



## 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 2021-2022**

<b>Number of computers for students in working condition</b>	<b>Total Number of students</b>
<b>817</b>	<b>1084</b>

**COMPUTER SYSTEM & MONITOR - OVERALL DEPARTMENTS**

**(STUDENTS USAGE)**

<b>DEPARTMENT</b>	<b>COUNT</b>	<b>SERVER</b>	<b>TOTAL</b>
COMPUTER SCIENCE & ENGINEERING	220	4	<b>817</b>
INFORMATION TECHNOLOGY	192	-	
ELECTRONICS & COMMUNICATION ENGINEERING	124	-	
ELECTRICAL & ELECTRONICS ENGINEERING	53	1	
MECHANICAL ENGINEERING	73	1	
MATHEMATICS LAB	15	-	
ENGLISH LANGUAGE LAB	77	1	
CENTRAL LIBRARY	56	-	
<b>TOTAL</b>	<b>810</b>	<b>7</b>	

  
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## STUDENT STRENGTH 2021-2022

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

YEAR	B.E BME	B.E CSE	B.E EEE	B.E ECE	B.E MECH.	B. Tech. IT	UG TOTAL	M. E. CAD/CA M	M. E. EST	M. E. SW	M. E. BDA	PG TOTAL	UG & PG TOTAL
I YR	63	63	53	62	44	63	348	6	5	1	3	15	363
II YR	42	64	51	57	35	63	312	2	1	-	1	4	316
III YR	-	63	30	42	35	63	233	-	-	-	-	-	233
IV YR	-	39	23	37	40	33	172	-	-	-	-	-	172
TOTAL	105	229	157	198	154	222	1065	8	6	□	4	19	1084

### RATIO FOR THE LATEST ACADEMIC YEAR

NO OF STUDENTS	NO OF COMPUTERS	STUDENT COMPUTER RATIO
1084	817	1.32 (1:1)

  
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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 – 1No.
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. – 1 No.
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. – 1 No.
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. – 1 No.
5. DELL SERVER POWEREDGE R320 INTEL XEON E5 2407, 3\*1TB HDD, 8GB DDR3 RAM, 8XDVD WRITER, 18.5 LED MONITOR, USB KEYBOARD & MOUSE – 1 No.
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 – 1 No.
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. – 1 No.
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.75nos

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.75nos

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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. 13.  
**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. 13.

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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.-315
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. -75 nos

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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. -75 nos

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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.60 nos

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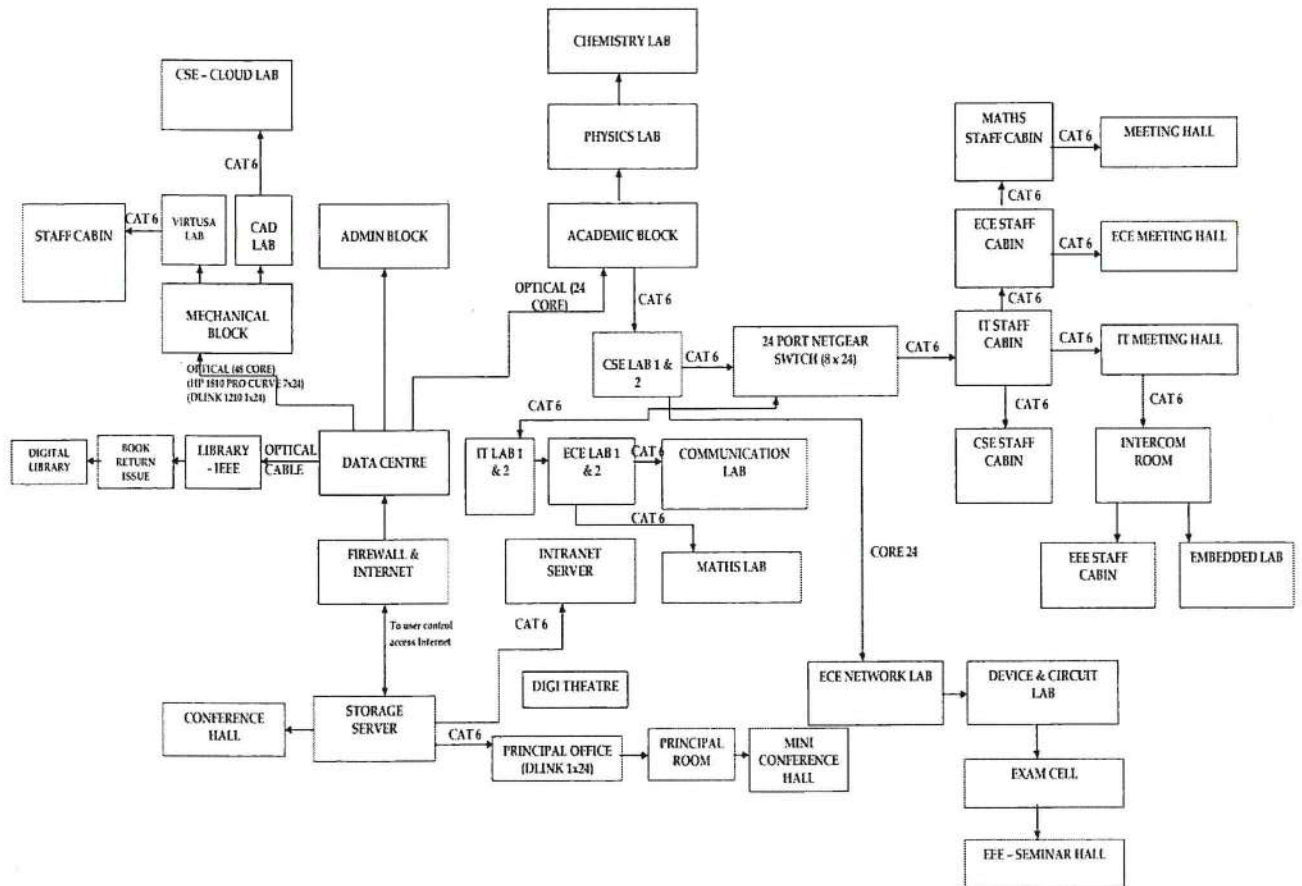
8. **HP(ban)**Core i5 Processor 3.2 GHZ, Intel chipset 8 GB DDR 3 RAM, 500 GB SATA HDD, 1GB Graphical Card, 1GB Network Card, 17" LCD monitor USB keyboard & Mouse.-60 nos  
**Lenovo(ascent cse):** Core i5 Processor 3.2GHZ,Intel chipset 8GB DDR3 RAM, 1TB SATA HDD,1GB Graphics Card, 18.5"LCD Monitor USB Keyboard & Mouse- 40nos  
**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 & Mouse10nos

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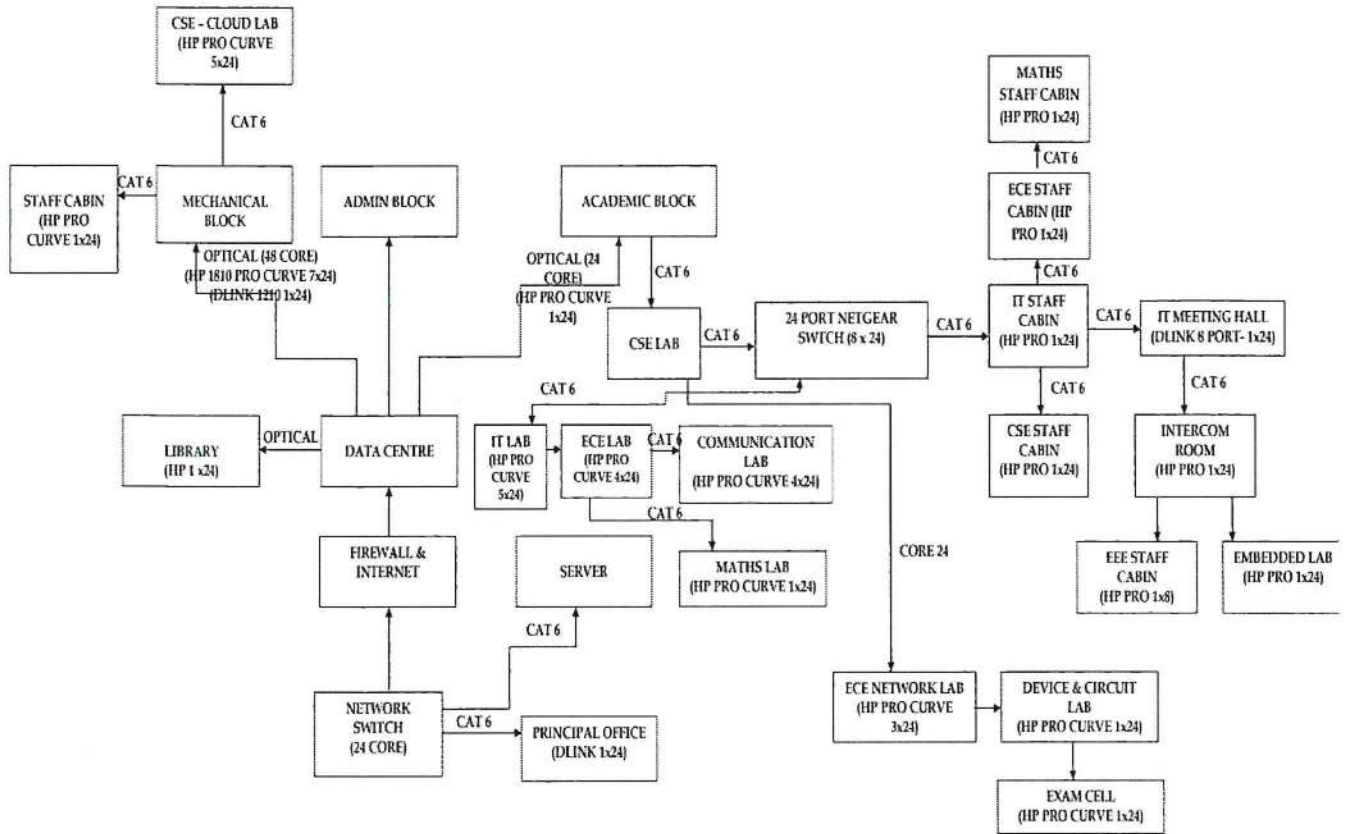
9. HP all in one Pro one 400 (2020-21)  
Intel core i3 4<sup>th</sup> Generation, 4gb RAM, 500 GB Hard disk, 1GB Ethernet card, Bluetooth, Wifi, 20" bright view LED screen, Web Cam, HP wired keyboard and Mouse. (30 Nos.)
10. Lenovo Tiny Think Center (2020-21)  
i5 3rd generation, Ram 8GB, Hard Disk 500gb, 1 GB Network card, 18.5 Lenovo monitor, Lenovo keyboard mouse (15 Nos.)

  
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# SYSTEM DIAGRAM



# NETWORK DIAGRAM



**COMPUTER SYSTEM & MONITOR –  
COMPUTER SCIENCE AND ENGINEERING**

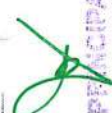
**K S R INSTITUTE FOR ENGINEERING  
STOCK**

Sl. No	Date of Order	Invoice No	Specification	Company Name & Address
3	19/10/14	2973	Desktop PC's, CPU, MP, 6.4TB HDD/300GB, 2GB DDR3/32GB, Intel i17, 4GB, 18.5" TFT monitor	A-Team Computers D2, SCS Building Pondicherry Road Puducherry
			On-board HDD/300GB	
			PCI Express SL slot	
			Intel i7 processor	
			4GB integrated	
			18.5" TFT monitor	

**AND TECHNOLOGY, TIRUCHENGODE-637215.  
REGISTER**

6  
**KSR IET**

Quantity	Unit Rate in ₹	Total Amount in ₹	Signature	
				Received
75	206,730.88	16,12,500		
	4.4%			

  
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# COMPUTER SYSTEM & MONITOR – COMPUTER SCIENCE AND ENGINEERING



**K S R INSTITUTE FOR ENGINEERING  
AND TECHNOLOGY, THIRUCHENGODE-637215.**

9

REGISTER

Sl. No.	Date of Purchase	Invoice No.	Specification	Company Name & Address	Quantity		Unit Rate in ₹	Total Amount in ₹	LBO No.	HCO No.	Principal
					Ordered	Received					
1	15/05/2017	12345678	SERVER	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215	01	01	73,375.78	73,375.78			
2	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215	01	01	1,50,000.00	1,50,000.00			
3	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215	01	01	1,50,000.00	1,50,000.00			
4	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215	40	40	37,000.00	1,480,000.00			
5	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215	60	60	15,750.00	945,000.00			

Sl. No.	Date of Purchase	Invoice No.	Specification	Company Name & Address
6	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215
7	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215
8	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215
9	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215
10	15/05/2017	12345678	MONITOR HP 18.5" LED	ASSISTANT ENGINEER K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY THIRUCHENGODE - 637215

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# COMPUTER SYSTEM & MONITOR - INFORMATION TECHNOLOGY

## K S R INSTITUTE FOR ENGINEERING STOCK

S. No.	Date of Order	Invoice No.	Specification	Company Name & Address
01	18/07/2024	AS00100003	DESKTOP PC LENOVO CORE I3 RAM: 2GB DDR3 HDD: 500 GB SATA MONITOR: 18.5" TFT	ASUS E-Digit SOLUTION PUB LTD 6th, Vaidyanathan Street, Pondicherry
02	18/07/2024	AS00100003	DESKTOP PC LENOVO CORE I3 RAM: 2GB DDR3 HDD: 500 GB MONITOR: 18.5" LED	ASUS E-Digit SOLUTION PUB LTD 6th, Vaidyanathan Street, Pondicherry
03	18/07/2024	AS00100003	DESKTOP PC LENOVO CORE I3 RAM: 2GB DDR3 HDD: 500 GB	ASUS E-Digit SOLUTION PUB LTD 6th, Vaidyanathan Street, Pondicherry

## AND TECHNOLOGY TIRUCHENGODE-637215. REGISTER

Ordered	Quantity		Balance	Unit Rate in ₹	Total Amount in ₹	Lab /JC	Signature
	Received						
84	2.33			150/2000	17,85,000.00		
15	1.5			28,190.68 1.5% VAT	42,285.99		
01	01			28,190.68 1.5% VAT	29,809.57		

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# COMPUTER SYSTEM & MONITOR – INFORMATION TECHNOLOGY

**K S R INSTITUTE FOR ENGINEERING STOCK**

S No	DATE NAME		Invoice No	Specification	Company Name & Address
	Order	Receipt			
01	01/01/2016	01/01/2016	2844	Desktop PC RAM: 4GB DDR3 HDD: 500GB Monitor: 18.5" TFT	ASPECT SOLUTIONS No. Kalaiyogal (Phase 2) Pondicherry

**REGISTER AND TECHNOLOGY TIRUCHENGODE-637215.**

Ordered	Quantity		Balance	Unit Rate in ₹	Total Amount in ₹	Lab /C	Signature	
	Received						HOD	Principal
35	35			201.228	7041.378			

*Weight*  
*100 gm*  
*100 gm*

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**COMPUTER SYSTEM & MONITOR –  
INFORMATION TECHNOLOGY**



**K S R INSTITUTE FOR ENGINEERING  
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**REGISTER**

S. No	Date of Order	Invoice No	Specification	Company Name & Address	Quantity		Unit Rate in ₹	Total Amount in ₹	Lect UC	HOD	Principal
					Ordered	Received					
01	18.2.16	15	DESKTOP PC: HP CORE I5 4GB DDR3 RAM: HDD: MONITOR: 17" LCD	CONCEPT SOLUTIONS #2, 2nd FLOOR, 3rd CROSS, 7th MAIN, SO. FEEL ROAD, SUBBANNA PETA, BANGALORE - 560023.	18	18	15,950/- 184,807	3,34,500/-			
02	18.11	25	DESKTOP PC ASUS W2302P CENTRAL CORE I5 3.30GHz RAM: 4GB DDR3 HDD: 320 GB MONITOR: 17" inch LCD	CONCEPT SOLUTIONS 7th, 2nd Floor, 3rd Cross, 7th Main, SO. FEEL ROAD, SUBBANNA PETA, BANGALORE - 560023.	39	39	14,15,000/- 1,84,000/-	5,61,450/- 7,22,250/-			

Date of		Invoice No	Specification	Company Name & Address
Order	Receipt			
01	18.2.16	15	DESKTOP PC: HP CORE I5 4GB DDR3 RAM: HDD: MONITOR: 17" LCD	CONCEPT SOLUTIONS #2, 2nd FLOOR, 3rd CROSS, 7th MAIN, SO. FEEL ROAD, SUBBANNA PETA, BANGALORE - 560023.
02	18.11	25	DESKTOP PC ASUS W2302P CENTRAL CORE I5 3.30GHz RAM: 4GB DDR3 HDD: 320 GB MONITOR: 17" inch LCD	CONCEPT SOLUTIONS 7th, 2nd Floor, 3rd Cross, 7th Main, SO. FEEL ROAD, SUBBANNA PETA, BANGALORE - 560023.

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MADRAS, TAMIL NADU.**

**COMPUTER SYSTEM & MONITOR –  
MECHANICAL ENGINEERING**

K S R INSTITUTE FOR ENGINEERING NON - CONSUMABLE		AND TECHNOLOGY, TIRUCHENGODE - 637 215.		STOCK REGISTER		KSR IET 2								
Sl No	Date	Name of the Item	Quantity	Issued / Deducted	Balance	Unit Cost in Rupees	Total Cost in Rupees	Lobby Folio No	Voucher No	Check / D.D No	Amount in Rupees	Start Receipt	HOD Signature	Principal Signature
9	19/12/14	AMAZON	1			9,00,000				0000188	5,00,000			
10	22/12/14	HP Laser printer	01			2,87,000	2,87,000			0000188	2,80,000			
11	23/12/14	HP Laser printer	01			9,20,000	9,20,000			0000188	4,10,000			
12	17/1/15	Canon printer	1			27,500	27,500			0000188	20,21,000			
13	17/1/15	Canon printer	75			2,35,000	2,35,000			0000188	2,35,000			
14	20/1/15	HP Laser printer	1			7,650	7,650			0000188	7,650			
15	20/1/15	HP Laser printer	1			25,000	25,000			0000188	25,000			
16	23/04/15	UNION BROTHERS	72			1,619.05	1,22,300			0000188	1,22,300			
17	17/05/17	SAMSUNG ROUTER	01			82,500	82,500			0000188	82,500			
18	21/10/17	Dell Laptop	02			16,700	33,400			0000188	33,400			
19	28/12/18	V.C.P Lab.chests	02			650.00	1,300			0000188	1,300			
20	28/12/18	V.C.P Lab.chests	02			650.00	1,300			0000188	1,300			

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**NAMANGALU, TAMIL NADU.**



**COMPUTER SYSTEM & MONITOR -  
ELECTRONICS AND COMMUNICATION ENGINEERING**

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

Sl. No.      Date      Particulars / Description      Name and Address of Supplier / Receiver      Invoice No.      Date      Received      Quantity      Balance

Sl. No.	Date	Particulars / Description	Name and Address of Supplier / Receiver	Invoice No.	Date	Received	Quantity	Balance
1.	18/04/14	Network Lab Personal Computer, Disassemble Data Adapter - Net Systems Cables - 4, 30, 200m, Etc. - 11 Etc. etc.		115	21/04/14	57		
1.	18/04/14	NETS Lab Personal Computer, Assemble Data Adapter - Net Systems Cables - 4, 30, 200m, Etc. - 11 Etc. etc.		115	21/04/14	11		
1.	17/04/14	Project Lab Personal Computer, Assemble, Disassemble Data Adapter - Net Systems Cables - 4, 30, 200m, Etc. - 11 Etc. etc.		115	21/04/14	106		

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

Sl. No.      Date      Particulars / Description      Name and Address of Supplier / Receiver      Invoice No.      Date      Received      Quantity      Balance

Sl. No.	Date	Particulars / Description	Name and Address of Supplier / Receiver	Invoice No.	Date	Received	Quantity	Balance
1.	18/04/14	Network Lab Personal Computer, Disassemble Data Adapter - Net Systems Cables - 4, 30, 200m, Etc. - 11 Etc. etc.		115	21/04/14	57		
1.	18/04/14	NETS Lab Personal Computer, Assemble Data Adapter - Net Systems Cables - 4, 30, 200m, Etc. - 11 Etc. etc.		115	21/04/14	11		
1.	17/04/14	Project Lab Personal Computer, Assemble, Disassemble Data Adapter - Net Systems Cables - 4, 30, 200m, Etc. - 11 Etc. etc.		115	21/04/14	106		

  
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**COMPUTER SYSTEM & MONITOR -  
MATHEMATICS LAB**

K S R INSTITUTE FOR ENGINEERING NON - CONSUMABLE DEPT. OF										AND TECHNOLOGY, TIRUCHENGODE - 637 215.								
Sl No	Date	Name of the Item	Particulars / Description	Name and Address of the Supplier / Receiver	Invoice No.	Date	Quantity		Remarks	Payment Details								
							Received	Issued		Unit Cost in Rupees	Total Cost in Rupees	Ledger Folio No	Voucher No.	Check / D.D. No.	Amount in Rupees	BYAT Remarks	HOD Signature	Principal Signature
1.	20.11.2015	Board	Board	ABC/Board/2015	105	20.11.2015												
2.	21.11.2015	Board	Board	ABC/Board/2015	12	21.11.2015												

  
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**NARAKKAL DI, TAMIL NADU.**



