



Shri Shivaji Education Society, Amravati's  
**SCIENCE COLLEGE**

Congress Nagar, Nagpur - 440 012 (M.S.) INDIA

'A+' Grade with 3.51 CGPA in 3<sup>rd</sup> Cycle  
College with Potential for Excellence  
Recognised Centre for Higher Learning & Research  
Institutional Member of APQN  
A Mentor College under UGC PARAMARSH Scheme  
An ISO 21001:2018 Certified Institution  
NIRF 2024 Rank-band : 201-300



E-mail: shivajiscience\_ngp@yahoo.com Web : www.sscnagpur.ac.in



4<sup>th</sup> Cycle

Assessment & Accreditation by NAAC

**CRITERIA- IV Infrastructure and Learning Resources (100)**

**Metric No. : 4.3 IT Infrastructure (30)**

**Metric No. : 4.3.1 Q1M Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

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**Shri Harshvardhan P. Deshmukh**  
President

**Dr. Omraj S. Deshmukh**  
Principal

- 'A+' Grade with 3.51 CGPA (3rd Cycle) Reassessment College by NAAC, Bangalore
- A College with Potential for Excellence identified by UGC, New Delhi
- Member, APQN (Asia Pacific Quality Network)
- Recognized Centre for Higher Learning & Research
- Mentor College under 'Paramarsh Scheme' UGC, New Delhi
- An ISO 21001 : 2018 Certified Institution




**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President


No. Sc. ....

Date : .....

### Self Declaration

This is to certify that, the information, reports, true copies of the supporting documents, numerical data, and weblinks furnished in this file are verified by IQAC and the head of the institution and found correct.

  
**Dr. A. A. Halder**  
IQAC Coordinator  
S.S.E.S.A's  
Science College, Nagpur

  
**Dr. O. S. Deshmukh**  
Principal  
S. S. E. S. Amravati's  
Science College, Nagpur.



#### **4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

To keep pace with the rapidly evolving world of Information Technology, the college is committed to achieving full automation across all its activities, seamlessly integrating academic, administrative, and admission processes with the latest IT infrastructure. In this effort, the institution has significantly enhanced its IT facilities, expanding the number of computers, laptops, printers, scanners, LCD projectors, interactive touch boards, and Xerox machines. The college has also upgraded its website, streamlining the online admission process to ensure a user-friendly experience. Both office administration software and library management systems are updated regularly to meet contemporary needs. Moreover, all IT resources are periodically reviewed and upgraded to stay in line with emerging technological requirements.

The college boasts six well-equipped computer laboratories dedicated to undergraduate (UG) and postgraduate (PG) computer science students, along with a Network Resource Centre (NRC) lab. The institution's IT infrastructure includes 352 computers and laptops, 77 laser printers, five scanners, 30 LCD projectors, 12 smart boards, 10 LCD TVs, four Xerox machines, and a Cyberoam device for smooth office administration, academic support, and library operations. This advanced setup ensures that both students and staff have the tools necessary for efficient learning, research, and administrative functions.

A high-speed internet connection, powered by a 50 Mbps optical fiber leased line, provides fast, uninterrupted connectivity to all users. Additionally, the entire campus is equipped with a robust 24/7 Wi-Fi facility, accessible to both students and faculty members. The Wi-Fi coverage extends across all areas of the campus, including the girls' hostel, ensuring seamless internet access at any time and from any location. The campus is fully networked, supported by state-of-the-art IT infrastructure, enabling students and staff to access essential online services such as email, web browsing, and web-based applications. This fosters an environment conducive to academic research and other online activities.

To safeguard internet resources and ensure their proper use, the college has implemented a Cyberoam firewall. This firewall offers comprehensive protection against unauthorized access and illegal internet use, creating a secure online environment. Cyberoam's security appliances provide a range of advanced features such as firewall protection, VPN (SSL VPN and IPsec) for secure remote access, gateway antivirus, anti-spyware, anti-spam systems, and an Intrusion Prevention System (IPS) that helps detect and prevent cyber threats.

Bandwidth management, another critical aspect of the Cyberoam firewall, ensures optimal allocation of network resources, preventing any single user or application from consuming excessive bandwidth. This guarantees smooth and reliable internet performance for all users, even during peak usage times.

In addition to cybersecurity, the college has implemented a comprehensive CCTV surveillance system with 162 cameras strategically placed across the campus. This 24/7 monitoring system ensures the safety and security of students, faculty, and staff. The combination of advanced IT infrastructure and CCTV surveillance fosters a secure environment that is conducive to both learning and research.


To maintain its sophisticated and costly equipment, the college follows an Annual

Maintenance Contract (AMC) system. This ensures that ICT resources, including computers and other IT-related equipment, remain in good working condition. The current AMC, held with Computer Maintenance House, Nagpur, covers software installation, repairs, and upgrades. Regular quotations are sought to secure the best value for maintaining the college's IT infrastructure.

File Description	Documents
Upload any additional information	<a href="https://sscnagpur.ac.in/uploaded_files/4.3.1_a)IT_Infrastructure_.pdf">https://sscnagpur.ac.in/uploaded_files/4.3.1 a)IT Infrastructure .pdf</a>
Paste link for additional information	<a href="https://sscnagpur.ac.in/uploaded_files/4.3.1 (b) Receipts IT Facilities.pdf">https://sscnagpur.ac.in/uploaded_files/4.3.1 (b) Receipts IT Facilities.pdf</a>

  
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