



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution		Institute of Science, Nagpur
• Name of the Head of the institution	Dr. Jairam Khobragade	
• Designation	Director	
• Does the institution function from its own campus?	Yes	
• Phone No. of the Principal	07122565581	
• Alternate phone No.	9665054180	
• Mobile No. (Principal)	9422810676	
• Registered e-mail ID (Principal)	ioscnagpur@gmail.com	
• Address	R.T. Road	
• City/Town	Nagpur	
• State/UT	Maharashtra	
• Pin Code	440001	
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)	12/03/2021	
• Type of Institution	Co-education	
• Location	Urban	

• Financial Status	UGC 2f and 12(B)				
• Name of the IQAC Co-ordinator/Director	Dr. Sujata S. Deo				
• Phone No.	07122565581				
• Mobile No:	9665054180				
• IQAC e-mail ID	iqaciosc@gmail.com				
3. Website address (Web link of the AQAR (Previous Academic Year))	https://iscnagpur.ac.in/pdf/AOAR_2022-23.pdf				
4. Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://iscnagpur.ac.in/pdf/Academic_calender_2023-24.pdf				
5. Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 3	A	3.07	2019	12/03/2021	31/12/2026
Cycle 2	B	2.85	2013	05/01/2013	04/01/2018
Cycle 1	B++	81.05	2004	08/01/2004	07/01/2009
6. Date of Establishment of IQAC			01/07/2000		
7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Institute of Science Nagpur	CPE	UGC	21/07/2010	1 Crore	
8. Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI			View File		

9.No. of IQAC meetings held during the year	10
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11.Significant contributions made by IQAC during the current year (maximum five bullets)	
Online data for NIRF ranking in the category of Colleges was submitted and Institute of Science, Nagpur was ranked 64th in College category by the Ministry of Education, Government of India.	
Eighteen MoU's were signed by different departments which helped the students for internship program for PG semester II students.	
Proposal of State Cluster University, Nagpur was submitted to the Principal Secretary and Minister of Higher and Technical Education Maharashtra State.	
Syllabus, Teaching and Evaluation Scheme was prepared and implemented for all the UG and PG courses according to NEP-2020 and different Directions framed by Institute of Science, Nagpur.	
Successful Organization of BoS meeting by each department, Academic Council and BoG meeting.	
12.Plan of action chalked out by IQAC at 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
<p>1.To prepare AQAR for the year 2022-23 and submit to NAAC by due date. 2.To prepare academic calendar 2023-24 and to follow it accordingly. 3.Being an autonomous Institute, organization of sequential meetings of BoS, Academic Council and BoG whenever necessary. 4.To implement NEP-2020 for UG and PG as per the guidelines of Government of Maharashtra for autonomous colleges. 5.To prepare the Syllabus, Teaching and Evaluation Scheme according to NEP-2020 and different Directions framed by Institute of Science, Nagpur. • UG Programme Structure of B.Sc. Semester III to Semester VI and Syllabus of the B.Sc. Semester III to Semester VI as per Direction Number 1 of 2023. • Four Year UG Programme Credit Framework and Structure of B.Sc. Semester I to Semester VIII (Including Honors and Honors with Research) and Syllabus of the B.Sc. Semester I and Semester II as per Direction Number 3 of 2023. • One Year / Two Year PG Credit Framework and Programme Structure of M.Sc. Semester I to Semester IV and the syllabus of the M.Sc. Semester I and Semester II as per Direction Number 2 of 2023. 6.To direct the COE to conduct examinations and its related work on time following the academic calendar and declaration of results on time. Conducting examinations for</p>	<p>1.AQAR for the year 2022-23 was prepared and was submitted online to NAAC Bangalore 2.Academic calendar was prepared for the session 2023-24 and followed accordingly after getting approved by the Academic Council 3.The Institute has successfully organized • One BoS meeting by every department • Two Academic Council meetings and • One BoG meeting Different agendas according to the need were put up before these committees and were unanimously approved and implemented as well. 4.NEP-2020 was implemented for UG and PG as per the guidelines of Government of Maharashtra for autonomous colleges. 5.Syllabus, Teaching and Evaluation Scheme was prepared and implemented for all the UG and PG courses according to NEP-2020 and different Directions framed by Institute of Science, Nagpur. 6.COE of the Institute has very efficiently conducted the regular and backlog examinations. Declaration of results were also done on time following the academic calendar 7.Institute had filled up the proforma for NIRF ranking and stood 64th in all India Ranking from the category of Colleges 8.Various college committees like WDC, ICC, LACF, IIC etc. were formed and numerous programs were organized involving students and teachers. 9.Online workshops were organized. 10.For the newly admitted UG students offline</p>

<p>failure students. 7.To apply for NIRF ranking in the category of Colleges. 8.To form various college committees like WDC, ICC, LACF, IIC etc. involving students in order to enhance the overall development of the students. 9.To organize online/offline Conferences/ Seminars/Workshops on different topics. 10.To organize online/offline Induction meeting for newly inducted semester I Students of UG and PG as per guidelines. 11.To enhance the number of MOU's, Consultancies & Collaboration with different agencies with respect to research, faculty and student exchange. 12.To appoint Faculty members as mentors. 13.Publication of annual magazine "Replica". 14.To collect online feedback and analyze it by Statistics department. 15.Extension of outreach programs through NSS, NCC, Swatch Bharat, AIDS awareness etc. 16.Heads are to be instructed to organize different online / offline programs under departmental societies. 17.Regular updating of Web site of the Institute by the concerned staff. 18.To collect and evaluate the ASA - PBAS from the staff for the session 2023-24. 19.The CCPC will be asked to take steps necessary for campus placements.</p>	<p>Induction program was organized for a week. 11.Eighteen MoU's were signed by different departments taking into consideration how these MoU's will help the students for internship program for PG semester II students. 12.Faculty members were appointed as mentors for mentoring and guiding the students 13.Annual magazine "Replica" was published 14.Online feedback was collected and analyzed by department of Statistics. 15.Nineteen different programs were organized by NSS for enhancing the leadership qualities, social awareness. 16.Every department have their own societies which conducts programs and every department has conducted sufficient programs to motivate the students and enhance subject knowledge. 17.Web site of the Institute is updated by the concerned staff. 18.ASA - PBAS from the staff for the session 2023-24 is submitted by the staff. 19.The CCPC has conducted programs for personality development and more placements</p>
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<p>13.Was the AQAR placed before the statutory body?</p>	<p>Yes</p>
<ul style="list-style-type: none"> Name of the statutory body 	

Name of the statutory body	Date of meeting(s)
Board of Governors	20/02/2024

14. Was the institutional data submitted to AISHE ?	Yes
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- Year

Year	Date of Submission
2023-24	07/02/2024

15. Multidisciplinary / interdisciplinary

Institute of Science, Nagpur, affiliated with RTM Nagpur University, was granted academic autonomy in March 2021. The institution has implemented NEP-2020 for both UG and PG courses in accordance with the regulations and guidelines of the Government of Maharashtra. All research laboratories within the institution are integrated to promote interdisciplinary research and publications. As part of the NEP curriculum, Environmental Studies is a mandatory subject for B.Sc. first-year students. Plans for Interdisciplinary and Multidisciplinary Approaches Proposal for State Cluster University: The institute has submitted a proposal to the Maharashtra Government to establish a State Cluster University, with the Institute of Science, Nagpur, as the lead institute. Partnering colleges include GCOE, College of Fine Arts, I.F.Sc., and VNGIASS, Nagpur. This initiative aims to incorporate interdisciplinary approaches across programs, including humanities, social sciences, technical subjects, and sciences. Science Courses for Students of Other Disciplines: Upon approval of the State Cluster University, the institute will offer credit-based science courses to students from partner institutions. Courses will be specially designed for multidisciplinary learning, with counseling sessions to guide students in selecting and acquiring credits from other disciplines. Design of Multidisciplinary Self-Financed Courses: The institute plans to identify and develop affordable, high-demand multidisciplinary courses. This initiative will involve consultations with industry and alumni to design relevant curricula. Experiential learning, internships, and skill-based training will be integral components of these programs. Sharing Resources and Expertise: Guidelines will be established for sharing human resources and expertise among the cluster colleges. This includes facilitating internships in industries, providing hands-on training,

and offering certifications for skill development to enhance employability. **Teacher-Assisted Courses on Open Platforms (TACOS):** High-demand courses available on open-source virtual platforms will be integrated into the curriculum, with teachers providing guidance and support. Teachers will receive training and incentives for creating digital content, building repositories, and delivering online education effectively. This structured approach aims to foster interdisciplinary learning, enhance skill development, and promote holistic education aligned with contemporary demands.

16.Academic bank of credits (ABC):

In alignment with the National Education Policy (NEP)-2020, the Academic Bank of Credit (ABC) has been operational at the institute since the academic year 2023-24 to promote academic mobility for students. The institute has adopted policy guidelines to ensure the seamless transfer of credits and facilitates students in earning credits through partner institutions within the cluster of colleges. The institute already follows the Choice-Based Credit System (CBCS) pattern adopted by the university, further enhancing the flexibility and accessibility of learning pathways. The Controller of Examination and Evaluation serves as the ex-officio nodal officer for the ABC. The institute's NAD ID is NAD016489, and over 700 students have successfully registered on the ABC platform, benefiting from its provisions to support their academic growth and interdisciplinary learning opportunities.

17.Skill development:

Our Institute is committed to fostering skill development among students, ensuring they are equipped with the competencies needed to excel in their academic, professional, and personal lives. During this session, several steps were taken to enhance skill development: **Industry-Oriented Training and Projects:** All M.Sc. Semester II students completed internships during vacations in nearby industries or organizations relevant to their disciplines. This initiative enhanced their practical skills and problem-solving abilities. Semester IV students developed their projects based on industry requirements, societal needs, environmental concerns, and advancements in technology. **Certificate Courses and Co-Curricular Activities:** Students enrolled in certificate courses like R-Programming through the Department of Statistics to develop domain-specific skills. Various departments and committees organized programs beyond the regular curriculum to achieve skill-based goals, emphasizing the importance of co-curricular activities in improving social and organizational skills. **Social Outreach and Value-Based Education:** The institute strengthens communities by transforming

students into skilled individuals with high moral values through social outreach programs conducted by NSS. Initiatives included: Supporting disadvantaged students through outreach programs. Offering basic social services such as education and vocational training. Collaborating with NGOs and government social initiatives. Future Skill Development Programs: The Institute is keen on developing new skill development programs to address contemporary challenges and opportunities, including: Soft Skill Enhancement: Programs in business communication, IT skills, and soft skills development. Training and Placement: Regular training in communication skills and aptitude to enhance employability. Practical-Based Learning: Integrating real-life, hands-on training within the curriculum to bridge the gap between theoretical knowledge and practical application. Mentorship and Performance Tracking: Assigning class mentors to monitor and guide students, with performance reports provided at the end of the session or course completion. These initiatives ensure holistic development, preparing students to thrive in their future endeavours while contributing positively to society.

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

Institute of Science adheres to the curriculum designed by its affiliating university. While the introduction of science courses in Indian languages depends on the university, the institute actively integrates Indian languages and culture into its academic and extracurricular framework through the following initiatives: Multilingual Medium of Instruction: UG and PG programs are conducted using Hindi (national language), Marathi (regional language), and English (international language), offering students linguistic flexibility. Publication in Indian Languages: The institute publishes its annual magazine, Replica, featuring contributions from staff and students in English, Hindi, and Marathi, celebrating linguistic diversity. Cultural and Literary Activities: The Literary and Cultural Forum (LACF) committee encourages students to conduct and participate in literary and cultural programs in Hindi and Marathi, promoting Indian culture and values at institutional and university levels. Cultural events, such as skits during annual gatherings, emphasize the use of regional languages. Library Resources: The library houses a vast collection of books and newspapers in Indian languages, preserving India's rich knowledge and cultural heritage. Competitions and Celebrations: Competitions like Rangoli, Dance, Mehendi, Singing, Quiz, Elocution, and Essay Writing are organized in Marathi and Hindi. The institute celebrates traditional days, festivals, and anniversaries of freedom fighters

and Indian leaders, along with events like Marathi Bhasha Diwas. Internal Communication: Notices, circulars, and academic displays are disseminated in Marathi and English to ensure clarity and inclusivity among students. Field Trips and Workshops: Departments organize field trips to provide students with experiential learning about India's cultural, historical, and ecological heritage. The Physical Education Department conducts yoga workshops and seminars, promoting the traditional Indian practice of holistic well-being. Through these efforts, the institute ensures that students are not only exposed to modern education but also deeply connected to India's linguistic and cultural traditions.

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

Institute of Science has adopted a learning outcomes-based curriculum aligned with the National Education Policy (NEP) 2020 to enhance teaching and learning practices. This approach aims to raise academic standards, close achievement gaps, and prepare students for future challenges. The UG and PG syllabi have been redesigned to incorporate outcome-based education principles, clearly defining Program Outcomes (POs) and Course Outcomes (COs). Course outcomes are meticulously mapped to program outcomes, ensuring a seamless alignment between teaching objectives and learning achievements. These outcomes are uploaded on the institutional website and communicated to students during the induction program. Student learning outcomes are continuously evaluated through internal and external assessments, including assignments, seminars, projects, and examinations. An interactive and outcome-focused teaching-learning approach ensures active engagement, enabling students to meet these learning goals effectively. To complement academic development, the institute organizes and encourages student participation in co-curricular and extracurricular activities. Results from these activities contribute to the evaluation of indirect attainment of learning outcomes. The success of this outcome-based framework is reflected in students' progression toward higher education and successful placements, aligning with the institute's vision and mission to achieve excellence in education.

20.Distance education/online education:

Distance education offers a flexible approach to learning, leveraging pedagogy, technology, and systems to provide education to those unable to attend traditional, in-person classes. This model is particularly beneficial for individuals who are geographically distant, employed, homemakers, or serving in defence services, enabling them to study at their convenience without disrupting their existing commitments. Learning materials and instructions are

readily accessible online, ensuring anytime, anywhere learning. Recognizing the importance of distance education, the Institute of Science, Nagpur, has been a study centre for the Indira Gandhi National Open University (IGNOU) since 2010-11. The centre specializes in graduate, postgraduate, postgraduate diploma, and certificate courses in the science stream. Located in the heart of Nagpur, the study centre is easily accessible and has consistently delivered commendable performance. It enrolls over 500 students annually from Nagpur and beyond. Programs offered include:

Undergraduate Programs: BSCG (PCM, CBZ, Geography, Geology), BSCM (Major), and BSCBCH (Biochemistry Hon.). Postgraduate Programs: M.Sc. in Environmental Science, Analytical Chemistry, Chemistry, and Physics. Postgraduate Diploma Courses: PGDAC (Analytical Chemistry) and PGDAST (Applied Statistics). Certificate Course: CPLT (Certificate Program in Laboratory Techniques). Faculty members support students by providing e-resources such as recorded lectures, PowerPoint presentations, e-books, e-journals, and online notes. Additionally, library resources are accessible through the institute's website, ensuring comprehensive learning support. This initiative underscores the institute's commitment to addressing societal educational needs through accessible and flexible learning opportunities.

Extended Profile

1.Programme

1.1 3

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 897

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 317

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

900

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

20

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

45

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1	3
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1	897
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	317
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	900
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1	20
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	45
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	84
Number of sanctioned posts for the year:	
4.Institution	
4.1	816
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	55
Total number of Classrooms and Seminar halls	
4.3	537
Total number of computers on campus for academic purposes	
4.4	233.35401
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Institute of Science, affiliated with RTM Nagpur University, was granted autonomy by the University Grants Commission (UGC), in March 2021. This autonomy being an Academic autonomy, effective from the academic year 2020-21, is valid for a period of 10 years. Academic autonomy allows the Institute to take greater responsibility for various academic aspects, such as creating its own courses, designing syllabi, and conducting evaluations through

Annual Quality Assurance Reports (AQAR).

The Institute is committed to achieving academic excellence and fostering holistic development among its students. With the newfound autonomy, it can inject dynamism into its curriculum, teaching methods, and research activities. This empowerment and flexibility enables the Institute to update and adapt its programs in response to evolving national and global needs.

To further enhance learning opportunities and address the demands of both the national and international job markets, the Institute has introduced specialized certificate courses, for example, the Statistics Department offers a course in the Statistical Package R.

Additionally, the Institute has clearly outlined the program outcomes, program-specific outcomes, and course outcomes for all its programs and courses. This information is made readily available on the Institute's website, ensuring transparency and accessibility for students and stakeholders.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.iscnagpur.ac.in/pages/courses_outcome.php

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

02

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

01

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

19

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

08

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Institute of Science strives to deliver a relevant curriculum that

includes cross-cutting themes primarily important to Environment and Sustainability. We provide a course that enables students to experience integration in their personal and professional lives as well as inclusion in their social contributions. It is mandatory for all undergraduate students at B.Sc. II year level to complete the Environmental Studies special course, which focuses on awareness and sustainability. The curriculum includes key issues like the scope and importance of natural resources, ecosystems, biodiversity, pollution, prime social issues and the environment, sustainable development, wasteland reclamation, climate change, environmental legislation, etc. One complete unit concentrates on critical issues like the environment and human health, human rights, intellectual property rights (IPR), community biodiversity registers (CBRs), value education which includes environment values, valuing nature, culture, social justice, human heritage, equitable use of resources, common property resources, ecological degradation, etc. The institute also runs a course on research methodology for PG students to enhance their knowledge, skills, and understanding of the research process. The course aims to foster critical thinking, scientific reasoning, and ethical conduct in research. Institute of Science has designed the curriculum to create a community of people who are competent, ethical, compassionate for everyone, committed to striving for social justice, harmony, environmental sustainability, and caring for the underprivileged. The Institute also has a separate EVS department, NSS unit, and Women Development Cell which addresses environment-related and Gender issues.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

10

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

643

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

264

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.iscnagpur.ac.in/igacupload/Feedback%20report%20of%20Stakeholders%20and%20ATR_IOSC,%202023-24.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.iscnagpur.ac.in/pdf/NAAC_SSS_2023-24.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

898

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

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

594

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 students' learning levels and organises special programmes for both slow and advanced learners.

There are several mechanisms and policies that can be used to identify fast and slow learners as mentioned below

Pre-assessments: Conducting pre-assessments before starting a course or unit can help identify students who already have a good understanding of the material (fast learners) and those who may struggle with the content (slow learners). This can help teachers tailor their instruction to meet the needs of each group.

Formative assessments: Regular formative assessments throughout a course can help identify which students are progressing quickly and which ones may need additional support.

Data analysis: Analyzing student data, such as grades and test scores, can provide insights into which students are performing well and which ones may need extra help.

Observation: Teachers can observe students during class to identify those who are actively engaged and making progress and those who may be struggling to keep up.

Self-assessment: Encouraging students to reflect on their own learning can help identify which ones are progressing quickly and which ones may need additional support.

Remedial programs offered additional support and resources to help slow learners catch up with their peers. They may include small group instruction, tutoring, or additional practice exercises to help students master the content.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/03/2024	897	45

File Description	Documents
Upload 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:

Below is the methodology for executing student-centric activities for each method.

Experiential Learning:

- Begin by introducing the topic and its relevance to real world situations.
- Plan and execute hands-on activities, such as experiments, simulations, or field trips, that allow students to apply their knowledge and skills in a real-world context.
- Encourage students to reflect on what they have learned from the activity and how it relates to the topic at hand.

Participative Learning:

- Start by introducing the topic and its relevance to the student's lives.
- Plan and execute group activities, such as brainstorming sessions, group discussions, or peer-to-peer teaching, that allow students to take an active role in their own learning.
- Provide opportunities for students to collaborate with their peers and share their knowledge and ideas.

Problem-Solving Methodologies:

- Introduce the problem and its relevance to real-world situations.
- Guide students through the process of identifying the problem, analyzing the data, and developing solutions using critical thinking and problem-solving skills.
- Encourage students to collaborate with their peers to develop creative and effective solutions.

Overall, the key to executing student-centric activities is to create a learning environment that is engaging, interactive, and relevant to the student's lives.

File Description	Documents
Upload any additional information	View File
Link for additional Information	NIL

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Teachers often use ICT-enabled tools and online resources to enhance the teaching and learning experience. The use of technology in education has become increasingly important in recent years, as it offers a range of benefits for both teachers and students.

ICT-enabled tools such as interactive whiteboards, tablets, and computers allow teachers to present information in engaging and interactive ways, making learning more interesting and enjoyable for students. Online resources such as educational websites, videos, and e-books provide students with access to a vast array of information, allowing them to learn at their own pace and in their own time.

Furthermore, ICT-enabled tools and online resources can help teachers personalize learning for their students, as they can tailor their teaching to meet the individual needs and learning styles of each student. This can lead to improved academic outcomes, as students are more likely to engage with and retain information that is presented in a way that is relevant and meaningful to them.

Overall, the use of ICT-enabled tools and online resources is a valuable tool for teachers to enhance their teaching practice and

improve the learning experience for their students.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.iscnagpur.ac.in/pages/IT_facility.php
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

45

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Preparation and Adherence of Academic Calendar:

- The institution prepares the academic calendar every year in advance.
- The academic calendar covers the list of examination dates, seminars, conferences, guest lectures, workshops and industrial visits holidays, vacation dates, festivals, etc.
- Academic calendar provides the total effective working days available in each semester.
- Then the director and senior colleagues of Institute prepare the time table by correlating the working days available in academic calendar.
- Thus, the academic calendar monitors the effective delivery of the program in each semester.

Preparation and Adherence of Teaching Plan:

- The concern faculties prepare teaching plan for their respective subjects.
- Teaching plan hours of every faculty are distributed among

class room teaching, case studies, role play, workshops and lab session as per the subject requirements.

- These plans are made in advance and serves as guide for conducting sessions.
- The director and HODs check the progress of each course and ensures timely and effective completion of course in the specified time frame with perfect blend of practical and theoretical inputs.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

45

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

39

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

575

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

38

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

509

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

IT integration and reforms in examination procedures and processes, including Continuous Internal Assessment (CIA), have been instrumental in bringing about significant improvements in the Examination Management System (EMS) of the institute. By leveraging technology and automating various aspects of the examination process, institutions can streamline workflows, reduce errors, improve accuracy, and increase transparency. The institute's examination cell has been doing most of the work in

online/electronic mode starting with contacting the setters, setting the papers, moderation (online/offline mode), student registration, roll number generation, internal mark uploading, and result publication and analysis. Continuous Internal Assessment (CIA) is a critical component of modern assessment processes and provides a more holistic picture of a student's progress. By using IT tools such as Google Classroom, and online quizzes to facilitate CIA, institutions can generate automated reports, track student performance over time, and identify areas where students may need additional support. This information can be used to provide personalized learning experiences that help students achieve better academic outcomes. By leveraging technology, the institute has transformed its examination systems and provided students with a better learning experience, while also improving the efficiency and accuracy of the examination process.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://cims.mastersofterp.in/

2.6 - Student Performance and Learning Outcomes

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

Course outcome and policy of attainment & Dissemination Policy of Attainment:

The policy of attainment refers to the guidelines and procedures that are used to ensure that students have achieved the intended course outcomes.

The following are some of the key elements of the policy of attainment as implemented in the Institute.

They are 1) Assessment criteria 2) Assessment methods 3) Feedback 4) Appeals 5) Policy of Dissemination The policy of dissemination refers to the guidelines and procedures for sharing the course outcomes and the students' achievement of these outcomes with relevant stakeholders.

The following are some of the key elements of the policy of dissemination: Channels of dissemination, Privacy and confidentiality, Reporting, Stakeholder engagement, Relevant

stakeholders. The policies of attainment and dissemination are critical in ensuring that students achieve the intended course outcomes and that the outcomes are shared appropriately with relevant stakeholders. These policies we deploy in our institute are transparent, consistent, and communicated to the students at the beginning of the course. Effective policies of attainment and dissemination help us to improve the quality of teaching and learning, and enhance the relevance and impact of the course outcomes.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	NIL

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Course outcome and policy of attainment & Dissemination Policy of Attainment: The policy of attainment refers to the guidelines and procedures that are used to ensure that students have achieved the intended course outcomes. The following are some of the key elements of the policy of attainment as implemented in the Institute. They are 1) Assessment criteria 2) Assessment methods 3) Feedback 4) Appeals 5) Policy of Dissemination The policy of dissemination refers to the guidelines and procedures for sharing the course outcomes and the students' achievement of these outcomes with relevant stakeholders. The following are some of the key elements of the policy of dissemination: Channels of dissemination, Privacy and confidentiality, Reporting, Stakeholder engagement, Relevant stakeholders. The policies of attainment and dissemination are critical in ensuring that students achieve the intended course outcomes and that the outcomes are shared appropriately with relevant stakeholders. These policies we deploy in our institute are transparent, consistent, and communicated to the students at the beginning of the course. Effective policies of attainment and dissemination help us to improve the quality of teaching and learning, and enhance the relevance and impact of the course outcomes.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NIL

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

257

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	NIL

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

https://www.iscnagpur.ac.in/pdf/NAAC_SSS_2023-24.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Institute of Science, Nagpur, is dedicated to advancing research and innovation by maintaining state-of-the-art facilities and implementing a structured research promotion policy. The institution ensures that its laboratories, equipment, and academic resources are regularly upgraded to meet the latest technological and scientific standards. This commitment provides students and faculty with access to modern tools and facilities essential for high-quality research.

A comprehensive research promotion policy has been formulated to foster a culture of inquiry and creativity. This policy is prominently displayed on the institution's official website for transparency and accessibility, outlines the framework for supporting research activities. It includes provisions for funding research projects, facilitating interdisciplinary collaborations, offering incentives for publishing in prestigious journals, and organizing workshops, seminars, and conferences to enhance research skills. Currently, the institute receives funding from the affiliated University, State Government, UGC, RUSA, student fees, and sponsored research projects.

The policy is implemented through a systematic and well-monitored approach, overseen by a dedicated research committee. This ensures that the objectives of the policy are effectively translated into actionable outcomes. Efforts are underway to establish collaborations with National and International Universities and institutions to enable faculty and student exchange programs, thereby enriching research and development.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.iscnagpur.ac.in/pdf/IOSc_Nagpur_RDC_Rules_Feb_2024.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

0

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

1

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iscnagpur.ac.in/pdf/IOSc_Nagpur_RDC_Rules_Feb_2024.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

31

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.serb.gov.in/index.php/home.php
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Our institution has cultivated a robust academic ecosystem that promotes innovation and facilitates the exchange of knowledge in research and education. As part of this initiative, we have established the Institution's Innovation Council (IC202218420) in

alignment with the Ministry of Education's Innovation Cell guidelines, earning a one-star rating in 2021-22. During 2023-24, the IIC organized nine IIC activities, six MIC events, six self-driven initiatives, and two celebration events. It also received the Impact Lecture Series Phase I Grant and hosted two impactful lectures featuring distinguished industry speakers. Additionally, our institution actively participates in MSInS initiatives and has launched a dynamic science club, ISSAC, accessible at <https://sites.google.com/iscnagpur.ac.in/science-club>. A Major Research Project, funded by SERB with ₹18.3 lakhs, is currently in progress. Through 19 active MoUs, students gain access to research internships, with all postgraduate Semester II students completing their 4-credit internships and second-year PG students engaged in dissertation projects. A centralized library with INFLIBNET resources supports academic endeavors, while smart classrooms enhance learning. Advanced departmental technology, NSS community activities, and our role as a recognized IGNOU center offering 11 programs further bolster educational opportunities. Details of our R&D and Start-up policy are available on the website.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/pdf/IOSc_Nagpur_RDC_Rules_Feb_2024.pdf

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

1

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee

D. Any 1 of the above

Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

15

File Description	Documents
URL to the research page on HEI website	https://iscnagpur.ac.in/pdf/IOSc_Nagpur_RD_C_Rules_Feb_2024.pdf
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

47

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

8

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/3.4.4_Books_Chapters%20Published%20by%20the%20Faculty%202023-24.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

51

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

4

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

0

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The institute proudly operates two active NSS units, each comprising 100 students, with a mission to nurture compassionate and responsible citizens committed to nation-building. Through the NSS, the institute bridges the gap between academic learning and practical community service, enabling students to understand societal challenges and inspiring them to actively contribute to their resolution, guided by the motto "Not Me, But You."

NSS activities are thoughtfully planned each academic year and include rallies, campaigns, tree plantations, cleanliness drives, expert lectures, health and blood donation camps, and training

programs focused on literacy, employability skills, yoga, and shramdaan. These initiatives address significant national and social issues such as national integration, nature conservation, disaster management, gender sensitization, the Save Girl Child campaign, health and hygiene, the Swachh Bharat Mission, self-employment, women's empowerment, and the preservation of natural, historical, cultural, and environmental heritage.

These activities foster a sense of civic duty, enhance problem-solving skills, and nurture critical thinking, communication, and decision-making abilities, shaping students into well-rounded individuals prepared for life's challenges. By engaging both faculty and students in community work, the institute instills ethical values and raises awareness of social responsibilities, contributing to the holistic development of socially conscious and impactful citizens.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/NSS%20Reoprt.pdf

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

2

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

14

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

150

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

19

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

- **Campus Infrastructure:**
 - Main building
 - Annex building
 - Boy's hostel
 - Girl's hostel
 - New library building
 - Canteen
 - Sports complex (including ground and gymkhana)
 - Parking area
 - Garden
 - Botanical Gardern and nersary

- **Main Building:**
 - 55 classrooms (including Departmental Classroom)
 - UG, PG and Research Laboratories in each department
 - Offices
 - Seperate Library Building
 - Equipped with Wi-Fi, LAN, and LCD facilities

- **Additional Facilities:**
 - Reading room
 - Girl's common room
 - Closed auditorium
 - Open auditorium
 - Conference room

- **Departmental Resources:**
 - Each department has its own computing resources
 - Small departmental libraries available
 - Laboratories equipped with necessary facilities
 - Separate laboratories for undergraduate and postgraduate classes
 - Research laboratories in each department

- **Central Library:**
 - Well-equipped with journals and Open Resources.
 - Reference books of each subject taught in institute.
 - 40 computers for student with wifi/ internet connectivity.
 - Computer Lab of 200 computer for online examination.
 - Seperate Program/ Seminar hall with all LCD Facilities.

- **Seminar Hall:**
 - "Sabhagruha" (Hall no-45)for seminars and events

- **Open-Air Auditorium:**
 - Located at the center of the main building

- **ICT Facilities:**
 - Over 300 computers available across departments
 - LCD projectors, laptops, desktops, overhead projectors, electronic whiteboards, digital podiums, printers, and scanners provided to all departments for computer-aided teaching

- **Internet Connectivity:**
 - Internet access available in all departments, the library, and the computer center
 - 100 Mbps bandwidth for the library and computer center
 - 10 Mbps bandwidth for all other departments

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/iqacupload/4.1.1.classrooms,%20laboratories,%20computing%20equipment%20etc.%20..pdf

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

The institute of Science, Nagpur boasts a dedicated 9,900 square feet building for its Physical Education Department, complemented by a spacious 3-acre ground area for outdoor sports. This includes facilities for cricket, football, hockey, and various other games. The department also features a gymnasium, a yoga center, a table tennis court, and rooms for indoor activities, catering to diverse sports and wellness needs.

The department organizes coaching and training programs for both boys and girls in activities such as yoga, cricket, volleyball, football, badminton, chess, tug-of-war, kabaddi, kho-kho, sepak takraw, basketball, table tennis, archery, softball, baseball, and fencing. Students actively participate in competitions at the national, state, district, inter-university, and intercollegiate levels.

Indoor Sports Facilities:

- A state-of-the-art gymnasium for boys and girls
- Badminton court
- Two table tennis setups
- Fencing area
- Carrom and chess rooms
- Yoga and meditation room
- Separate changing rooms for boys and girls
- Floorball setup

Outdoor Sports Facilities:

- Cricket ground
- Softball and baseball fields
- Football field
- Volleyball and basketball courts
- Dedicated kho-kho and kabaddi grounds
- Ball-badminton and korfball areas

Additionally, the institute has a closed auditorium and an open-air auditorium, regularly hosting a variety of cultural activities to enrich the student experience.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/4.1.2%20%20Institution%20Adequate%20Facilitie s.pdf

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

55

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

9.50738

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

The SOUL (Software of University Library) software is a robust tool for library automation, designed as multi-user, multitasking integrated library management software. It can operate seamlessly on a single machine or in a client-server multi-platform environment.

Key Features:

- **Cataloguing:** SOUL simplifies the preparation of catalogues for books, e-books, films, sound recordings, drawings, clippings, articles, reports, letters, pamphlets, serials, and more. It adheres to popular international standards and is based on AACR2, allowing for the cataloguing of any type of material.
- **Acquisition:** The software supports the complete acquisition process, from proposing an item for purchase to final payment and accessioning.
- **Circulation:** Circulation is managed based on user-defined lending rules, which can be modified as needed.
- **Serials Control:** Users can track issue receipts, file claims for missing issues, and prepare binding orders for serials.
- **OPAC (Online Public Access Catalogue):** SOUL offers advanced online search functionalities, enabling quick and efficient access to library catalogues, saving valuable time, labor, and resources.
- **Reports:** It generates various reports required for submission to government agencies or other purposes.

SOUL ensures efficient information retrieval and supports flexible workflows, including acquisition, serials control, and fund monitoring. Its user-friendly interface enhances the library's operational efficiency while saving time and resources.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/4.2.2%20-%20(Additional)%20Institution%20has%20access%20to%20the%20following.pdf

**4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

0.25370

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

6.380

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

- The institute features a modern server room equipped with Windows servers.
- A LAN network is distributed across the institute, covering departments, offices, laboratories, the library, and other working areas.
- The computing facilities are equipped with high-performance and latest-edition computers.
- The LAN network operates on a configuration of core switch

to edge switch.

- Two leased lines from BSNL, one with 10 Mbps (192.168.0.6) and the other with 100 Mbps (192.168.0.2), are used in the network.
- These leased lines provide restricted internet and Wi-Fi access to students and faculty across the campus.
- Faculty members use platforms such as Moodle, Google Classroom, and G Suite for teaching and learning.
- Computer labs are available in various departments for UG, PG, and research students.
- Modern workstations have been installed for these labs.
- All classrooms are Wi-Fi enabled with dedicated access points.
- Eight classrooms have been upgraded to smart classrooms, featuring digital podiums, interactive boards, and other essential peripherals.
- Faculty members utilize these smart classrooms to enhance the learning process.
- Four digital notice boards, procured under the RUSA grant (2019-20), are used for quick dissemination of information and notices.
- Seperate computer lab of 200 pc in new library building funded by CET cell of Maharashtra Government for examination purpose.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/4.3.1%20-%20Institution%20has%20an%20IT%20policy%20covering%20Wi-Fi,%20cyber%20security,%20etc.%20and%20has%20allocated%20budget%20for%20updating%20its%20IT%20facilities.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
897	537

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 750 Mbps
---------------------------------------------------------------------------------------------------------	--------------------

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	B. Any three of the above
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iscnagpur.ac.in/igacupload/4.3.4%20-%20Institution%20has%20facilities%20for%20e-content%20development%20Facilities%20available%20for%20e-content%20development.pdf
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

223.84663

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The Institute has a Local Advisory Committee that meets annually to deliberate on infrastructural and academic requirements. Various monitoring committees ensure the efficient maintenance of facilities, including:

- Purchase Committee, Building Committee, and UGC Planning Board Committee: Oversee infrastructural needs and purchases.
- Hostel Monitoring and Library Committees: Ensure proper upkeep of hostel facilities and library maintenance.
- Cleanliness Committee: Responsible for overall campus cleanliness, including regular cleaning of water tanks, proper garbage disposal, pest control, and landscaping of lawns.
- Outsourcing for Specialized Maintenance: Maintenance and repair of CCTV, computers, internet facilities (leased lines, Wi-Fi, broadband), and software updates are managed through outsourcing.
- Electrification, Plumbing, and Wooden Furniture Maintenance: Managed with the support of the Public Works Department (PWD).
- Library Maintenance: Regular cleaning, stock verification, and maintenance of the reading room by library staff.
- Sports and Gymnasium: The Sports Committee works with the Physical Education Director to ensure the optimal use and maintenance of sports facilities. Gymnasium maintenance is outsourced, and sports grounds are regularly maintained.

This systematic approach ensures the proper utilization and upkeep of all physical, academic, and support facilities, contributing to a conducive learning and living environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/4.4.2-%20-%20There%20are%20established%20systems%20and%20procedures%20for%20maintaining%20and%20utilizing%20physical,%20academic%20and%20support%20facilities%20.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year**385**

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year**30**

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

B. Any 3 of the above

File Description	Documents
Link to Institutional website	https://www.iscnagpur.ac.in/pages/library_arts_cultural_forum.php#
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**300**

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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	A. All of the above
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

73

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

53

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

12

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

7

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Students of the institute had a place in the institute's functioning through the Students Representative Council (SRC) and Academic Forums through which the students play a key role in the inception, planning and implementation of different co curricular,

extra-curricular and sports activities. Institute provides full support to the students representation in various academic, sports and administrative bodies. Student task force (previously called as Students council) is enacted each year as per the Maharashtra Universities Act 1994 40(2) (b) (vii) up to 2014-15. The representatives are selected on the merit basis and a few are nominated by the director. After declaration of the members of the council, the students were allotted the academic and administrative committees. This council meets at least two times in a year to discuss on various issues and provide valuable suggestions to the administrator. Each year annual social gathering is organized. This mega event is totally controlled and administered by students with the support and guidance by staff members. The major activities are intra-collegiate sports, cultural and academic competitions. The student committee for each event takes a lead in making this event successful. LACF, Literary Art and Cultural Forum which gives message of brotherhood is a prime and unique feature of Institute. Under LACF the students participates in various cultural, cocurricular activities and extracurricular events as well.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/pdf/SRC_REPORT-2023-24.pdf

5.3.3 - Number of sports and cultural events / competitions organised by the institution

9

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

"AASCON" i.e. The Alumni Association of the Science College of Nagpur, now Institute of Science, Nagpur Central Office The Central Office of the Association shall be situated at the Department of Physics. Indian Institute of Technology, Powai, Bombay-400 076. Objectives •To encourage, foster and promote close relation between Institute of Science and its Alumni and among the Alumni themselves. • To provide and disseminate information regarding the institutions, its graduates, facilities and students to Alumni. • To ensure that programs are initiated and developed for the benefit of the Alumni. • To guide and assist Alumni who have recently completed the courses of study to obtain employment to engage in productive pursuits useful to the society. • To establish and maintain a link with all the students and with the community at large. • To preserve and promote the interest of the Alma Mater through Alumni involvement in its future and governance. • To participate and assist in the promotion of Institutions as a major destination for higher education.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://aascon.org/

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

The Institute's mission is beautifully encapsulated in its logo, which features the Latin phrase "PER ARDUA AD ASTRA", meaning "BY TOILSOME WAY TOWARDS THE STARS". This slogan signifies the Institute's unwavering commitment to achieving its lofty goals. The vision of the Institute is to be a leading academic Institution by facilitating the stakeholdersto tackle global challenges by advancing the frontiers of science, producing scientifically-

trained leaders and innovators, and enhancing public understanding of science.

The mission is to bring the benefits of science to society by providing a rich educational experience that motivates and enables students to strive for the highest intellectual achievements in Physical, Chemical, Mathematical, and Biological sciences, while also fostering personal growth with high moral values. The Institute offers undergraduate and postgraduate programs in science, all managed by the State government and adhering to the policies of the State Ministry of Higher and Technical Education, the affiliating University, and the UGC.

The success of these governance efforts is evident in the Institute's autonomy and its recognition by the Ministry of Education, India, with impressive NIRF rankings of 61,82 and 64 respectively in last three years. Institute also got one star rating from MoE's Innovation cell.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iscnagpur.ac.in/igacupload/6.1.1%20Vision%20Mission%20NIRF%20IIC%20certificate%2023-24.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Academic matters, infrastructure maintenance, utilization, and campus development are overseen by various committees in close consultation with the Director of the Institute. The institution thrives under a decentralized and participatory management system, with administrative and academic heads ensuring effective committee functioning. As a state government-owned institute, it aims to impart quality scientific education to all segments of society.

The Director holds primary responsibility for administration, while various departments work collaboratively to achieve the Institute's goals. The registrar, office superintendent, and other staff support the Director in their roles, and the financial resources are managed by the Director and the finance committee. This inclusive approach ensures representation of teaching and non-

teaching staff, students, and alumni, promoting decentralization.

The Institute categorizes activities into departmental, academic, administrative, and finance-related sectors, supervised by heads and supported by stakeholders, fostering collective responsibility. For academic excellence, the autonomous Institute relies on the Board of Governance, followed by the Academic Council and the Board of Studies, to make decisions about the syllabus and academic matters.

This collaborative approach ensures the Institute excels in providing scientific education and contributes to the holistic development of its students.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.iscnagpur.ac.in/igacupload/IOAC%20Heads%20meeting%20July-1,23%20to%20June-30,24_compressed%20(1).pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Institute strategically plans and executes its activities in a meticulously organized manner, decentralizing efforts into four key areas: departmental, administrative, academic, and financial. Before each academic session begins, academic strategic plans are established by preparing an annual academic calendar. Administrative committees, formed at the start of each session, handle all student and staff-related activities. The finance committee undertakes strategic planning for procuring goods and materials.

In the 2023-2024 academic year, our Institute received funding from Govt. of Maharashtra for Office Expenses and Material and Supply. Following government guidelines, a strategic plan was developed with a student-centric approach, and a Detailed Project Report (DPR) was created focusing on the overall development of students. This proposal was submitted to Govt. of Maharashtra and subsequently

approved.

Implementation:

1. The Govt. of Maharashtra accepted the proposal and sanctioned ₹13.16265 lakhs for:

- Office Expenses Plan
- Office Expenses Non Plan
- Material and Supply Plan

These initiatives underscore the Institute's commitment to enhancing educational facilities and supporting the academic growth of its students.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/6.2.1%20OE%20AND%20ME%20PLAN.pdf
Upload any additional information	View File

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

Our Institute, a state government-owned body, operates under the ambit of the state Ministry of Technical and Higher Education, adhering to established policies, rules, and regulations. Here's a look at our structured and collaborative setup:

Main Governing Body

- Minister of Higher and Technical Education, State Minister, and Secretary: Responsible for policy framing, academic and financial management, and overall control.

Director of Higher Education (DHE) at State Level

- Overseeing overall supervision, execution of policies, and

administrative and financial control.

Board of Governance

- Plays a crucial role in shaping the strategic direction of the Institute, focusing on elevating the institution's standards of excellence.

Director of the Institute

- In charge of the institution, executing policies at the ground level, overseeing administration and finance, and responsible for the overall academic progress and development of the Institute.

Joint Director (Regional) Head of Departments, and Various Committees

- Heads of Departments: Ensure the smooth functioning of their respective departments.
- Teaching and Non-Teaching Staff: Perform their designated roles.
- All staff members are appointed by the Maharashtra government, adhering to the service rules of MCSR.

This structured approach ensures that the Institute runs efficiently and effectively, fostering a conducive environment for academic excellence and overall development.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.iscnagpur.ac.in/igacupload/6.2.2%20Organogram.pdf
Upload any additional information	View File
Paste link for additional Information	https://www.iscnagpur.ac.in/igacupload/6.2.2%20Organogram.pdf

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File
6.3 - Faculty Empowerment Strategies	
6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression	
<p>The welfare measures provided by the State Government to the employees of our Institute are quite comprehensive and supportive. Here's an overview:</p> <ol style="list-style-type: none"> 1. Provident Fund Facility 2. Medical Expenses Reimbursement Facility 3. Group Insurance Facility 4. Leave Travel Concession within Maharashtra 5. Various Leave Facilities: Includes medical leave, casual leave, and earned leave. 6. Duty Leave for Faculty Members: For attending national and international conferences, seminars, workshops, guest lectures, and referee duties. 7. Recreation and Sports Facilities: Free access to these facilities on campus for staff and faculty. 8. Special Duty Leave: For participation in sports events. 9. Pension Scheme: Available after retirement as per state government norms. 	

10. **Employment on Compassionate Grounds:** For the dependent successor of a deceased employee.
11. **Various Loan Facilities:** Includes housing loans, computer loans, vehicle loans, etc.
12. **Medical Reimbursement for Family:** Extends to employees' families.

Additionally, there are self-generated welfare facilities created on a collective, cooperative basis:

1. **Registered Employees' Credit Cooperative Society:**
 - Offers short-term and long-term loans/deposits, education loans.
2. **Emergency Loan Provision:** to society members or their families.
3. **Annual Dividend on Shares:** Distributed to employees.
4. **Health Checkup Camps:** Organized annually for all members and their families.

These initiatives ensure that employees are well-supported and can access various benefits, fostering a positive and productive work environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/6.3.1%20ECCOPS%202023-24.pdf

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

0

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

00

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

9

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The audit process at our Institute is thorough and well-structured:

1. Audit Conducted by Accountant General (A.G.): The utilization of the current year's approved budget, along with the budget projected for the forthcoming year, is

submitted to the Director of Higher Education, Pune, every four months, functioning like an internal audit. An A.G. audit occurs once every five years.

2. Audit of Funds:

- Funds from various agencies like DPC & RUSA are audited by the A.G.
- Funds from UGC are audited by a Chartered Accountant (C.A.).
- Utilization certificates for all grants are submitted to their respective agencies.

3. Audit Objection Settlement Mechanism:

- Personnel from the External Audit Party (EAP) of the A.G. Office, Nagpur, carry out audit work.
- EAP communicates their final objections/queries (if any) to the Director of the Institute through an Audit Report.
- EAP specifies control issues, commenting on where controls need to be established or tightened to avoid future mistakes.
- Responses to audit objections are initiated immediately by monitoring internal controls to prevent the repetition of objections.

This systematic approach ensures transparency, accountability, and continuous improvement in the financial management of the Institute.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/iqacupload/6.4.1%20Audit%20objections%202023-24.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists

during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Our Institute strategically plans activities focused on the overall development, including infrastructure, modernization of laboratories, classroom upgrades, and augmentation. These plans are submitted to various agencies such as the State Government, RUSA, DPC, DST, and UGC.

Research Proposals:

- Faculty members submit research proposals to UGC, DST, and other agencies including RUSA.

Strategic Budget Plan:

- At the beginning of every academic session, a strategic budget plan is prepared to ensure optimal resource utilization.

Annual Budgeting:

1. Annually, the budget is prepared for construction, repair, and renovation of the Institute's building and premises, as well as for purchasing instruments and chemicals. Budget is submitted to the state government and other agencies.
2. After receiving the grants, Director, disburses the funds to the respective departments.
3. All purchases are carried out in accordance with the Maharashtra Government Resolution.

4. The utilization of the budget is regularly monitored by the Institute as per the guidelines of the funding agencies.
5. Scholarships received from donors are awarded to deserving students after due verification.

These strategic plans and budgeting measures ensure the efficient and effective use of resources, supporting the Institute's mission to provide quality education and foster an environment conducive to learning and development.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iscnagpur.ac.in/igacupload/6.4.3%20USA%20WORK%20AND%20UTILIZATION%202023-24.pdf

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The institution's Internal Quality Assurance Cell (IQAC), established in 2000 following NAAC guidelines, has actively contributed to quality enhancement through its regular meetings. Key achievements during 2023-24 include:

1. Submission of online data for NIRF ranking, resulting the Institute being ranked 64th in the College category by the Ministry of Education, Government of India.
2. Signing of 19 MoUs by various departments to facilitate research, collaboration and internship programs for PG Semester II students.
3. Submission of a proposal to the Principal Secretary and Minister of Higher and Technical Education, Maharashtra for formation of State Cluster University at Nagpur comprising five constituent colleges in Nagpur district.
4. Implementation of updated syllabi and evaluation schemes for UG and PG courses in line with NEP-2020.
5. Regular organization of departmental BoS meetings, Academic

Council meetings, and BoG meetings as required.

6. Timely submission of the AQAR.
7. ASA-PBAS evaluation for CAS promotions of teaching staff.
8. Collection and analysis of stakeholders feedback to improve teaching and research quality, with action reports uploaded on website.
9. Promotion of best practices by optimal resource utilization benefiting students and staff.
10. Implementation of autonomy, NEP-20, automation of admission and examination processes.
11. Continuous encouragement for faculty research and publications, contributing to academic growth.
12. Encouragement for increasing student placement number.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/6.5.1%20incremental%20improvement.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

At our Institute, the review of teaching-learning facilities involves an annual submission of the Performance Based Appraisal System (PBAS) by all faculty members to the IQAC, as suggested by the UGC. Here's a summary of the process:

1. Submission of PBAS: IQAC circulates a notice requiring faculty members to submit their PBAS with the necessary documentation within a specified deadline.
2. Collection and Assessment: hard copies of the PBAS from all teaching faculties are forwarded to the Academic Audit Committee for assessment.
3. Recommendations for Improvement: Based on the analysis, the committee recommends activities for faculty members to enhance their scoring.
4. Placements and Promotions: Circulars regarding placements to the next scale are issued by the DHE's office periodically. Applications are recommended and forwarded by the Director to higher authorities for placement and promotion.

5. Annual Confidential Reports (CR): The office prepares CRs considering faculty performance and compliance with administrative orders. Department heads collaborate on CRs for non-teaching staff. These reports are then verified by the Director and sent to the Director of Higher Education, Pune.

This structured approach ensures a thorough review and continuous improvement of the teaching-learning facilities, while also promoting faculty development and maintaining high standards in education.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iscnagpur.ac.in/igacupload/6.5.2%20PBAS%202023-24.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://iscnagpur.ac.in/igacupload/Annual%20Report%20of%20Institution.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

Our institute prioritizes safety, security, and gender equity, cultivating a supportive student environment. To achieve this, we have established committees such as the Internal Complaints Committee, Anti-Ragging Committee, and Grievance Redressal Committee, which address grievances and promote inclusivity.

We also provide counseling services, ensuring that students, particularly girls, know gender sensitivities and guidance on self-defense, nutrition, health, yoga, and mental fitness.

WDC—Our college's Women Development Cell actively works to empower women students through various initiatives, workshops, and programs.

A spacious common room with facilities is designated for female students to promote comfort and relaxation. Additionally, our gym facilities are available to both male and female students and staff, with separate rooms for yoga and meditation for girls and female faculty members. We have also organized karate self-defense camps to empower our students.

Our institute provides a secure and comfortable separate girls' hostel, overseen by a caring and responsible warden. The Girls Hostel Committee, comprising lady teachers, ensures the well-being and safety of residents. Additional security measures include:

CCTV surveillance

24-hour security guards

These initiatives reflect our commitment to creating a secure, inclusive, and supportive environment that encourages academic excellence and well-being.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iscnagpur.ac.in/igacupload/7.1.1%20Any%20other%20relevant%20information.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	C. Any 2 of the above
File Description	Documents
Geotagged 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 a maximum of 200 words)	
<p>Solid Waste Management</p> <p>Our institute follows a systematic approach to managing solid waste:</p> <p>Separate dust bins for wet and dry waste segregation</p> <p>Regular collection and disposal of solid waste through a registered agency appointed by the Nagpur Municipal Corporation</p> <p>Compost pits with earthworms to convert organic waste into biofertilizers</p> <p>Efforts to reduce paper usage through computerization, digitalization, and electronic communication</p> <p>Initiatives to make the campus plastic-free, including the creation of Eco-Bricks as part of the NSS campaign</p> <p>Liquid Waste Management</p> <p>Our laboratories, especially the chemistry laboratory, follow prescribed regulations for the safe disposal of liquid waste, ensuring the safety of students, staff, and the environment.</p> <p>E-Waste Management</p> <p>We dispose of e-waste through a write-off procedure, adhering to necessary government rules and regulations.</p>	

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	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

C. Any 2 of the above

File Description	Documents
Geotagged 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:

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

A. Any 4 or All of the above

File Description	Documents
Geotagged 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 undertaken by the institution

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>D. Any 1 of the above</p>										
<table border="1"> <thead> <tr> <th data-bbox="86 689 539 757">File Description</th> <th data-bbox="539 689 1439 757">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 757 539 898">Reports on environment and energy audits submitted by the auditing agency</td> <td data-bbox="539 757 1439 898" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 898 539 1003">Certification by the auditing agency</td> <td data-bbox="539 898 1439 1003" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1003 539 1108">Certificates of the awards received</td> <td data-bbox="539 1003 1439 1108" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1108 539 1169">Any other relevant information</td> <td data-bbox="539 1108 1439 1169" style="text-align: center;">View File</td> </tr> </tbody> </table>		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
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										
<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>B. Any 3 of the above</p>										

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing 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, socio-economic and other diversities (within a maximum of 200 words).

Nurturing Values and Personality

Our institute is committed to encouraging a culture of ethical, cultural, and spiritual values among students. Under NSS unit we organize various activities like plantation drive, Teachers day by students, Science and superstitions, Rakshabandhan program, cleanliness drive, Swacchta hi Seva, Nirmalya collection at Ramnagar ground by NSS students during Ganpati visarjan, Voter awareness drive with the help of District collector and Blood donation camp to promote a sense of responsibility, social harmony, and national integration.

Celebrating Diversity and Unity

We celebrate a range of commemorative days and cultural events, including

Constitution Day, Fresher Party, Teacher's Da, Orientation and farewell programs, Induction programs, Rallies, Oath-taking ceremonies, Plantation drives, Youth Day, Women's Day, Yoga Day. These events bring our community together, promoting unity and a sense of belonging.

Empowering Students through Motivational Lectures

We invite inspiring speakers to deliver motivational lectures, focusing on personality development, responsible citizenship, and national values. These lectures aim to shape our students into confident, socially aware, and responsible individuals.

Nurturing Physical Development through Sports

In addition to academic and cultural pursuits, we provide robust infrastructure for various sports, promoting physical development, teamwork, and overall well-being among our students.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

Promoting Constitutional Values and National Pride

Our institute takes the lead in sensitizing students and employees to their constitutional obligations, values, rights, duties, and responsibilities as citizens. We achieve this through various initiatives such as Constitution Day Celebrations. Every year on November 26th, we celebrate Constitution Day with:

- Reading of the Preamble
- Lectures on constitutional values, rights, duties, and responsibilities

Research Assessment Committee (RAC)

Our institute prioritizes transparency, ethics, and values in research and intellectual property protection. The RAC evaluates and suggests research activities, proposals, and synopses, as well as conducts pre-submission viva for research students.

Celebration of National Days

We proudly celebrate Republic Day (January 26th), Maharashtra Day (May 1st), and Independence Day (August 15th) with:

- Flag hoisting
- National anthem
- Oath of national integrity

- Distribution of sweets

These events foster a sense of national pride, unity, and responsibility among our students, staff, and guests.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the Code of Conduct are organized

B. Any 3 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 programmes, 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

Our institute proudly celebrates national festivals and honors the birth anniversaries of nationally important personalities to inculcate cultural, ethical, and patriotic values. Some of the key events we celebrate include:

1. Independence Day
2. Republic Day
3. Mahatma Gandhi's Birth Anniversary (Swacchata Divas)
4. Birth anniversaries of iconic personalities:
 - Chhatrapati Shahu Maharaj
 - Lal Bahadur Shastri
 - Savitribai Phule
 - Dr. S. Radhakrishnan (Teachers' Day)
 - Chhatrapati Shivaji Maharaj
 - Sardar Vallabhbhai Patel
 - Maulana Azad
 - Bhagat Singh
 - Swami Vivekanand (Youth Day)
 - Deendayal Upadhyay
 - Dr. B.R. Ambedkar
 - Mahatma Jyotiba Phule
5. Constitution Day
6. NSS Day
7. National Sports Day
8. Marathi Bhasha Gaurav Day
9. Wildlife Week
10. Kranti Din
11. International Yoga Day

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Title of the practice: 1. Best Student Competition

Objectives of the Practice

1. To develop competitive spirit among students.
2. To bring about all round development of students.
3. Approach towards holistic development.

Title of the practice: 1. Student Scholarships

Objectives of the Practice:

1. To encourage continuous learning and academic excellence
2. To foster a competitive environment that drives students to succeed
3. To support needy students in pursuing their educational aspirations

For Detailed Report

<https://www.iscnagpur.ac.in/iqacupload/7.2%20Best%20Practices.docx.pdf>

<https://www.iscnagpur.ac.in/igacupload/Other%20Best%20Practices%202023-24.pdf>

File Description	Documents
Best practices in the Institutional website	https://www.iscnagpur.ac.in/igacupload/7.2%20Best%20Practices.docx.pdf
Any other relevant information	https://www.iscnagpur.ac.in/igacupload/Other%20Best%20Practices%202023-24.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Sustaining Academic Excellence through Scholarships

Our institute's vision is to cultivate a scientific temperament among students, empowering them to address global challenges as innovators and leaders. To achieve this, we encourage students to adopt a scientific approach, develop competitiveness, and tackle local and global issues.

Scholarship Initiatives

We offer various scholarships to recognize and reward academic excellence, including:

1. 20 scholarships sponsored by the Alumni Association of Institute (AASCON)
2. A ₹3 crore donation from two philanthropists
3. The "Sukhdevji Maharaj of Saongi Memorial Scholarship," which awards cash prizes and gold medals in six subjects: Physics, Chemistry, Mathematics, Statistics, Botany, and Zoology
4. The Shankar Balwant Pandit Memorial Scholarship, instituted by Vikram Pandit for postgraduate students of Physics and Mathematics, aiming to support economically disadvantaged students.

Our goal is to provide continuous encouragement for acquiring knowledge, fostering a competitive environment, and supporting

needy students in pursuing their education.

File Description	Documents
Appropriate link in the institutional website	https://www.iscnagpur.ac.in/igacupload/7.3.1%20SCHOLARSHIPS & PRIZES%20(1).pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Development Objectives, Enablers and Operationalization 2024-25

Goal: Increasing Efficiency of Academic Governance

Objective 1: Recruitment of Full-time contractual self-motivated support staff

Objective 2: Motivational and skill enhancement Training for existing support staff

Goal: To develop a Legal framework to support the redevelopment initiatives.

Objective 1: Establishing an active Legal cell

Objective 2: Achieving Fully transparent administration

Goal: To create a mechanism for monitoring students, teachers, and support staff for effective learning outcomes

Objective 1: Effective Monitoring by the IQAC

Objective 2: Regular audit of institution functioning

Goal: Evaluation via student centric active learning

Objective 1: Establishing Continuous Internal Evaluation Process

Objective 2: Implementation of Flexible inter-institute

examination processes

For Detailed Report

<https://www.iscnagpur.ac.in/iqacupload/IOSC%20Plan%20of%20Action%202024-25.pdf>