



# SHRI NEHRU MAHA VIDYALAYA COLLEGE OF ARTS AND SCIENCE (SNMV)

(Affiliated to Bharathiar University, Coimbatore, Re-accredited with "A" Grade by NAAC)  
Shri Gambhirmal Bafna Nagar, Malumachampatti, Coimbatore - 641 050. Tamil Nadu, India.



## Criteria IV

## Infrastructure and Learning Resources

### 4.3

### IT INFRASTRUCTURE

#### 4.3.1

4.3.1. Institution frequently updates its IT Facilities and provides sufficient bandwidth for internet connection

## CONTENT

1	IT INFRASTRUCTURE
2	TECHNOLOGY UPGRADATION
3	BANDWIDTH OF INTERNET CONNECTION
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### 4.3. IT INFRASTRUCTURE

Shri Nehru Maha Vidyalaya College of Arts and Science affords exceptional IT infrastructure amenities and state-of-the-art computing resources in order to fulfil the academic needs of the student and staff community.

The College has nine computer laboratories with 770 systems which includes high-tech desktops, laptops and NComputing systems (Green Environment systems). The systems are connected with a Local Area Network (LAN). The Computer Laboratories are consistently enhanced to align with the latest advancements, maintaining equilibrium with the evolving industrial expectations. In response to the latest technological requirements advanced computing facilities are provided to the students for a variety of peripherals.

Currently 350 Mbps Internet connectivity is available 24x7 through multiple service providers through leased lines and Broadband. With Fiber-optic backbone connectivity, our Institution's cutting-edge campus network provides access to the Internet and Intranet applications for every block as well as to the college hostels.

The Wi-Fi enabled campus ensures seamless communication and provide abundant access to technology relevant information that enriches the computer-based design and analysis learning process. Further the firewall is installed in campus to prevent unauthorized access from the outside network through internet connection.

ICT enabled classrooms, the smart class rooms with the interactive boards are provided to the students to enrich the teaching-learning methodology.

Higher-end servers are equipped with ERP software to automate the academic and administrative processes.

The computing facilities are continuously upgraded with software in accordance with the institution's forward-looking strategy. The hands-on experience with the latest hardware and software innovations enriches the knowledge and skills of the students.

Power backup has been provided to IT Peripherals through sufficient UPS and Generators to avoid power interruptions. The computer labs are equipped with smart power strips and outlets that automatically cut power to peripherals when not in use, helping to eliminate standby power consumption.

The College library is automated and affords access to library database resources such as DELNET, INFLIBNET, NDL and Shodh Sindhu facilitating access to a wide range of e journals. The library software Campesi Lib has been updated with the latest version MS SQL 7.9.4. The Online Public Access Catalogue (OPAC) elevates the library management system. There is a reprography machine for photocopying in the library.

The Language Lab is equipped with Audio-Video gadgets to improve the English communication skills of the students

CCTV surveillance cameras are installed in the campus as well as in the college buses for safety and security needs.

A committed IT support team is available to assist students and faculty, facilitating a smooth and efficient functioning of the IT infrastructure and addressing any technical issues promptly. The IT support team is well trained in energy-saving best practices and encourages users to adopt responsible computing habits, such as turning off devices when not in use, contributing to overall energy efficiency.

Shri Nehru Maha Vidyalaya College of Arts and Science has tie-up with leading assessment skill company TCS to conduct their online examinations and placement assessment exams for the students.

**TECHNOLOGY UPGRADATION (OVERALL): 2022 2023**

PARTICULARS	TOTAL COMPUTERS	COMPUTER LABS	INTERNET	BROWSING CENTRES	OFFICE	DEPARTMENTS	OTHERS
Existing	536	446	AIRTEL Leased Line 20 Mbps speed wired BSNL Broad Band connection 300 Mbps	6	13	22	49
Added	234	186	-	4	1	8	35
<b>Total</b>	<b>770</b>	<b>632</b>	<b>320 Mbps</b>	<b>10</b>	<b>14</b>	<b>30</b>	<b>84</b>

**TECHNOLOGY UPGRADATION (OVERALL): 2021 - 2022**

PARTICULARS	TOTAL COMPUTERS	COMPUTER LABS	INTERNET	BROWSING CENTRES	OFFICE	DEPARTMENTS	OTHERS
Existing	530	446	AIRTEL Leased Line 20 Mbps speed wired BSNL Broad Band connection 300 Mbps	4	9	22	49
Added	6	-	-	2	4	-	-
<b>Total</b>	<b>536</b>	<b>446</b>	<b>320 Mbps</b>	<b>6</b>	<b>13</b>	<b>22</b>	<b>49</b>

**TECHNOLOGY UPGRADATION (OVERALL): 2020 2021**

PARTICULARS	TOTAL COMPUTERS	COMPUTER LABS	INTERNET	BROWING CENTRES	OFFICE	DEPARTMENTS	OTHERS
Existing	529	446	AIRTEL Leased Line 50 Mbps speed wired	4	8	22	49
Added	1	-	-	-	1	-	-
<b>Total</b>	<b>530</b>	<b>446</b>	<b>50 Mbps</b>	<b>4</b>	<b>9</b>	<b>22</b>	<b>49</b>

**TECHNOLOGY UPGRADATION (OVERALL): 2019 – 2020**

PARTICULARS	TOTAL COMPUTERS	COMPUTER LABS	INTERNET	BROWING CENTRES	OFFICE	DEPARTMENTS	OTHERS
Existing	493	446	AIRTEL Leased Line 50 Mbps speed wired	4	8	22	13
Added	36	-	-	-	-	-	36
<b>Total</b>	<b>529</b>	<b>446</b>	<b>50 Mbps</b>	<b>4</b>	<b>8</b>	<b>22</b>	<b>49</b>

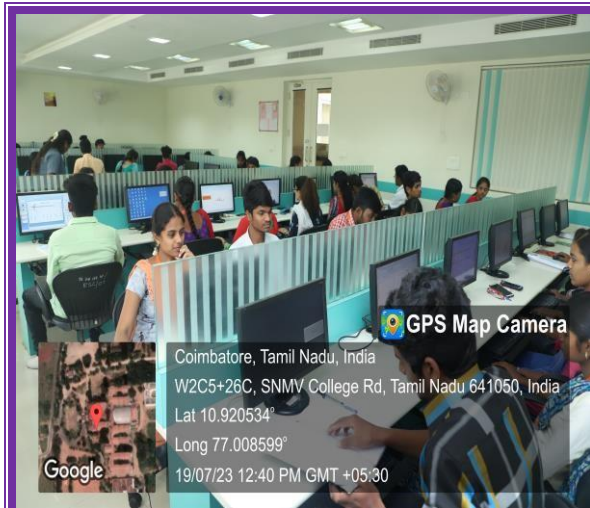
**TECHNOLOGY UPGRADATION (OVERALL): 2018 2019**

PARTICULARS	TOTAL COMPUTERS	COMPUTER LABS	INTERNET	BROWING CENTRES	OFFICE	DEPARTMENTS	OTHERS
Existing	490	446	AIRTEL Leased Line 20 Mbps speed wired	4	5	22	13
Added	3	-	-	-	3	-	-
<b>Total</b>	<b>493</b>	<b>446</b>	<b>20 Mbps</b>	<b>4</b>	<b>8</b>	<b>22</b>	<b>13</b>

**BANDWIDTH OF INTERNET CONNECTION**

S.NO	ACADEMIC YEAR	BANDWIDTH
1	2022-23	320 Mbps
2	2021-22	320 Mbps
3	2020-21	50 Mbps
4	2019-20	50 Mbps
5	2018-19	20 Mbps

### COMPUTER LABS





**INTERNET BILLS**

**INVOICE**

<b>WIRELINE SOLUTION INDIA PVT LTD</b> C1, 339, 3rd Floor, VUE Grande, Chinnasamy Road, Siddhapudur, Coimbatore- 641 044 GSTIN/UIN: 33AAACW4923B1ZT State Name : Tamil Nadu, Code : 33 E-Mail : accounts@wls.net.in Buyer (Bill to) <b>SNMV COLLEGE OF ARTS &amp; SCIENCE</b> Shri Gambhirmal Bafna Nagar, Malumachampatti, Coimbatore- 641 050 State Name : Tamil Nadu, Code : 33	Invoice No. <b>WLS1402/22-23</b> Dated <b>1-Oct-22</b> Delivery Note Mode/Terms of Payment <b>Immediate</b> Buyer's Order No. Dated Dispatch Doc No. Delivery Note Date Dispatched through Destination Terms of Delivery
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Particulars	HSN/SAC	GST Rate	Amount
<b>Internet Bandwidth Charges</b> <i>20 Mbps Internet Bandwidth Charges FROM 01.10.2022 TO 31.12.2022</i>	998422	18 %	<b>20,338.00</b>
<b>CGST</b>			<b>1,830.42</b>
<b>SGST</b>			<b>1,830.42</b>
<b>Round Off</b>			<b>0.16</b>
<b>Total</b>			<b>23,999.00 ₹</b>

Amount Chargeable (in words) **Twenty Three Thousand Nine Hundred Ninety Nine Indian Rupees Only** *E. & O.E*


Taxable Value	Central Tax		State Tax		Total Tax Amount
	Rate	Amount	Rate	Amount	
20,338.00	9%	1,830.42	9%	1,830.42	3,660.84
<b>Total:</b> 20,338.00		<b>1,830.42</b>		<b>1,830.42</b>	<b>3,660.84</b>

Tax Amount (in words) : **Three Thousand Six Hundred Sixty Indian Rupees and Eighty Four paise Only**

**Declaration**  
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.


Company's Bank Details  
 A/c Holder's Name : **WIRELINE SOLUTION INDIA PVT LTD**  
 Bank Name : **Axis Bank**  
 A/c No. : **911030047441558**  
 Branch & IFS Code : **PAPPANICKENPALAYAM & UTIB0000090**

This is a Computer Generated Invoice



Authorized Signatory

INTERNET BILLS



**Bharat Sanchar  
Nigam Limited**

Account No : 9040780222 Invoice No: SDCTN0072400749  
 Invoice Date : 02/08/2023 Fixed Charged Period

Tax Invoice

SHRI NEHRU MAHA VIDYALAYA COLLEGE OF - SHRIGAMBHIRMAL BFNA NAGAR POLLACHI ROAD MALUMICHAMPATTI COIMBATORE DISTRICT COIMBATORE COIMBATORE TN 641021	<b>TELEPHONE NUMBER</b> <b>04222610894</b>  <b>GSTIN</b>
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<b>AMOUNT PAYABLE</b> ₹ -0.80 <div style="background-color: red; color: white; text-align: center; padding: 2px; margin-top: 5px;"><b>PAY NOW</b></div>	<b>DUE DATE</b> <b>18/08/2023</b>  <div style="background-color: red; color: white; text-align: center; padding: 2px; margin-top: 5px;"><b>24x7 Toll Free Helpline 1800 4444</b></div>
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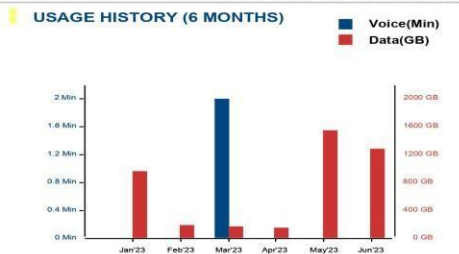
Tariff Plan: Fibre Value / Speed Upto 100Mbps till 3300GB beyond that Upto 4Mbps / Voice unlimited

<b>Account Summary</b> Deposit Amount: 1,299.00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">PREVIOUS BALANCE முந்தைய பாக்டி</th> <th style="width: 33%;">PAYMENT RECEIVED செலுத்திய தொகை</th> <th style="width: 33%;">ADJUSTMENTS சரிசெட்டப்பட்டன</th> </tr> <tr> <td style="text-align: right;">₹ -0.80</td> <td style="text-align: right;">₹ 0.00</td> <td style="text-align: right;">₹ 0.00</td> </tr> </table>	PREVIOUS BALANCE முந்தைய பாக்டி	PAYMENT RECEIVED செலுத்திய தொகை	ADJUSTMENTS சரிசெட்டப்பட்டன	₹ -0.80	₹ 0.00	₹ 0.00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">CURRENT CHARGES தற்போதைய செட கட்டணம்</th> <th style="width: 33%;">TOTAL DUE செலுத்தவேண்டிய தொகை</th> <th style="width: 33%;">AMOUNT PAYABLE செலுத்தவேண்டிய தொகை</th> </tr> <tr> <td style="text-align: right;">₹ 0.00</td> <td style="text-align: right;">₹ -0.80</td> <td style="text-align: right;">₹ -0.80</td> </tr> </table>	CURRENT CHARGES தற்போதைய செட கட்டணம்	TOTAL DUE செலுத்தவேண்டிய தொகை	AMOUNT PAYABLE செலுத்தவேண்டிய தொகை	₹ 0.00	₹ -0.80	₹ -0.80
PREVIOUS BALANCE முந்தைய பாக்டி	PAYMENT RECEIVED செலுத்திய தொகை	ADJUSTMENTS சரிசெட்டப்பட்டன												
₹ -0.80	₹ 0.00	₹ 0.00												
CURRENT CHARGES தற்போதைய செட கட்டணம்	TOTAL DUE செலுத்தவேண்டிய தொகை	AMOUNT PAYABLE செலுத்தவேண்டிய தொகை												
₹ 0.00	₹ -0.80	₹ -0.80												

Amount in Words : Rupees Minus and Eighty paise Only


Summary of Charges	Amount ₹
<b>Current Charges</b> தற்போதைய செட கட்டணம்	
Recurring Charges மாத கட்டணம்	0.00
One Time Charges ஒரு முறை கட்டணம்	0.00
Usage Charges பயன்பாட்டு கட்டணம்	0.00
Miscellaneous Charges	0.00
Discounts தள்ளுபடி	0.00
Late Fee தாமத கட்டணம்	0.00
Total Taxable (Rs.)	0.00
Tax வரி	0.00
<b>Total Current Charges</b> செலுத்த தற்போதைய கட்டணம்	<b>0.00</b>


**USAGE HISTORY (6 MONTHS)**




Month	Voice (Min)	Data (GB)
Jan 23	~1.0	~1000
Feb 23	~0.2	~200
Mar 23	~1.8	~1500
Apr 23	~0.2	~200
May 23	~1.5	~1200
Jun 23	~1.2	~1000

Dear Customer, Soft copy of this bill has been mailed to your ID cwaasoffice@gmail.com. If mail ID is incorrect, please update correct ID at "www.selfcare.bsnl.co.in".





Scan 'QR' Code to make Online Portal Payment.



Bill Summary

Dear Customer, We recommend you to pay the bill online using <https://portal.bsnl.in/> or use My BSNL App on your mobile to avail our services 24X7. My BSNL App is available on the Google Play Store.

<p style="text-align: center;">- PAYMENT SLIP -</p> <p style="text-align: center;">Mode of Payment</p> <p style="text-align: center;"> <input type="checkbox"/> Cash                        <input type="checkbox"/> Cheque/DD                        <input type="checkbox"/> Credit/Debit Card                 </p> <p>Cheque/DD No. _____ Dated _____ Bank _____ Branch _____</p> <p>Please Charge Rs. _____ Signature _____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Invoice No</td> <td style="width: 50%;">SDCTN0072400749</td> </tr> <tr> <td>Invoice Date</td> <td>02/08/2023</td> </tr> <tr> <td>Account No</td> <td>9040780222</td> </tr> <tr> <td>Phone No</td> <td>04222610894</td> </tr> <tr> <td>Due Date</td> <td>18/08/2023</td> </tr> <tr> <td>Amount Payable</td> <td>₹ -0.80</td> </tr> </table>	Invoice No	SDCTN0072400749	Invoice Date	02/08/2023	Account No	9040780222	Phone No	04222610894	Due Date	18/08/2023	Amount Payable	₹ -0.80
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Invoice Date	02/08/2023												
Account No	9040780222												
Phone No	04222610894												
Due Date	18/08/2023												
Amount Payable	₹ -0.80												

Please make crossed Cheque/DD/Pay Order for Amount Payable (Rounded Up) in favour of AO (Cash), BSNL, Coimbatore. For Bank use only.

This is a Computer generated Bill and does not require any Signature. Page 1 of 3



## MASTER TIME TABLE 2022-2023

### LAB I - C LAB

DAY ORDER	I	II	III	IV	V	VI
I	I B. Sc CS "A" C++		I B. Sc IT C++		I B. Sc CT C++	
II	I B. Sc CS "B" C++		I B. Sc CT C++		I B. Sc IT C++	
III	I B. Sc CS "A" C++		I B. Sc CS "B" Internet		I BCA Internet	
IV	I B. Sc CS "B" C++		I BCA C++		I B. Sc CT Internet	
V	I BCA C++		I B. Sc CS "A" Internet		I B. Sc (MB) MS Office	

### LAB II - ORACLE LAB

DAY ORDER	I	II	III	IV	V	VI
I	II B. Com IT Visual Basic			III B. Com "A" Tally & MS Office		
II	III B. Com IT Java			II B. Com CA "B" Oracle		
III	III B. Com IT Tally			III B. Com "B" Tally & MS Office		
IV	II B. Com CA "A" Oracle			III B.Sc. CT Graphics & Multimedia		
V	I M. Com CA Tally & C++			III B.Sc. CT Graphics & Multimedia		

**LAB III - VB LAB**

DAY ORDER	I	II	III	IV	V	VI
I	II B.Sc. CS "A" Linux and Shell programming		II B.Sc. IT Linux and Shell programming		II B.Sc. CS "B" Linux and Shell programming	
II	II B.Sc. IT Linux and Shell programming		II B.Sc. CT Network Lab C++, Java		III B. Com B&I Access & Tally	
III	II B.Sc. CS "B" Linux and Shell programming		II B.Sc. CT Linux and Shell programming		II B.Sc. CS "A" Linux and Shell programming	
IV	II B.Sc. IT HTML, XML, and JavaScript Lab		III B. Com B&I Access & Tally		II B.Sc. CT Network Lab C++, Java	
V	II B.Sc. CT Linux and Shell programming				II B.Sc. IT HTML, XML, and JavaScript Lab	

**LAB IV - LINUX LAB**

DAY ORDER	I	II	III	IV	V	VI
I	II B.Sc. CS "A" - Linux			II B.Sc. CT - Linux		
II	II BCA Linux					
III			I B.Sc. IT - C++			
IV	II B. Com PA - MS Office & Fundamental			I B.Sc. IT - C++		
V	II B.Sc. CS "B" - Linux			II B.Sc. IT - Linux		

**LAB V - JAVA LAB**

DAY ORDER	I	II	III	IV	V	VI
I	II BCA Web Programming Lab		II BBA Tally		II B. Com CA "A" Visual Basic & Web Designing	
II	II BBA Tally		II B. Com CA "A" Visual Basic & Webb Designing		II BCA Web Programming Lab	
III	III B. Com "A" MS Office, Tally & Internet			II B. Com "A" MS Office		
IV	II B. Com "B" MS Office					
V	III B. Com "B" MS Office, Tally & Internet					

**LAB VI – C++ LAB**

DAY ORDER	I	II	III	IV	V	VI
I	I M. Com (CA) Tally & Python		MBA			
II						
III	I M. Sc (CS) Data Mining		MBA			
IV	I M. Com MS Office & Internet			I M. Com (CA) Tally & Python		
V	I M. Com MS Office & Internet			I M. Sc (CS) Data Mining		

**LAB VII - C++ LAB**

DAY ORDER	I	II	III	IV	V	VI
I	I M.Sc. (CS) Data Mining using “R”		III B. Com E. Com Visual Basic			
II	II B. Com (Finance) Access & Tally			I M. Com MS Office and Internet		
III	III B.Sc. CT Network Security		I M.Sc. (CS) Advanced Java		III B.Sc. CT Network Security	
IV	I B. Com E. Com Oracle			I M.Sc. (CS) Data Mining using “R”		
V	II B. Com E. Com Internet & Web designing			I M.Sc. (CS) Advanced Java		

**LAB VIII - MULTI MEDIA LAB**

DAY ORDER	I	II	III	IV	V	VI
I	II B. Sc CS A & B SPM		III BCA Case Tools III B.Sc. IT Graphics & Multimedia		III B. Sc CS A & B Software testing	
II	III B. Sc CS A & B Graphics & Multimedia		II B.Sc. (BT) C++ I B.Sc. IT Internet		I B. Sc AI & ML Java I B. Sc Computer Science DA Java	
III	II B.SC. CS A & B SPM		I B.Sc. AI & ML Java I B. Sc. Computer Science DA Java		III B. Sc CS A & B Software testing	
IV	III B. Sc CS A & B Graphics & Multimedia		I B.Sc. AI & ML Internet & I B. Sc Computer Science DA Internet		III BCA Graphics & Multimedia & III B. Sc IT Dotnet	
V	II B.com PA “A” Oracle & I B.com PA “A” Tally			II B. Com PA “B” Oracle & I B. Com PA “B” Tally		

**LAB IX - PYTHON LAB**

DAY ORDER	I	II	III	IV	V	VI
I	I B. Sc (IT) C I B. Sc DCFS C			I B.Sc. CS with DA - C I M.SC CS Algorithm and OOPS Lab C++		
II	II B.Sc. IT Lab II B.SC AI & ML Python			I B.Sc. CT C I M.SC CS Python		
III	I B. Sc (IT) C I B. Sc DCFS C			I M.Sc. CS Algorithm and OOPS Lab C++		
IV	I B.Sc. CS with DA - C II M. Sc CS Cloud Computing MAT	II M. Sc CS MAT		I B. Sc (CS) - B III B.Sc. CS 'B' Oracle		
V	III B.Sc. CS 'B' Oracle	I B. Sc (CS) - B III B.Sc. CS 'B' Oracle		I B.Sc. CT Programming Lab C I M.Sc. CS Python		



## COMPUTER LAB RULES AND REGULATIONS

### Computer Lab Rules and Regulations for Staff

1. Mobile phones are strictly prohibited inside the Computer Lab.
2. Systems should be used only for official purpose (Internet should not be accessed for personal use)
3. The necessary details via Name, System No, Login Time, Logout Time and Signature has to be recorded in the concerned Staff Log register
4. After completion of work, staff has to properly shutdown and switch off the system and make sure the furniture are in appropriate position
5. For the allotted practical classes, the concerned staff has to be present in the lab atleast 5 minutes before the arrival of their students.
6. The staff has to remain inside the lab for their entire lab hour and should leave only after the students.
7. HOD's has to monitor their respective faculties regarding the maintenance of time, staff signature in log book and discipline inside the lab.

### Computer Lab Rules and Regulation for Students

1. Mobile phones are strictly prohibited inside the Computer Lab.
2. Student should maintain discipline and silence inside the lab.
3. Students should enter the required details in the login register.
4. Students should clear their doubts only with their concerned subject faculty.
5. students should contact the lab technician in case of technical problems.

