitor USB keyboard & Mouse.

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8. **HP(ban)**Core i5 Processor 3.2 GHZ, Intel chipset 8 GB DDR 3 RAM, 500 GB SATA HDD, 1GB Graphical Card, 1GB Network Card, 17" LCD monitor USB keyboard & Mouse.  
**Lenovo(ascent cse):** Core i5 Processor 3.2GHZ,Intel chipset 8GB DDR3 RAM, 1TB SATA HDD,1GB Graphics Card, 18.5"LCD Monitor USB Keyboard & Mouse.  
**Lenovo(math lab):** Core i5 Processor 3.2 GHZ, Intel chipset 4 GB DDR3 RAM, 320 GB SATA HDD, 1GB Network Card, 18.5 LCD monitor USB keyboard & Mouse.

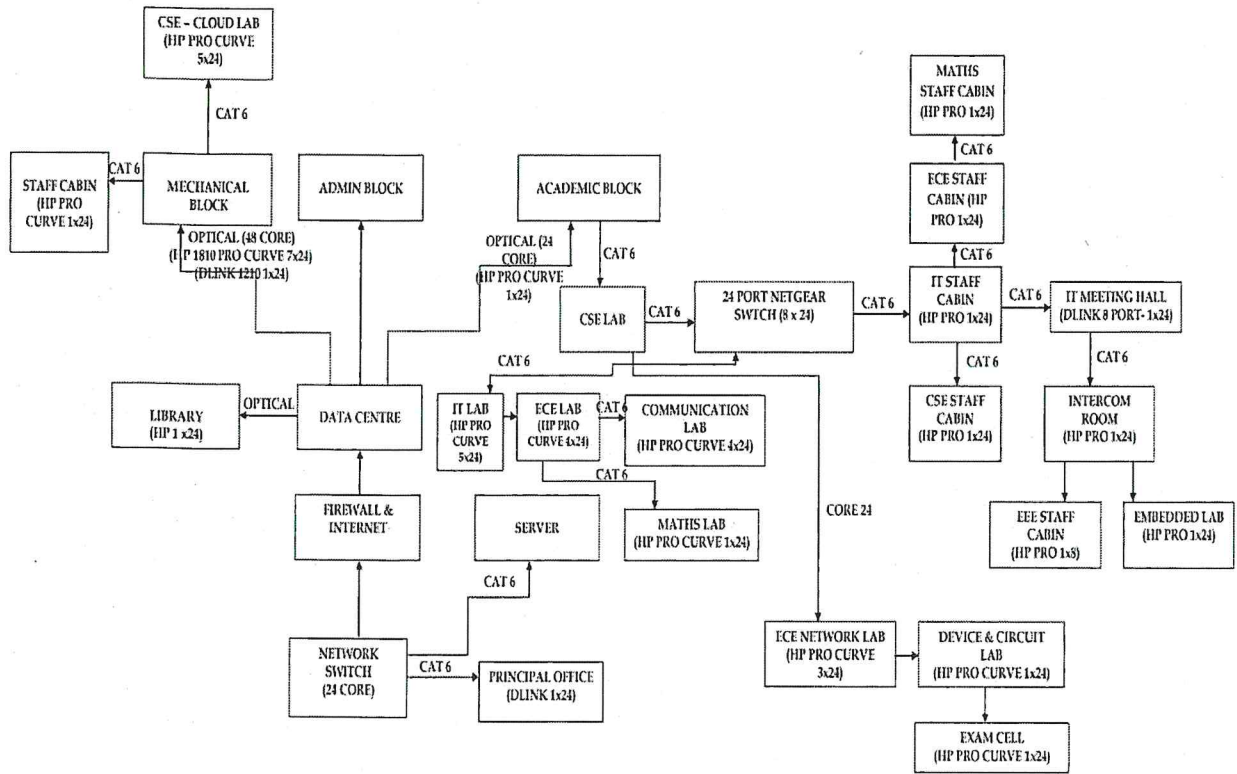
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9. HP all in one Pro one 400 (2020-21)  
Intel core i3 4<sup>th</sup> Generation, 4gb RAM, 500 GB Hard disk, 1GB Ethernet card, Bluetooth, Wifi, 20" bright view LED screen, Web Cam, HP wired keyboard and Mouse.
10. Lenovo Tiny Think Center (2020-21)  
i5 3rd generation, Ram 8GB, Hard Disk 500gb, 1 GB Network card, 18.5 Lenovo monitor, Lenovo keyboard mouse.
11. Hp 600g2 Core i7 6<sup>th</sup> gen 8gb ddr4 480gb ssd hdd wit 19" wide tft monitor 1bg network card , usb keyboard and mouse.



# SYSTEM DIAGRAM



# NETWORK DIAGRAM





# ELECTRONICS AND COMMUNICATION ENGINEERING

2022-2023

| Name of the Item |      | Personal Computer       |  |             |      | Quantity     |               |       | Purchase Details |              |                |         |       | Supplier   |      |         |
|------------------|------|-------------------------|--|-------------|------|--------------|---------------|-------|------------------|--------------|----------------|---------|-------|------------|------|---------|
| Sl. No.          | Date | Particulars Description | Name and Address of the Supplier/ Vendor | Invoice No. | Date | No. of Units | Rate per Unit | Total | Invoice No.      | Invoice Date | Invoice Amount | GST No. | GST % | GST Amount | Name | Address |
|                  |      |                         |  |             |      |              |               |       |                  |              |                |         |       |            |      |         |



# ELECTRONICS AND COMMUNICATION ENGINEERING

2022-2023

| Sl. No.                      | Qty | Particulars / Description  | Name and Address of the Supplier / Vendor | Invoice No. | Date | Particulars / Description | Amount | Payment Details      |                       |                  |             |                | Signature       |             |        |             |  |
|------------------------------|-----|--|---|-------------|------|---------------------------|--------|----------------------|-----------------------|------------------|-------------|----------------|-----------------|-------------|--------|-------------|--|
|                              |     |  |   |             |      |                           |        | Bill Code or Receipt | Total Code or Receipt | Ledger Folio No. | Invoice No. | Check D.D. No. | Amount in words | Net Balance | A.C.D. | Particulars |  |
| <u>ECE Laboratory</u>        |     |  |   |             |      |                           |        |                      |                       |                  |             |                |                 |             |        |             |  |
| 1                            | 1   | HP Personal Computer A Team<br>(HP PAV 15.6" Laptop Intel i5 8GB RAM 1TB HDD 15.6" Screen) |   | 2022/01/20  | 13   |                           |        | 23,619.00            | 23,619.00             |                  |             |                |                 |             |        |             |  |
| <u>TC Laboratory</u>         |     |  |   |             |      |                           |        |                      |                       |                  |             |                |                 |             |        |             |  |
| 1                            | 25  | HP Personal Computer A Team<br>CPU: I5-10210U, RAM: 8GB, HDD: 1TB, Screen: 15.6"           | Advent e-Shop APPL Solat, 12              | 2022/12/10  | 12   |                           |        | 26,239.00            | 26,239.00             |                  |             |                |                 |             |        |             |  |
|                              |     | 25x HP 15.6" Laptop<br>CPU: I5-10210U, RAM: 8GB, HDD: 1TB, Screen: 15.6"                   | Solution Desk                             | 12-10       | 15   | Nil                       |        |                      |                       |                  |             |                |                 |             |        |             |  |
|                              |     | 25x 32GB RAM<br>Memory (DDR4)  | End-Leser                                 | 2022        |      | Transfer to CME           |        |                      |                       |                  |             |                |                 |             |        |             |  |
| <u>DSP / VLSI Laboratory</u> |     |  |   |             |      |                           |        |                      |                       |                  |             |                |                 |             |        |             |  |
| 1                            | 25  | HP Personal Computer A Team<br>CPU: I5-10210U, RAM: 8GB, HDD: 1TB, Screen: 15.6"           | Advent e-Shop APPL Solat, 12              | 2022/12/10  | 42   |                           |        | 26,239.00            | 26,239.00             |                  |             |                |                 |             |        |             |  |
|                              |     | 25x HP 15.6" Laptop<br>CPU: I5-10210U, RAM: 8GB, HDD: 1TB, Screen: 15.6"                   | Solution Desk                             | 12-10       |      |                           |        |                      |                       |                  |             |                |                 |             |        |             |  |
|                              |     | 25x 32GB RAM<br>Memory (DDR4)  | End-Leser                                 | 2022        |      |                           |        |                      |                       |                  |             |                |                 |             |        |             |  |
| <u>ECE Dept</u>              |     |  |   |             |      |                           |        |                      |                       |                  |             |                |                 |             |        |             |  |
| 1                            | 25  | HP Personal Computer A Team<br>(Laptop)  | Advent e-Shop APPL Solat, 12              | 2022/12/10  | 01   |                           |        | 26,239.00            | 26,239.00             |                  |             |                |                 |             |        |             |  |







# BIO MEDICAL ENGINEERING

2022-2023

**K S R INSTITUTE FOR ENGINEERING**  
NON - CONSUMABLE DEPT. OF

**AND TECHNOLOGY, TIRUCHENGODE - 637 215.**  
STOCK REGISTER  
Biomedical Engineering

27  
**KSRIET**

| Sl. No. | Name of the Item   | PERSONAL | Quantity | Date     | Received | Issued | Balance | Particulars         |                 |                |             | Signature |                   |                  |               |    |         |
|---------|--|----------|----------|----------|----------|--------|---------|---------------------|-----------------|----------------|-------------|-----------|-------------------|------------------|---------------|----|---------|
|         |  |          |          |          |          |        |         | Unit Cost in Rupees | Estimate Rupees | Index File No. | Voucher No. |           | Original D.D. No. | Amount in Rupees | Slip No./Date | MO | Process |
| 1       | 3532/2022  | PERSONAL | 13       | 20/05/22 |          |        |         | 20,238.10           | 2,67,092        |                |             |           |                   |                  |               |    |         |
|         | Transferred By: <i>hsh/cco</i> P. <i>[Signature]</i><br>Received By: <i>hsh/cco</i> <i>[Signature]</i> 20/5/22 |          |          |          |          |        |         |                     |                 |                |             |           |                   |                  |               |    |         |

*[Signature]*  
PRINCIPAL,  
K S R INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K S R KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt. TAMIL NADU



# BIO MEDICAL ENGINEERING

2022-2023

| K S R INSTITUTE FOR ENGINEERING<br>NON - CONSUMABLE<br>DEPT. OF |         |                           |   |                       |         |          |                  |         |                     | AND TECHNOLOGY, TIRUCHENGODE - 637 215.<br>STOCK REGISTER<br>Biomedical Engineering |                 |            |                |                  |               |           |           |  |  |
|---|---------|---------------------------|---|-----------------------|---------|----------|------------------|---------|---------------------|---|-----------------|------------|----------------|------------------|---------------|-----------|-----------|--|--|
| Name of the Item : PROJECTOR                                    |         |                           |   |                       |         |          |                  |         |                     | KSRIET  |                 |            |                |                  |               |           |           |  |  |
| Sl No   | Date    | Particulars / Description | Name and Address of the Supplier / Receiver   | Invoice No            | Date    | Quantity |                  |         | Unit Cost in Rupees | Total Cost in Rupees  | Payment Details |            |                |                  |               | Signature |           |  |  |
|   |         |                           |   |                       |         | Issued   | Issued / Damaged | Balance |                     |   | Ledger Folio No | Voucher No | Cheque / DD No | Amount in Rupees | Self Incharge | HOD       | Principal |  |  |
| 1   | 25/1/23 | EPSON PROJECTOR           | DISCOMBET<br>6-1009                           | DDPR<br>22230<br>4600 | 22/1/23 | 01       |                  |         |                     | Including tax<br>32,128   | 1,00,400        |            |                |                  |               |           |           |  |  |
|   |         | CR-601                    | DIGITAL INDA<br>NET LTD<br>CHENNAI<br>-610172 | Singapore<br>Jan 2023 |         |          |                  |         |                     |   | 28,112          |            |                |                  |               |           |           |  |  |
|   |         |                           |   |                       |         |          |                  |         |                     |   | 1,28,512        |            |                |                  |               |           |           |  |  |

Principal

K.S.R. INSTITUTE FOR ENGINEERING  
NON - CONSUMABLE

ENGINEERING AND TECHNOLOGY,  
STOCK REGISTER TIRUCHENGODE - 637 215.

72

Vol No

Name of the Item

| Sl No          | Date    | Particulars / Description | Name and Address of the Supplier / Receiver                  | Invoice No                                  | Date    | Quantity |                  |         |
|----------------|---------|---------------------------|--|---|---------|----------|------------------|---------|
|                |         |                           |  |   |         | Received | Issued / Damaged | Balance |
| 7              | 05/3/21 | EPSON PROJECTOR<br>EB-E01 | INGIANTZ<br>DIGITAL SHON<br>Pvt. Ltd.<br>COMMERCE<br>-641002 | 2230<br>(Inv)<br>2-11/21<br>511980<br>74213 | 05/3/21 |          |                  |         |
| Transferred to |         |                           |  |   |         |          |                  |         |
|                |         |                           |  | BME - 1                                     |         |          |                  |         |
|                |         |                           |  | EEE - 1                                     |         |          |                  |         |
|                |         |                           |  | KCE - 1                                     |         |          |                  |         |
|                |         |                           |  | IT - 1                                      |         |          |                  |         |
|                |         |                           |  | 7 Nos                                       |         |          |                  |         |

| Sl No | Date | Particulars / Description | Name and Address of the Supplier / Receiver | Invoice No | Date | Quantity | Total Cost in Rupees    | Payment Details |            |                 |                  | Signature      |        |           |  |  |
|-------|------|---------------------------|---|------------|------|----------|-------------------------|-----------------|------------|-----------------|------------------|----------------|--------|-----------|--|--|
|       |      |                           |   |            |      |          |                         | Ledger Folio No | Voucher No | Cheque / DD. No | Amount in Rupees | Staff Incharge | H.O.D. | Principal |  |  |
|       |      |                           |   |            |      |          | Including Tax<br>38,128 |                 |            |                 |                  |                |        |           |  |  |
|       |      |                           |   |            |      |          | 1,75,100                |                 |            |                 |                  |                |        |           |  |  |
|       |      |                           |   |            |      |          | 19,196                  |                 |            |                 |                  |                |        |           |  |  |
|       |      |                           |   |            |      |          | 2,04,296                |                 |            |                 |                  |                |        |           |  |  |

Principal  
K S R INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K S R KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt. TAMIL NADU.