YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	Shri Shivaji Education Society Amravati's, Science College, Congress Nagar, Nagpur.
• Name of the Head of the institution	PROF. M. P. DHORE
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	07122423432
• Mobile no	9423103043
• Registered e-mail	shivajinagpur2019@gmail.com
• Alternate e-mail	dhoremp@gmail.com
• Address	HUMPYARD ROAD, CONGRESS NAGAR, NAGPUR
• City/Town	NAGPUR
• State/UT	MAHARASHTRA
• Pin Code	440012
2.Institutional status	
• Affiliated /Constituent	AFFILIATED
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**UGC 2f and 12(B)**
• Name of the Affiliating University	**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR.**
• Name of the IQAC Coordinator	**DR. AMITABH A. HALDER**
• Phone No.	**07122423432**
• Alternate phone No.	**9975497774**
• Mobile	**9175128636**
• IQAC e-mail address	**iqac@sscnagpur.ac.in**
• Alternate Email address	**amitabhhalder@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	http://sscnagpur.ac.in/uploaded_files/AQAR_21-22.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	http://sscnagpur.ac.in/uploaded_files/Academic_Calendar_2022-23.jpeg

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 3	**A+**	**3.51**	**2017**	**09/06/2017**	**08/06/2024**

6.Date of Establishment of IQAC	**15/07/2004**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institutional	**Salary**	**Govt. of Maharashtra**	**202-2023**	**12,54,80,631/-**
Institutional	**NSS**	**RTM Nagpur University**	**202-2023**	**46,900/-**

8.Whether composition of IQAC as per latest	**Yes**

NAAC guidelines	
• Upload latest notification of formation of IQAC	View File
9.No. of IQAC meetings held during the year	**4**
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	**Yes**
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**
• If yes, mention the amount	

11.Significant contributions made by IQAC during the current year (maximum five bullets)

• Prepared Academic Calendar and Event Calendar. • All classrooms are updated with state-of-the-art ICT facilities. • Internal Academic Audit conducted. • Each department conducted activities under the guidance of IQAC like conducting seminars/ Guest Lectures/ Workshops. • Registration of B.Sc. Sem-I students in Academic Bank of Credits.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
1. To prepare an Academic calendar. 2. To Conduct an Internal Academic Audit. 3. Promoting young faculty members to undergo the Orientation Programme, Refresher Course, FDP, FIP, different workshops, etc. conducted by various HRDCs across the country.	1. Academic calendar is prepared. 2. Academic Audit is conducted. 3. Two faculty members attended the Refresher Course. 4. Two faculty attended short-term courses during the session. 5. Two faculties attended the Ms-Deed Level 1-workshop during the session. 6. Twenty-six faculties participated in the National and International Conference.
4. To encourage all departments to conduct Conferences/ Seminar/Workshop/Guest lectures of eminent personalities.	Department of Computer Science-1 1. Website Updating Program Dated: 10.09.2022 2. Guest Lecture on "CYBER SAFETY" On Dated 12.11.2022 3. One-day workshop on "WordPress" by WordCamp, Nagpur on dated 13.11.2022. 4. Guest Lecture on "Data Science, Industrial Robotics and Automation" On dated 19.11.2022 5. Guest Lecture on "Carrier Opportunities after Graduation" On Dated 19.11.2022 6. Workshop on "Cloud Technology" on Dated 11th February, 2023 Time 11.30 am. 7. Inter-Collegiate Online Quiz Competition on "Computer Programming Language Concepts" on Dated 2nd December 2022 Time 4 pm to 10 pm. 8. National Conference on Research innovations in ICT and computing Technologies (NCRIICT-2023)" on Dated March 27-28, 2023 Department of Chemistry-2 9. Celebration of World Water Day on 25th March 2023 10. Chem Clean Concentrate Floor Cleaner 11. Inter-University one day workshop on Cosmetics and Allied

Products. 12. Vidarbha Level One Day workshop on Eco Friendly Holi Colours 13. State-Level Workshop on the Topic "Beneficial Effects of Radiation Technology and Indian Nuclear Energy Programme" 14. Celebration Of The World Ozone Day-2022 15. Activity-7 - RepCounsaltancy Project - Water Testing Kit 2022-23 16. Counsaltancy Project - Smart Phone Application developemnt 2022-23 17. JAL 2022-23 Department of Maths-3 18. Guest Lecture by Tade Sir 19. Sketch_Poster_Competition Department of Microbiology-4 20. Best student 21. Calendar making competition 22. Indians speaking from abroad 23. Entrepreneurship 24. Scientific Model making 25. Skilled workshop 26. Strategizing & planning competitive exams 27. Dental check up 28. One day workshop covid-19 Department of Physics-5 29. Student Induction Programme (SIP) UG 30. Student Induction Programme For Post Graduate students of Physics 31. Guest Lecture On "Queen of Flat Land of Crystals: Graphene" 32. A Sky Watching Program 33. Installation ceremony of Physics Society Department of Zoology-6 34. Department Of Zoology Report 2022-2023 35. Nutrition Week Celebration 36. Wild life week celebration 37. World wetland Day 38. Wadi Seminar Compitition 39. Wardha Seminar Compitition 40. NEERI Visit 41. Workshop-Hands On Tools 42. Guppy fishes rearing 43. world snake day Department of Geology-7 44.

	Career opportunity in Geology (Government sector) 45. Geological Field Excursion Tour (III year) 46. Geological Field Excursion Tour (I year) 47. Geological Field Excursion Tour (II year) 48. Visit to IBM 49. Visit to GSI Department of Botany-8 50. Workshop on Nursery Techniques 2022-2023 51. Workshop on Extraction of Bioactive Compounds from Plant materials- 2022-2023 52. Excursion Tour Report 2022-2023 53. Mushroom Cultivation 2022-2023 54. Mou Department Of botany with cosmetics Technology Nikalas Mahila Mahavidyalaya 55. Amravati Exhibition News 2022-2023 56. Botany Subject Society 2022-2023 57. Plant Tissue Culture 2022-2023 58. Green festive celebration(WNCD) 2022-2023 59. Botany Report 2022-23 Department of Biotechnology-9 60. Best_student_award4 CalendarMaking Compitition Biotechnology/Calendar_making_competition_(2).pdf IPR Webinar Biotechnology/IPR_webinar 61. Stratrgy and Planning of Compititive Exam Biotechnology/planiing_for_competitive_exams.pdf 62. Scientific model compition 63. Skill based workshop Biotechnology/skill_based_workshop.pdf
13.Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
IQAC	10/05/2024

14.Whether institutional data submitted to AISHE

Year	Date of Submission
Yes	14/02/2024

15.Multidisciplinary / interdisciplinary

The Institutional preparedness for NEP 2020 towards the attainment of holistic and Multidisciplinary/interdisciplinary approach education, the institution offers flexible and innovative curricula that include two undergraduate credit-based courses like B.Sc. with twelve combinations of subjects (PCM, PEM, PCSM, SCSM, CBZ, CBM, CZM, CGM, CBG, CMBT, ECSM, PCG), Bachelor of Computer Application (BCA), Master of Computer Science in five subjects (Chemistry, Computer Science, Mathematics, Microbiology, and Physics) and Master of Computer Application (MCA). The college has established the Career Katta cell to provide value-added skilled human resources. To develop entrepreneurial skills among the youth. It is initiated jointly by the Maharashtra Information Technology Support Centre (MITSC) and the Maharashtra State Higher and Technical Department. The college offers a good research environment where Four Laboratories are recognized for Research (Ph.D. Programmes in 1. Chemistry, 2. Computer Science, 3. Mathematics, 4. Physics). We are also running seven Career Oriented Courses 1. Floriculture and Landscaping 2. Mushroom Cultivation, 3. Tissue Culture, 4. Web Designing, 5. Hydrogeology, 6. Wine Technology, 7. Mathematical Simulation with Maple. We have also established an Incubation Center for Research and Innovation in science.

16.Academic bank of credits (ABC):

As per guidelines of the National Education Policy-NEP 2020 implementation, our affiliating RTM Nagpur University, Nagpur registered itself on the Academic Bank of Credits (ABC) portal, hence Colleges affiliated to RTM Nagpur University Nagpur do not need to register themselves on the ABC Portal. The college has registered all the admitted students on the Academic Bank of Credit portal for the session 2022-23. Henceforth the admitted students' registration on the Academic Bank of Credit portal will be continued to support the purpose of NEP.

17.Skill development:

The NEP places a strong emphasis on promoting vocational education. It aims to remove the societal stigma associated with vocational courses by integrating them into the mainstream education system. This move encourages more students to explore vocational paths, fostering a diverse and skilled workforce. The Career Katta is initiated by the Maharashtra Information Support Centre (MITSC) which works under the Government of Maharashtra to provide value-added skilled human resources also developing entrepreneurial skills among the youths. The state government also has started the IAS Aaplya Bhetila Course to become bureaucrats and Udyojak Aaplya Bhetila to become an entrepreneur. Under Career Katta in collaboration with the Department of Higher Education, Maharashtra State for the overall development of Youth we are running the IAS and other competitive exam preparation training courses as well as courses for Entrepreneurship. In this academic session, we have applied for six skill development programs out of fourteen hundred skill development courses offered by Career Katta, and under Incubation Centre we have applied for Certificate Course in IPR.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The NEP places a strong emphasis on research and innovation, encouraging educational institutions to explore and expand the boundaries of knowledge. This includes promoting research in traditional Indian knowledge systems and ensuring their preservation and evolution. By fostering a culture of research, the NEP aims to position India as a global hub for knowledge creation and innovation. The NEP recognizes the importance of the mother tongue or regional language as the medium of instruction in the early years of education. This approach is rooted in the belief that learning in one's native language fosters better understanding, critical thinking, and cognitive development. Therefore Professors use mixed languages Hindi and English to deliver lectures in the class by looking at the language domain of the students to promote the Indian Language. The college promotes online courses like Swayam, NPTEL, Coursera, Udemy, etc., and urges all the students and faculty members to join at least one certificate course of their choice in an academic session. Under National Service Scheme (NSS)/ National Cadet Corps (NCC) activities, the promotion of cultural activities is done in college for the enrichment of traditional knowledge and value systems. The following activities are done to integrate Indian knowledge and value systems in education and inculcate them in students. Practicing Yoga and meditation through NSS. Celebrating Birth and Death Anniversaries of great saints/National heroes. Every year organize cultural activities during Yuva Mahotsava (The Birth

Anniversary celebration of Dr. Panjabrao alias Bhausaheb Deshmukh, the founder President of Shri ShivajiEducation Society.). Every year on Independence Day and Republic Day the college organizes various patriotic activities.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The integration of Outcome-Based Education into the National Education Policy reflects a commitment to fostering a dynamic and relevant education system. By emphasizing learning outcomes and holistic development, OBE aligns with the goals of the NEP in preparing students for a rapidly changing world. The collaborative efforts of educators, policymakers, and stakeholders will be crucial in successfully implementing and realizing the transformative potential of Outcome-Based Education. Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery and assessment are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels. Some important aspects of OBE includes, 1. The course is defined as a theory, practical, or theory cum practical subject studied in a semester. 2. Course Outcomes (CO) are statements that describe significant and essential learning that learners have achieved and can reliably demonstrate at the end of a course. Generally, three or more course outcomes may be specified for each course based on its weightage. 3. Programme is defined as the specialization or discipline of a Degree. It is the interconnected arrangement of courses, and co-curricular and extracurricular activities to accomplish predetermined objectives leading to the awarding of a degree. 4. Programme Outcomes (POs) are narrower statements that describe what students are expected to be able to do by the time of graduation. 5. Program Educational Objectives (PEOs) of a program are the statements that describe the expected achievements of graduates in their careers, and what the graduates are expected to perform and achieve during the first few years after graduation. 6. Programme Specific Outcomes (PSO) are what the students should be able to do at the time of graduation concerning a specific discipline. SSESA's Science College is among the reputed colleges in Central India. In tune with our vision "To Create human resources through quality, societal, progressive and affordable education" we were very much concerned with Outcome Based Education (OBE) since its inception. We are running two UG courses and Six PG courses, in each course syllabus the Outcome of these Courses is already defined. We focus on the holistic development of students and overall personality development with value education through cultural activities and assist them 100% in their placement in various multinational and national Industries. Every year our

students are placed in industries like Wipro, Infosys, Capgemini, etc.

20.Distance education/online education:

The National Education Policy recognizes the transformative potential of distance and online education in fostering a more inclusive, flexible, and technology-driven learning environment. By embracing these approaches, the education system can adapt to the challenges of the modern world, providing learners with the skills and knowledge necessary for success in a rapidly evolving global landscape. The NEP 2020 guideline is urging all higher education institutions to offer at least one vocational course through ODL (Open and Distance Learning) mode presently our courses are run offline mode and we plan to transform them into ODL mode in future endeavors. Given the NEP 2020 guideline, we have directed our students to enroll themselves in at least one online certificate course like SWAYAM, NPTEL, or MOOCs and submit the completion certificate to the IQAC office through their respective mentor under a "mentor-mentee" scheme run by the college. In parallel, we are continuously developing our Information Technology (IT) infrastructure as well and all our classrooms are internet-connected through Wireless Fidelity (Wi-Fi) for delivering lectures using Powerpoint Presentations on digital platforms like interactive Smart Board, Laptops, Desktops, Projectors, etc. With aforesaid effort gradually we would be transforming into the capacity to provide a blended learning environment to our students in the future.

Extended Profile

1.Programme

1.1   **24**

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	[View File](#)

2.Student

2.1   **2038**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2   **1060**

Number of seats earmarked for reserved category as per GOI/ State
Govt. rule during the year

File Description	Documents
Data Template	[View File](#)

2.3   **745**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1   **85**

Number of full time teachers during the year

File Description	Documents
Data Template	[View File](#)

3.2   **55**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1	24
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	2038
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

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File Description	Documents
Data Template	View File

2.3	745
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	85
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	55

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	20
4.2 Total expenditure excluding salary during the year (INR in lakhs)	472.23
4.3 Total number of computers on campus for academic purposes	314

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

- **The college believes in adopting a holistic approach towards the effective delivery of the curriculum systematically. College is required to follow the curriculum prescribed by affiliating RTM Nagpur University, Nagpur.**
- **The college designs its academic calendar according to the University Calendar for effective implementation of the curriculum.**
- **The college holds a meeting of the college council to discuss the action plan.**
- **The principal conducts meetings with the council of heads and approves the academic activities to be conducted during the session. All head of the departments conducts their departmental meetings and distribute the curriculum/workload/various activities to be carried out among the staff members for systematic implementation.**
- **The timetable committee prepares the timetable for the semester.**

- **Each faculty member maintains an academic diary with a daily plan and attendance of students. The diary is checked and signed by the head of the department and the head of the institution at regular intervals.**

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	http://www.sscnagpur.ac.in/uploaded_files/ 1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process.docx

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Continuous Internal Assessment is a form of educational examination that helps to evaluate the progress of students throughout the prescribed course. Continuous assessment allows tracking of progress and an opportunity is extended to the students to acquire enhanced support and guidance, including an occasion for the students to improve during the program.

Continuous assessment of students is carried out through various means. Unit tests are carried out on every unit. Assessments are organized by means of surprise tests, class tests, and seminars.

Surprise tests encourage the students to develop their knowledge and skills. It also enables the students to be mentally prepared to reflect on the progress and understanding of learning that they acquired throughout the semesters. This further provides an exceptional prospect for the teachers and the students to identify the understandings i.e. between the explanation of concepts put forward by the teachers and the grasping of the same by the students. Ultimately this methodology aids the college to modulate teaching techniques according to the student requirements.

Through Seminars, students learn the approach towards problem solving. It promotes analytical thinking and creativity among students. Students learn communication skills and develop the virtue of articulation.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	http://www.sscnagpur.ac.in/uploaded_files/ 1.1.2_-_The_institution_adheres_to_the_aca demic_calendar.docx

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File](#)
Any additional information	[View File](#)

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

6

File Description	Documents
Any additional information	[View File](#)
Minutes of relevant Academic Council/ BOS meetings	[View File](#)
Institutional data in prescribed format (Data Template)	[View File](#)

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

05

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

153

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

1. Gender: For redressal of sexual harassment the College has constituted Internal Complaint Committee (ICC). Girls feel secure and safe in the college campus. ICC organized an online awareness program on sexual harassment at the workplace.Women's Grievance Redressal Cell (WGRC) also organized a lecture on challenges in womanhood.
2. Environmental Education: Environmental Studies is taught as a compulsory subject for UG second-year students which emphasizes Green & Clean Campus and Tree Plantation. World Ocean, Earth, World Water Days, and Green festive celebrations, were organized. Vasundhara e-pledge and Tree plantation were organized.
3. Health: Dental check-up camp was organized by Swargiya Dadasaheb Kalmegh Smruti Dental College and Hospital, Wanadongri Hingna. Blood donation camp, drug awareness

programs were organized. Anti-tobacco day, International Yoga day were celebrated for health awareness.

4. **Human Values:** The college ensures the transformation and training of responsible youth through education. The college observed Republic and Independence Day, Voter's Day celebration and Constitutional Day. The college also celebratedDr.Punjabrao Deshmukh Jayanti, Mahatma Gandhi Jayanti, Lal Bahadur Shastri Jayanti, Sant Gadgebaba Jayanti, and Dr. Ambedkar Jayanti. The college students actively participated in the Unity run organized by district administration and students and staff members of the college voluntarily made donations for the Adivasi Ashram Shala, Nagalwadi run by Gadgebaba Mission.

5. **Professional Ethics:** Intellectual property rights workshop was organized, projects were carried out in ICT companies, and career guidance, and placement session were organized.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

7

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

145

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above

File Description	Documents
URL for stakeholder feedback report	http://www.sscnagpur.ac.in/uploaded_files/ Feedback_Report_2022-23.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://www.sscnagpur.ac.in/uploaded_files/ Feedback_Report_2022-23.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

2038

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

1060

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

A student induction program is organized at the beginning of the session for students of B.Sc./BCA Part-I. Through this program, students are introduced to the teaching-learning and evaluation process, and activities, codes of conduct for college discipline. Students are made aware of support services. The learning level of the students is identified through the classroom interaction and the previous year's performance. From the second year onwards, we consider their performance for internal assessment. The academic performance of the students helps in identifying the slow and advanced learners.

Measures in Force for Advance Learners:

1. Add-on Courses/Skill based courses

2. NPTEL, SWAYAM courses

3. Certificate courses under Career Katta

Measures in force for Slow Learners

1. Bridge courses are taught.

2. Problem-solving sessions and assignments are conducted for slow learners of the subjects.

3. Remedial Classes are conducted.

File Description	Documents
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/2.2.1_-_The_institution_assesses_the_learning_levels_of_the_students_and_organizes_special_Programmes_Activity-1_2022-23.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2038	85

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

1. The experiential learning:

Online laboratory sessions are conducted to acquaint the UG students with experiments other than those mentioned in the syllabus. PG students are made to complete research-based projects on topics allotted by their supervisors. The students are encouraged in research activities such as soil analysis and water analysis.

2. Participative learning: To inculcate participative learning and improve scientific temperament among the students different activities are conducted on various topics like online seminars, conferences, tree plantation and slogan competitions, etc. The students participated in the teaching-learning process through the question-answer method, group discussions, Quizzes, brainstorming sessions, and student seminars on different topics. In all the subjects interactions are augmented by giving assignments after the completion of each topic and contents are analyzed in the classrooms by the teachers.

3. Problem Solving Techniques:

All the Departments encourage the students to develop problem-solving skills by also organizing guest lecturers of expert speakers on various topics. The students are encouraged to participate in various activities where they can use their specialized skills. The College conducts various student-centric activities throughout the year. The learning becomes more experiential, participatory, and socialistic by organizing activities like group discussions, debates, and other extracurricular activities.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	http://sscnagpur.ac.in/uploaded_files/This_is_not_Applicable.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The Institution is concerned about providing state-of-the-art infrastructure and learning resources to enhance learning experiences. An E-learning environment is created in the college, smart classrooms are available with well-equipped Smartboards, LCD projectors, audio-visual facilities, and various ICT tools.

1. To attain competence, teachers record and upload lectures, and practicals on YouTube channels and Google Classroom.

2. Our College has smart boards installed in the classrooms.

3. Teachers and students have enrolled in e-learning courses like NPTEL and Swayam to cope with exams.

4. All the departments conducted seminars, quizzes, and guest lectures on the new developments and latest issues in the core subjects. Activities like research presentation competitions, poster competitions, seminar Competitions, and quizzes were organized. The college promotes ICT-enabled tools including online resources for effective teaching and learning process. All the teachers use LCD Projectors, Video Conferencing, MOOCS, and e-learning facilities. The ICT infrastructure is equipped with, resources like Leased lines, Multimedia Projectors, Desktops, laptops, Wi-Fi, and LAN are used by the teachers.

5. All the faculties use interactive and collaborative methods like LMS for teaching. For U.G. and P.G. students project work on socially and environmentally relevant topics is assigned by the teachers. The students also make the best use of ICT facilities available in the college.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

85

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

85

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

47

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

707

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The college prepares an academic calendar and event calendar at the beginning of the session taking into account the academic calendar of the University for effective implementation of curriculum. The college organizes a meeting of HODs and the college council to discuss the action plan. The suggestions given by faculty members are discussed and implemented accordingly. Syllabi of all the skill-based courses are designed by the respective coordinators and submitted to the university. IQAC plays an important role in the design, development, and deployment of action plans. It coordinates and monitors academic activities throughout the year. The heads of all the departments conduct their departmental meetings for the distribution of curriculum/syllabi/workload among the staff members and to discuss the activities to be conducted during the session. The principal conducts meetings with the council of heads and approves the academic activities to be conducted during the session.

Internal assessment helps to evaluate the student's performance accurately.

1. Bridge courses were conducted at the beginning of the first semester.

2. Teachers conducted the unit tests, and surprise tests as per the schedule given in the calendar.

3. Internal examinations were conducted.

4. Complete transparency is maintained while doing internal Assessments.

5. Marks of internal assessment were displayed on the noticeboard for students.

File Description	Documents
Any additional information	[View File]()
Link for additional information	http://www.sscnagpur.ac.in/uploaded_files/ 2.5.1 - The mechanism of internal assessment_is_transparent.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

A transparent, time-bound, and efficient method is being followed for dealing with grievances related to the internal examination. For conducting the internal assessment at the college level committee is constituted for the smooth conduction of the internal assessment.

continuous evaluations are done throughunit-tests, assignments, projects, etc. The evaluated answer sheets are shown to students in class and faculty undertakes individual grievances with a student on the paper if required by the student. If any discrepancies are reported by the students, then they are resolved by the faculty immediately. In M.Sc. Sem-II internal evaluations of the project is conducted in front of the panel consisting of the head of the department as an external examiner and the supervisor as an internal examiner.

Redressal of grievances at the institute level:

1. Departmental Level: The internal marks are allotted to the students based on performance in the test examination, attendance, etc. If any student has some grievance, then it is resolved by discussing it with the faculty and head of the department.

2. College Level: The college has constituted a grievance redressal committee. Grievances of the students during the theory and practical examinations of RTM Nagpur University, Nagpur are registered by the grievance redressal committee and the same is forwarded to the University authorities for redressal.

3. University level: Grievances related to examinations, results, corrections in mark sheets, and certificates issued by the university, are received by the college office, and the same are reported to the respective University authorities.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	http://www.sscnagpur.ac.in/uploaded_files/ 2.5.2 - Mechanism to deal with internal ex amination related grievances.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Program outcomes and course outcomes represent the knowledge, and skills the students should have acquired at the end of the program/course completion. The college offers two academic programs at the undergraduate level (B.Sc. And BCA) and six programs at the post-graduate level (M.Sc.: Physics, Mathematics, Chemistry, Computer Science, Microbiology, and MCA). The teachers share the information regarding program outcomes and course outcomes with the first-semester students in the student induction program which is organized at the beginning of the academic session. As per the schedule given in the academic calendar Students Induction Programme (SIP) is organized for first-semester students: 1. To help the students feel comfortable with the new atmosphere.

2. To inculcate the ethos and culture of the institute.

3. To help them bond with other students and teachers.

All students are apprised of the objectives and expected outcomes of their program on admission during the address. The importance of the learning outcomes has been communicated to the teachers in every IQAC meeting and College Council meeting. Learning Outcomes of the Programs and Courses are observed and measured periodically. The program outcomes of all graduate and post-graduate student programs offered by the college are displayed on the college website. Motivational lectures, skill enhancement activities, and mentoring sessions are organized regularly. During the admission process, the teachers counsel the students and parents on the expected outcomes of the program.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://sscnagpur.ac.in/uploaded_files/POS_AND_COS_2022-2023.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Our Institute is affiliated with RTM Nagpur University Nagpur. The college offers Undergraduate, Post Graduate, Research Programs, and Certificate Courses under the Faculty of Science and Technology. For these programs and courses, the institute follows the curriculum designed by RTM Nagpur University, Nagpur. The Programme Outcomes (PO), and Course Outcomes (CO) are evaluated by the IQAC and uploaded on the website and the same is communicated to the students in a formal way of discussion in the classroom and departmental notice board. The institute followed the Academic Calendar prepared by IQAC. All the subject teachers maintained an Academic Diary. All the subject teachers prepared Semester-Wise Evaluation Reports. There is an internal college examination committee that deals with the effective implementation of the evaluation reforms regarding the attainment of program outcomes, and course outcomes. The college also tries to attain the program outcomes and course outcomes by conducting activities such as cultural activities, N.S.S. activities, various collegiate and inter-collegiate competitions, organizations of Scholarly Lectures, Health Awareness Programs, Blood donation camps, etc.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://www.sscnagpur.ac.in/uploaded_files/POS_AND_COS_2022-2023.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

485

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	http://sscnagpur.ac.in/uploaded_files/This_is_not_Applicable.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

http://sscnagpur.ac.in/uploaded_files/SSS_2022-23.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

22

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://www.sscnagpur.ac.in/uploaded_files/Not_Applicable.pdf

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

1. Shri Shivaji Education Society Amravati's Science College (SSESASC) Innovation Foundation was incorporatedon 16/09/2020 under the Companies Act, 2013(18 of 2013) as a section 8 company.
2. Shivaji Science Innovation & Incubation Centre has established itself as a beacon of innovation and entrepreneurship since its inception in 2022.
3. Through various initiatives, including workshops and online courses, the institution fosters awareness of intellectual property rights and entrepreneurial skills among students.
4. Notably, collaborations with organizations like Bharat Eco Solutions & Technologies and efforts to promote certificate courses on Intellectual Property Rights demonstrate a commitment to holistic education.
5. Moreover, ground-breaking developments, such as the advanced water testing kit and smartphone applications for cultural

heritage sites in Uganda and Kenya, showcase the institution's global impact.

6. Collaborations with governmental bodies and the establishment of an Incubation Centre further underscore its dedication to nurturing talent and promoting innovation.

7. With a focus on research and skill enhancement, coupled with strategic collaborations, the institution continues to pave the way for transformative education and societal impact.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/3.2.1_Certificate_of_Incorporation-updated.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

04

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

40

File Description	Documents
URL to the research page on HEI website	http://sscnagpur.ac.in/uploaded_files/3.3.1.1-List_of_Ph.D._Scholars_and_their_Details.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

09

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

74

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The College has been actively engaged in various extension

activities under the National Service Scheme (NSS) and National Cadet Corps (NCC) units during the academic year 2022-23. These activities have aimed at fostering social responsibility, community engagement, and holistic development among students. Here is a summary of the activities conducted:

International Yoga Day

Organizing Unit/Agency: NSS Number of Students Participated: 50 Filariasis Disease Camp

Organizing Unit/Agency: NSS Number of Students Participated: 60

Aadhar with Voter Card

Organizing Unit/Agency: NSS Number of Students Participated: 57

Tree Plantation

Organizing Unit/Agency: NSS Number of Students Participated: 44

Unity Day Celebration

Organizing Unit/Agency: NSS Number of Students Participated: 44

Distribution of Utensils, Clothing and blankets to Tribal Students and peoples at Sant Gadge Baba School at Nagarawadi

Organizing Unit/Agency: NSS / NCC Number of Students Participated: 29

Blood Donation Camp

Organizing Unit/Agency: NSS Number of Students Participated: 22 Total Students Participated: 306

These activities have not only contributed to the personal growth and development of the students but have also made significant contributions to the betterment of society. The college is committed to organizing such impactful initiatives in the future to nurture responsible citizens and contribute to nation-building.

File Description	Documents
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/3.4.1_Extension_Activity.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

2

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

07

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

306

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

20

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

7

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The campus is spread over 3 acres of land with a built-up area of 12052.57 sq. mt. There are three multi-storied buildings with 50 MBPS Leased Lines and Wi-Fi facilities named Block A, Block B, and Block C. Girls' Hostel: Ladies Gym, Guest House for resource persons, Guest room for guardians, warden accommodation, and dining hall. Facilities available as below:

1. Classrooms: 20 spacious classrooms with glass boards, digital boards, a dais, and a podium.

2. Technology Enabled Learning Spaces: All departments are well equipped with LCD, ICT, Wi-Fi, and Leased line connection, Computers, and Laptop. The library is equipped with ICT, e-books, and e-journals. The Audio-Visual Room with ICT and Video Conferencing facility is available.

3. Conference Hall/ Seminar Hall: The Conference Hall carpet area is 278.39 sq. mt., seating capacity of 350. One meeting hall with a carpet area of 540 sq. ft.

4. Tutorial spaces, Laboratories: There are 8 tutorial rooms and well-equipped laboratories.

5. Museum: Departments of Zoology, Geology, and Botany have museums.

6. Botanical Garden: A well-maintained botanical garden where the students study flora and fauna and different aspects of medicinal plants.

7. The complete campus is under CCTV Surveillance.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/This_is_not_Applicable.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The following sports facilities are available in the college.

Outdoor Games: A spacious playground is available for outdoor games viz. Cricket, Athletics, Softball, Football, Volleyball, Basketball, etc. on the college campus.

Indoor Games: Facilities for sports like Chess, Table Tennis, etc, are provided to students on the college campus. The college shares an indoor badminton court available on the same campus belonging to Dhanwate National College, a college run by our parent society.

Gymnasium: The college has a well-equipped Gymnasium for girls with all the advanced equipment. The facility of the Gymnasium belongs to Dhanwate National College, a college run by our parent society is made available for boys.

Auditorium: The college has an auditorium with a seating capacity of around 350 for special seminars or cultural activities.

Public speaking and communication skills development: The language laboratory enables the students to acquire communication skills with proficiency in syntax, grammar, phonetics, and pronunciation.

Yoga: The Department of Physical Education creates awareness regarding the importance of yoga asanas, and different kinds of exercises to maintain the good health of students and staff. The NSS unit organizes Yoga classes for the staff and students in the morning during NSS camp.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/This_is_not_Applicable.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

22

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

420.67052

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The college has a central library that is fully computerized and equipped with the latest technologies such as e-learning, N-List, OPAC, UGC-Network resources, INFLIBNET, educational CDs, tutor CDs, etc. The Library has a separate internet zone with 16 machines for students. The library subscribes to national/international journals, periodicals, news dailies, and magazines. The Library is equipped with competitive examination books, project volumes, and Manuals. The Library also provides the facility of reprography, scanning, and printing. New arrivals of academic resources are displayed from time to time. The library is enriched with a total no. of 41313 books which includes reference books, and textbooks. The library is equipped with e-books, e-journals, INFLIBINET / N-List, OPAC, UGC Network resources, and a mobile app facility.

Library as a Learning Resource: The library has an Advisory Committee comprising the principal, librarian, and all HOD/coordinators of PG courses. It acts as a liaison between the faculty, students, and administration. The annual budget for the library is prepared by the library advisory committee. The committee discusses and suggests the activities and prepares the strategy to make the library user-friendly. It also ensures the optimum use of library resources.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	http://sscnagpur.ac.in/uploaded_files/4.2.1_additional_information.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

6.25

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

100

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The college has a high-speed leased line internet facility of 50 Mbps. The college campus has a 24 x 7 Wi-Fi facility for the students and faculty members to get an internet connection at any place in the college campus and girls' hostel. Connectivity through a fully networked campus with state-of-the-art IT

infrastructure, computing, and communication resources provides students with access to e-mail, net surfing, and up/downloading of web-based applications. The college has a Cyberoam firewall to prevent the illegal use of the Internet. Cyberoam network security appliances include a host of features such as Firewall - VPN (SSL VPN & IPsec), Gateway Antivirus, Anti-Spyware & Anti-Spam, Intrusion Prevention System (IPS), Content & Application Filtering, Web Application Firewall, Application Visibility & Control, and bandwidth management. It provides complete visibility into what applications are being accessed within the organization and by which users, regardless of their ports and protocols. It blocks sophisticated application-layer threats right at the network perimeter, thereby ensuring application security. The whole campus is equipped with a CCTV surveillance facility.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/This_is_not_Applicable.pdf

4.3.2 - Number of Computers

314

File Description	Documents
Upload any additional information	[View File](#)
List of Computers	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS

File Description	Documents
Upload any additional Information	[View File](#)
Details of available bandwidth of internet connection in the Institution	[View File](#)

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic

support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

53.53061

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

A provision is made in the financial budget for the maintenance and minor repairs of furniture and equipment. The management approves and allocates the funds. Day-to-day cleaning is carried out by an outsourcing agency. The Electronic equipment/instruments are maintained and repaired through the college funds. The college has an AMC for the maintenance of computers, networking facilities, ACs, water purifiers, generators, and lifts. The maintenance and improvement of the campus are undertaken with the help of the local administration and Municipal Corporation.

Maintenance of other support systems: Housekeeping for regular cleanliness of corridors, washrooms, classrooms, laboratories, and premises is done by external agencies. Sanitizing of washrooms is done regularly.

Greenery is maintained by the Botany department. Solar Panels and power backup facilities like Generators are maintained by AMC. Overhead water tanks and water coolers are cleaned periodically. The functioning of computers and Laboratory equipment is inspected at the start of the session. The housekeeping committee of the institute inspects the facilities like toilets, classrooms, and corridors. The Library committee collects the specific needs of the students. The sports committee ensures the availability of sports equipment and monitors ground, courts, and indoor games facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/ This_is_not_Applicable.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1016

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

11

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	http://www.sscnagpur.ac.in/Department/Chemistry/5.1.3_(1).pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

10

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

10

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent

A. All of the above

mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

49

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

70

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

21

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

52

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at unive rsity/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

The Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities by forming various Administrative Assistance Committees mentioned as under.

Name of the Committees

1. Student council:

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

2. I Q A-C :

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

3. Science Association And Subject Societies:

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

4. Student Development Cell

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

5. Committee for College Students Responsibility Fund

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Ass

istance_Committee.pdf

6.College Magazine Committee

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

7. Alumni Association

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

8. National Cadet Corps (NCC)

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

9. National Service Scheme (NSS)

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

10. Internal Committee (Provision of Right of Persons with Disability Act 2016)

http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf

File Description	Documents
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

20

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

There is an active alumni association registered with the Charity Commissioner Registration No. MAH1575/12(N) dated 21/12/2012 as per Societies' Registration Act 1860. The Alumni Association organizes social educational programs including interactions with alumni. Alumni association Generates funds for academic and infrastructure development. College Alumni Association President Dr. Avinash Rode renders his services for the medical care of the staff and students. Alumni Association helps in grooming leadership at various levels. Guest lectures are organized to mentor the students for competitive exams. The Alumni Association also provides Financial assistance to economically backward students. Former students of the association have started a scholarship of Rs. 10,000/ per student for three economically backward students at the graduation level, and one student at the postgraduate level. In all, every year seven students are given scholarships amounting to Rs. 70,000/-. Our alumni donated 700000/- for the development of the Institute.

OTHER SUPPORT

Workshop on, "career opportunities in Armed forces"

Career Guidance

Workshop on Compression only life support (COLs)

Life Skills and Medical Awareness

Workshop on Cosmetics and Allied Products

Entrepreneurship

Books Donation to the Geology Department

Donation

Lecture on Mind, Soul, and Body

Health Awareness

FINANCIAL SUPPORT

Alumni Association Scholarship for Eight Meritorious and Needy Students

80,000/-

DONATION RECEIVED

Dilip Chintamanrao Karokar

24/11/22

300000/-

Shyamli Subhash Pande

09/12/22

100000/-

Parag Rajendra Deshmukh

31/12/22

100000/-

Ruchika Subhash Pande

31/12/22

200000/-

Total Donation Received =

700000/-

File Description	Documents
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/Not_ Applicable.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ? 5Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision:

- **To lead from darkness to light.**
- **To create human resources through quality, societal, progressive, and affordable education.**

Mission:

- **To provide students with an environment for the all-round development of their intellectual, physical, aesthetic, and social potential.**
- **To discover and develop the academic and intellectual skills of the students. To encourage attitudes of integrity, hard**

work, honesty, fairness, and tolerance in students so that they give their best to a society based on human values.

- To inculcate a passion for excellence through information and communication technology, industrial exposure, and scientific projects leading to elevate career profiles and National development.
- To stimulate the students to perform at the peak of their potential.

The College makes every effort to communicate its vision and missionto its stakeholders.

- Highly qualified and dedicated faculty to provide to inculcate cultural and social values among stakeholders.
- Transparent administration. Adequate and well-maintained infrastructure, well-equipped laboratories, girls' hostel, and gymnasium.
- Use of ICT in teaching-learning and administrative processes with e-governance.
- All round development through sports, NCC, and NSS.
- The college organizes events for the birth and death anniversary of the social reformers and organizes the Yuva Mahotsava to mark the birth anniversary of Dr. Panjabrao alias Bhausaheb Deshmukh, founder of the parent Society.

File Description	Documents
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/Academic_Calendar_2022-23.jpeg
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

1. Hierarchical Division of Work: The college is managed/ Governed by the able guidance of governing body members of Shri Shivaji Education Society Amravati. The President of the Society is the chairman of the governing body along with Office Bearers and Executive members while the day-to-day functioning is handled by the Principal. The principal is given the freedom to plan academic and administrative activities for the smooth conduct and continuous progress of the college. Various committees are formed as per the guidelines of UGC and RTM Nagpur University, Nagpur. The Committee heads are responsible for submitting reports to the

Principal and Coordinator IQAC from time to time. The Principal gives complete freedom to the Heads of the department to plan and execute the various activities. Decentralized governance is ensured through various administrative assistance committees.

2. Participative decision-making through College Development Committee: The College Development Committee (CDC) is constituted as per the Maharashtra University Act 2016. Three teachers and one non-teachingstaff member represent the CDC. The representation of students as President and secretary of the student council are also members of the CDC. The management seeks the opinions of the CDC members for taking short-term and long-term decisions.

File Description	Documents
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/22-23_Administrative_Assistance_Committee.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The college follows government policies laid down by the Department of Higher Education, Government of Maharashtra, and rulesand regulations laid down by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. A strategic plan has the following aspects –

Vision and Mission of the college

Academic Calendar

Event calendar

Annual Academic Plan

AQAR

Action Taken Report

Feedback Student

Satisfaction Survey

The college plans and formulates the course of action for the betterment of stakeholders. It helps to improve the performance of students. The department plans various curricular, and extracurricular activities throughout the year. The faculty through various administrative assistance committees encourages the students to take part in various activities. activities.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded files/ 6.2.1 The institutional Strategic perspective plan is effectively deployed.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The internal organizational structure of the institution is as follows:- Decision-Making Process: The president of the parent society has a pivotal role in the decision-making process. The executive committee authenticates the policies and programs of the institution. The policies regarding quality enhancement, financial support, and its implementation are decided by CDC. The Principal is empowered to make decisions on academic and administrative matters. The college council is empowered to advise the CDC and the principal on matters related to the internal management, discipline, and improvement of the academics of the college. The Principal along with the CDC members, IQAC, HOD, Librarian, and conveners of various administrative assistance committees plan and monitor all the academic and administrative activities. The office administration takes due care of all the administrative matters pertaining to the faculty and students. Extracurricular activities are planned in consultation with the student council. The appointments of Teaching and Non-teaching staff are made by the parent societyas per the norms of the Maharashtra State Government and RTM Nagpur University, Nagpur. Every year the Joint Director, Higher Education, Nagpur Division, Nagpur conducts a camp for staff justification based on the number of students enrolled during the year.

File Description	Documents
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/ 6.2.2.pdf
Link to Organogram of the institution webpage	http://www.sscnagpur.ac.in/uploaded_files/ 6.2.2.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The following are the welfare Measures that exist for teaching and non-teaching staff.

- Employee's Provident Fund (EPF)/ Contributory Provident Fund (CPF): The institution has the mandatory provision of EPF and contributes the eligible amount to the respective EPF account.
- DCPS/NPS as per government norms New Pension Scheme is applicable for the employees appointed after the year 2005.
- Gratuity: Employees are eligible for gratuity benefits as per the provisions of "Payment of Gratuity Act 1972".
- Accidental Group Insurance: Group accident insurance is offered to employees to protect them against medical expenses.

- **Medical & Maternity Leaves:** The medical reimbursement facility is extended to teaching and nonteaching staff by the government of Maharashtra. A woman employee of the institution, who has completed at least one year of continuous and satisfactory service, is eligible for Maternity Leave.
- Incentives for Research Publications.
- Career Advancement Scheme (CAS) Promotions for teaching staff.
- Time-bound promotions for the non-teaching staff
- Shri Shivaji Education Society Amravati's Employees Cooperative Credit Society, facilitates long-term loans up to Rs. 10 Lakhs and instant loans up to Rs. 50 thousand.
- Registration fee/ travel grant is paid by the institute to the faculty to attend Workshops/Seminars/Conferences.
- Faculty are encouraged to register for PhD programs to achieve academic excellence.
- Skill development courses are organized for non-teaching staff to enhance their skills in the work environment.
- The college encourages the employees to be fit and healthy by facilitating them with gym, games, sports, and recreation.

File Description	Documents
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/ 6.3.1._The_institution_has_effective_welfa re_measures_for_teaching.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

54

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

06

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

07

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The College has an effective Self-Appraisal System for teaching staff members. Teachers fill up Self-appraisal forms and provide supporting documents. The performance of each employee is assessed annually after the completion of one year of service. The objective is to identify potential aspects for improvement that can eventually lead to further progress and growth of the employee.

For Teaching Staff:

a) The performance of each faculty member is assessed according to the Annual Self-Assessment Report (ASAR).

b) Promotions under the UGC Career Advancement Scheme (CAS) are based on the API score claimed in the Annual Self-Assessment Report (ASAR).

c) Faculty members are assigned duties and responsibilities in different Administrative Assistance Committees. The Institute gives due weightage to these contributions in their overall evaluation.

d) The faculty member informs the principal of the institute regarding the CAS promotion due at least three months before the due date.

e) The ASAR filled by the Faculty Member is checked and verified by the Heads of the Departments, the IQAC Coordinator, and the Principal.

f) Faculty members whose promotions are due are recommended based on their API score and are required to appear before the screening-cum selection committee constituted by Rashtrasant Tukadoji Maharaj Nagpur University Nagpur.

For Non-Teaching Staff: All non-teaching staff is assessed through annual Confidential Reports (CR) and annual performance appraisals. Every year based on the Annual Performance of the staff members, the college declares the best service award, Best teacher award, and Best researcher award.

File Description	Documents
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/This_is_not_Applicable.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The Institution has established a mechanism for conducting internal and external audits of the financial transactions every year to ensure financial compliance.

Internal Audit: The internal audit is conducted annually by an approved auditor appointed by the Management. They submit an audited statement of income and expenditure to the management for consideration and approval. Certified Chartered Accountant conducts the Internal Audit every year by auditing standards generally accepted in India. The mechanisms used to monitor effective and efficient use of financial resources.

External Audit: The duly audited reports are submitted to the external audit team. The external audit is carried out elaborately every year by CA & Auditor General, Mr. Mohan Rathi, Rathi & Rathi Company the External Audit Team regularly audits the college financial report. In case of any objections, the institution deals with them promptly and takes necessary corrective measures in a completely transparent manner.

Criteria for settlement of objections of External Audit:

Examining the procedures policies and regulations of Vouching.

Verifying the salary payment, TDS, Income Tax, EPF, GPF, Professional Tax, Gratuity, etc.

Encashment of leave for nonteaching, Librarians, and principal

evaluating fee receipts, and Certifying the audit report.

Filing the Income Tax returns regularly, and checking Medical reimbursement claims.

File Description	Documents
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/ 6.4.1_-_Institution_conducts_internal_and_ external_financial_audits.docx
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0.76

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The Finance Committee and Governing Body effectively monitor the optimum utilization of Resources. The college-level committees implement the schemes in a time-bound manner. The college mobilizes funds through student fees, self-finance courses, funded research projects, alumni donations, and grants from UGC under various schemes. Our resource mobilization policy and procedures

are as follows:

1. The college has set up UGC Committees as per the directions of the UGC given in the XII Plan.

2. The UGC Committee, in close coordination with the CDC and the IQAC, monitors the mobilization of funds and makes sure that the funds are spent for the purpose for which they have been allocated.

3. The Purchase Committee takes care that purchases are done properly and in accordance with the rules.

4. The College Development Committee reviews the mobilization of funds and the utilization of these sources periodically in their meetings.

5. Regular internal audits from the Chartered Accountant and external audits from the government make sure that the mobilization of the resources is being done properly.

6. The timetable committee looks after the proper utilization of classrooms and laboratories.

7. The Library Advisory Committee takes care that the resources in the library are utilized optimally.

8. Our Botanical Garden is maintained by the Department of Botany.

9. Campus cleanliness and its utilization is monitored by the Campus Cleanliness and Beautification Committee.

10. To ensure the optimum utilization of resources like Electric Power and water, the Principal issues directions from time to time.

File Description	Documents
Paste link for additional information	http://www.sscnagpur.ac.in/uploaded_files/%20This_is_not_Applicable.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The Internal Quality Assurance Cell of the College ensures quality through a persistent focus on imparting quality education, and an innovative, comprehensive, and flexible education policy. IQAC carries out activities that encompass all aspects of the Institute's functioning. The IQAC at our College was constituted on 1st July 2004. Since then, it has been performing the following:

Improvement in quality of teaching by giving regular inputs to all concerned based on feedback from students.

Improvement in quality of research by giving incentives to researchers.

To encourage faculty members, IQAC collects the Annual Self-Appraisal Report of every faculty member and analyses it. Based on the Annual Self-Appraisal Reports submitted by the faculty members the college announces Best Researcher and Best Teacher Awards.

An Academic Audit of all the departments is conducted through the IQAC and suggestions are given for the improvement of departmental performance.

At the beginning of the academic session, the academic audit committee collects the academic plans including extension activity, collaboration, innovative and best practices, student competitions, seminars, and workshops to be organized. The report of the committee is submitted to the IQAC and the same is put before the CDC for discussion, suggestion, and approval. Due to the implementation of such academic audits, it is found that all departments and committees have been constantly improving their curricular, co-curricular, and extra-curricular performances.

File Description	Documents
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/This_is_not_Applicable.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The IQAC ensures strict adherence to the Academic Calendar and Event Calendar to improve the quality of the teaching-learning process. All newly admitted students have to compulsorily attend the STUDENTS INDUCTION PROGRAMME, in which they are made aware of the teaching-learning process, the system of continuous evaluation, compulsory core courses, various co-curricular activities, discipline and culture of the Institute. Students are apprised of the timetable, Programme structure, and syllabi of the courses before the semester commences. The IQAC prepares and uploads on the website, the achievements of staff and students, program outcomes, course outcomes, and program-specific outcomes. Feedback taken from different stakeholders is analysed. SSS were conducted and analysed and Academic Audit was conducted to improve the teaching-learning and evaluation process.

The following initiatives were taken:

Introduction of Daily Home Assignments. Automation of Admission Processes. Green initiatives on Campus – tree plantation, Biodiversity Park, Rooftop solar. Participation in NIRF ranking The College is a mentor college under the PARAMARSH Scheme of UGC New Delhi.

File Description	Documents
Paste link for additional information	http://sscnagpur.ac.in/uploaded_files/This_is_not_Applicable.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://sscnagpur.ac.in/uploaded_files/This _is_not_Applicable.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Maintaining gender equality at every level is always taken as a priority by the college administration It concentrates on the individual development of all students and employees. The college also provides different facilities and special attention to woman employees and female students to minimize the gender gap. Gender sensitization and development programs are organized to promote gender equity. The formation of the Internal Complaint Committee (ICC) and Women's grievance redressal cell (WGRC) is a step towards creating awareness about gender equality in the college. Various committees are formed to conduct programs related to gender equality. In college administrative committees many women faculty members are shouldering responsibilities as conveners, co-conveners, and members. ICC and WGRC are the platforms to promote a healthy working environment for all female staff and students. The committee also works towards building a gender-sensitized environment for women and girls and also to ensure their safety and protection. It also creates awareness about the use of laws provided by the judiciary for their self-respect and existence. WGRC regularly takes care of and promotes women's well-being by organizing programs on general health and hygiene. From time to time the cell conducts Seminars and lectures by specialists and eminent personalities to stop violence against women, and sexual harassment at work.

File Description	Documents
Annual gender sensitization action plan	http://sscnagpur.ac.in/uploaded_files/7.1.1_a._Measures_Initiated_by_the_institution_for_the_promotion_of_gender_equity.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://sscnagpur.ac.in/uploaded_files/7.1.1_b_Specific_facilities_provided_for_women.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**A. 4 or All of the above**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid Waste Management

- **Every day all the academic buildings and other surrounding areas in the campus are cleaned by an outsourcing agency and they separate waste and dispose of it accordingly.**
- **Biodegradable wastes like leaves and twigs falling on the ground and garden are subjected to vermicompost. The activity is conducted by the Zoology dept.**

Liquid Waste management

- **Liquid waste from the points of generation like Departmental laboratories, canteen, toilets, etc. is let out as effluent into a proper drainage facility to avoid stagnation.**

Biomedical waste management

- **Biomedical waste from the Microbiology and Biotechnology department is properly disposed of in 15 days through an external agency.**

E-waste management

- **Old version computers are transferred to the schools run by our education society.**
- **The major e-waste such as written-off instruments/equipment, CRTs, Printers, and Computers. Electronic gadgets, circuits, and kits have been written off regularly then it is sold out to buyers.**
- **All the miscellaneous e-waste such as CDs, batteries, fluorescent bulbs, PCBs, and electronic items are collected from every department and office and delivered to external agencies for safe disposal.**
- **Useful parts of electronic gadgets like resistors, capacitors, inductors, diodes, transistors, thermostats, etc, have been removed from the gadgets for reuse in practical/projects.**

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	[View File](#)
Geo tagged photographs of the facilities	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	**A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:	**A. Any 4 or All of the above**

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment	A. Any 4 or all of the above

5. Provision for enquiry and information :
Human assistance, reader, scribe, soft copies
of reading material, screen   **reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The college provides an inclusive environment for the students. The objective is to inculcate a feeling of equality, peace, and harmony among the students.

A drug awareness camp was held on 14 July 2022 by 3 Girls Bn to spread awareness among youth to not indulge in drug consumption and its selling.

Kargil Vijay Diwas was celebrated in the college premises on 26 July 2022 to celebrate the victory of our soldiers and pay tribute to their sacrifices. Cadets participated in poster presentations and debate competitions.

A run for Har ghar tiranga campaign was organized by 3 MAH girls BN which started from Mankapur Stadium to Kabaia Chowk, Sadar. 6 cadets participated in the run.

The run for unity on the eve of the Birth Anniversary of Sardar Patel was organized on 31 Oct. 2022 by Group headquarters, the run started from group headquarters and terminated at Futala Lake. 9 cadets participated actively in the unity run.

Communal Harmony Week was observed from 19th to 25th Nov. 2022 in the college. Seminars, Essay Writing, and Painting Competition were conducted for college students. 24 cadets participated actively. During the Week, donation of Rs. 4450/- was raised from

students and staff members.

On the birth anniversary of founder president Panjabrao alias Bhausaheb Deshmukh, the College organized a blood donation drive to commemorate him on 27th Dec. 2022. Students and staff voluntarily donated blood to the camp.

Our college students and staff visited Nagarwadi Tribal School on the Occasion of Shiv Jayanti on 19 Feb 2023 and donated Books, Stationaries, and Utensils.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)
Any other relevant information	[View File](#)

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Constitution Day also known as 'Samvidhan Divas', is celebrated in our country on 26 November every year to commemorate the adoption of the constitution of India. On 26 November 1949, the Constituent Assembly of India adopted the Constitution of India, which came into effect on 26 January 1950. Dr Bhimrao Ambedkar is known as the Architect of the Indian constitution. On 29 August 1947, the Constituent Assembly set up a Drafting Committee. This Drafting Committee was headed by Dr. Ambedkar. We feel proud that the founder of our Shri Shivaji Education Society Amravati Dr. Panjabraoalias Bhausaheb Deshmukh was a member of the Constitution drafting committee. As a part of the celebrations, our college planned some activities to highlight and reiterate the values and principles enshrined in the constitution. On the 26th of January National Republic Day and Independence Day on 15th August are celebrated by hoisting the national flag. Principal Prof, M.P.Dhore Hoist the flag and addresses the students and staff of the college about the duties and responsibilities as citizens of India. On this occasion, students presented a skit on the contribution of Shaheed Bhagat Singh, and a Poster competition was organized by the NCC Group.

An important part of the celebration was the reading of the Preamble and reaffirming our commitment to uphold it. On 26 November 2022 Student Ms. SampadaBunde, students, and also faculty

members read the Preamble in the Presence of College Principal.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://www.sscnagpur.ac.in/Department/NSS/ NSS_report_2022-2023.pdf
Any other relevant information	http://sscnagpur.ac.in/uploaded_files/7.1. 9_Constitution_Day-Independance_Day- Republic_Day_Celebration.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Academic Planning Committee of the college has constituted a Value Addition Committee with certain objectives. It plays a crucial role in instilling social, cultural, ethical, and moral values amongst the staff and students which is useful for their character-building and overall development. The Committee has

prepared the Event Calendar for the session 2022-2023 and the action plan for this purpose, which was executed accordingly.

The Kothari Commission emphasized the role of the Teacher in the college in imparting values. According to Gandhiji, real education does not consist of packing the brain with information, facts, and figures or passing examinations by reading a prescribed number of books, but by developing the right character. Value Education has profound positive content based on our heritage, national goals, and universal perception.

Every year our institute organizes the national festivals and birth/death anniversaries of great Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

The principal of the college issues formal notices from time to time for information to the staff and students to achieve the objectives. The events were organized according to the academic calendar. During the program, the teaching and non-teaching staff members assemble in the library to celebrate the events as per the plan of action.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice-I:

- The Department of Botanyhas set up a hydroponics system in the college "C" Block Rooftop. It comprises 1 set of 6 Premium Food-grade PVC planting pipes with 48 Holes, spacing between Holes are 2"; The dimensionsare 37.4 x 13.8 x 16.9 inches, 1 timer, 1 water pump, 1 hose, 1 power plug, 48 planting baskets. Water is circulated bya 10W water pump

froma 20L water tank. Oxygenated water and nutrients are delivered directly to the roots.Green leafy vegetables such as lettuce, tomato, spinach, and coriander celery, are successfully cultivated in our system.

Best Practice-II:

- Faculty members and non-teaching staff of SSESAmravati's Science College, Nagpur, supporting this noble cause 'Annapurna' Yojana in terms of financial assistance of Rs 100 per month by UG Faculty, 75/- by junior college teachers and 50/- by non-teaching staff. Employeesdonate a total amount of Rs. 6,200/- per month to the Dean, Dr. Punjabrao Deshmukh Smruti Medical College & Hospital, Amravati.
- The CSR fund is generated by voluntary donations of teaching and non-teaching staff members from their monthly salary. The collected fund is disbursed to beneficiary students who excel in various activities and also participate in various activities at the university, state, and national levels.

File Description	Documents
Best practices in the Institutional website	http://www.sscnagpur.ac.in/uploaded_files/Best_Practice_-I_and_II_merged_2022-2023.pdf
Any other relevant information	http://www.sscnagpur.ac.in/uploaded_files/Best_Practice_-I_and_II_merged_2022-2023.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The college was founded by Dr. Panjabrao alias Bhausaheb Deshmukh, an erudite scholar, educationalist, agriculturalist, and the first union minister of Agriculture, Govt. of India. The college strives to inculcate discipline, sincerity, and devotion among the students to make them the most responsible and respectable citizens of India. We have both the resources and determination to impart quality education.

Distinctiveness:

- **The college is a single-faculty college with two undergraduatecourses B.Sc., BCA, and six post-graduation courses M.Sc. Computer Science, Mathematics, Chemistry, Physics, Microbiology, and MCA.**
- **It runs a B.Sc. with twelve different combinations of subjects.**
- **Departments of Physics, Math, Computer Science, and Chemistry are recognized as research centers.**
- **It was the first institute in Maharashtra accredited with Five Star grade by NAAC, Bangalore in 2002.**
- **UGC, New Delhi has identified the institute as 'A College with Potential for Excellence' three times (2004, 2009, and 2014).**
- **The institution was re-accredited in 2010 with an 'A' grade with a CGPA of 3.19, in 2016 with an 'A' grade with a CGPA of 3.26, and reassessed in 2017 with an 'A +' grade with a CGPA of 3.51.**
- **The college is a mentor college under the Paramarsh Scheme of UGC, New Delhi.**

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. To prepare an academic calendar of academic activities in the college.

2. To submit institutional data to AISHE.

3. To prepare a plan for effective curriculum delivery and documentation.

4. To organize a Student Induction Programme (SIP).

5. To initiate the process of starting more skill-based certificate courses.

6. To collect and analyze feedback from all stakeholders on quality-related institutional processes.

7. To conduct Workshops/Seminars on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices.

8. To organize inter-institutional workshops, seminars on quality-related themes, and promotion of quality circles.

9. To conduct an Academic and Administrative Audit and its follow-up.

10. To prepare and submit the Annual Quality Assurance Report (AQAR) as per the guidelines and parameters of NAAC.

11. To conduct extension and outreach programs through NSS, and NCC.

12. To conduct a Students Satisfaction Survey for teaching, learning, and evaluation.

13. To promote inclusiveness, tolerance, harmony, and women's empowerment among the students and staff.

14. To counsel about self-defense techniques for women and to promote women's empowerment.

15. To organize a conference by the Department of Computer Science and the Department of Chemistry.

16. To start post-graduation in Botany and Zoology.