



## YEARLY STATUS REPORT - 2023-2024

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	SHRI MATHURADAS MOHOTA COLLEGE OF SCIENCE
• Name of the Head of the institution	DR. JEEVAN R. DONTULWAR
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	07122744992
• Mobile No:	9890943225
• Registered e-mail	mohotacollege@yahoo.co.in
• Alternate e-mail	iqac.smmcs@gmail.com
• Address	Sakkardara Square, Umrer Road, NAGPUR - 440024
• City/Town	NAGPUR
• State/UT	Maharashtra
• Pin Code	440024
<b>2.Institutional status</b>	
• Affiliated / Constitution Colleges	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	UGC 2f and 12(B)																														
• Name of the Affiliating University	RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY																														
• Name of the IQAC Coordinator	Dr. VIJAY V. SOMAN																														
• Phone No.	9822228348																														
• Alternate phone No.	9011093421																														
• Mobile	9822228348																														
• IQAC e-mail address	iqac.smmcs@gmail.com																														
• Alternate e-mail address	vvsoman.naac@gmail.com																														
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://mohotasci.edu.in/wp-content/uploads/2024/10/AQAR-2022-23.pdf">https://mohotasci.edu.in/wp-content/uploads/2024/10/AQAR-2022-23.pdf</a>																														
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes																														
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://mohotasci.edu.in/wp-content/uploads/2023/08/Yearly-planner-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2023/08/Yearly-planner-2023-24.pdf</a>																														
<b>5.Accreditation Details</b>																															
<table border="1"> <thead> <tr> <th>Cycle</th> <th>Grade</th> <th>CGPA</th> <th>Year of Accreditation</th> <th>Validity from</th> <th>Validity to</th> </tr> </thead> <tbody> <tr> <td>Cycle 1</td> <td>B+</td> <td>75.25</td> <td>2002</td> <td>01/10/2002</td> <td>30/09/2007</td> </tr> <tr> <td>Cycle 2</td> <td>B</td> <td>2.74</td> <td>2011</td> <td>08/01/2011</td> <td>07/01/2016</td> </tr> <tr> <td>Cycle 3</td> <td>A</td> <td>3.10</td> <td>2017</td> <td>22/02/2017</td> <td>21/02/2022</td> </tr> <tr> <td>Cycle 4</td> <td>A+</td> <td>3.26</td> <td>2023</td> <td>08/07/2023</td> <td>07/07/2028</td> </tr> </tbody> </table>		Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to	Cycle 1	B+	75.25	2002	01/10/2002	30/09/2007	Cycle 2	B	2.74	2011	08/01/2011	07/01/2016	Cycle 3	A	3.10	2017	22/02/2017	21/02/2022	Cycle 4	A+	3.26	2023	08/07/2023	07/07/2028
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<b>6.Date of Establishment of IQAC</b>	01/11/2005																														
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>																															

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
College	Salary Grant	Government of Maharashtra	2023-24, 365 days	107225105
College	Medical Grant	Government of Maharashtra	2023-24, 365 days	623345
College	CHB Grant	RTM Nagpur University	2023-24, 365 days	1591380
College	DA Arrears	Government of Maharashtra	2023-24, 365 days	2261368
College	NSS grant	RTM Nagpur University	2023-24, 365 days	159750
College	MSME	MSME, Government of India	2023-24, 365 days	30000
Dr. N. V. Palande, Zoology Department	University Research Project Scheme	RTM Nagpur University	2023-24, 730 days	300000

<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>
<b>9.No. of IQAC meetings held during the year</b>	<b>3</b>
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<a href="#">View File</a>

<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>
• If yes, mention the amount	
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
Organized various programmes and events focused on students skills development and holistic development.	
IQAC worked beyond academics to inculcate social and community interaction / responsibilities and environmental consciousness.	
Facilitated career development by organizing career promoting events.	
Promotion of health and overall well-being by conducting various camps.	
Workshops and invited talks were conducted for the students as well as for teachers.	
<b>12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>	

Plan of Action	Achievements/Outcomes
<p>To inculcate awareness of environmental issues and to promote the sustainable practices among students and faculty members.</p>	<p>The institution organized various events to address events on environment consciousness like celebration of World Environment Day and complementary lifestyle. Further environmental consciousness was promoted through an eco-friendly Ganesh idol immersion facility provided in the college premises during Ganesh festival. The student volunteers also campaigned in nearby areas to save water bodies from contamination during this festival. These events successfully increased student and faculty awareness of environmental issues. Cleanliness drives were conducted in the college premises where principal, staff and students actively participate. There is a proper separation of bio-degradable and non-degradable waste collected in the campus. Such initiatives raise environmental awareness and promoting sustainable practices among students and faculty.</p>
<p>To further enhance academic opportunities, promote research and innovation, and improve teaching pedagogies</p>	<p>Many workshops and training programs were conducted to enhance teaching skills, methodologies and student skills. The academic session started with one day workshop on learning and assessment methods for the teachers in July 2023. In collaboration with MS-DEED and IISER (Pune) - (Maharashtra State Development of Educators and Enhancement in Delivery and</p>

Indian Institute of Science Education and Research) and MSFDA (Maharashtra State Faculty Development Academy), a three-day workshop for teachers was conducted in October. A three-day faculty development program focusing on 'Techno-Pedagogy and Andragogy for Active Learning' was organized in January 2024 in collaboration with MSFDA. For students and teachers both - one day events like - lecture on IPR, hands-on Chem-Draw training, hands-on training on Molecular Biology techniques were conducted. Taking the students on education tours, research-oriented programme like - Avishkar, Sci-Storm - A state level seminar competition, science exhibition on account of National Science Day were also conducted. Aquarium fabrication workshop was conducted, soap and detergent making workshop and a Rasayan Rangoli contest were also conducted. Additionally, coaching camps in sports was conducted for one month in April - May 2024. A Python programming workshops was also conducted. Further, many guest lectures were organized. These initiatives resulted in improved teaching methods, enhanced student skills and provided valuable professional development opportunities to the faculty and students both.

To inculcate empathy for community through various social outreach and skill building initiatives.

The institution is actively engaged in various community outreach and skill-building initiatives throughout the year. A Rakhi making competition was

held in the college. The students were elated as the Rakhis made by them were sent to Air Force Station - Leh, as a gratitude to our soldier brothers who guard the motherland even in most adverse and hostile conditions. The Electoral literacy club worked to enhance the importance of democratic processes. Students also participated in Aadhar card up-dation and Ayushman Bharat Yojana campaign, online National Environment Youth Parliament competition, Gram Sabha at Panchgaon (nearby village) under 'Unnat Bharat' and in Ek Mutthi Anaaj campaign. A sense of patriotism was inculcated among the students through the participation in the Kargil Vijay Rajat Mahotsav in December 2023. Conduction of NSS camp in a nearby village helped the students to understand the social needs and how to address them. 'Jidnyasa' was a hands-on programme organized by the college for the students studying in Nagpur Municipal Corporation schools. The aim of this programme was to popularize science and inculcate scientific temper among the students who are from non-affluent schools. A free health checkup was conducted in March 2024 to make the students, teachers and staff aware of the health issues.

To provide opportunities to the students to showcase their talents, engage in cultural celebrations and develop teamwork and leadership skills.

Celebration of foundation day, Independence day and many more commemorative days were the regular events organized in the college. As the students come

	<p>from various social / cultural backgrounds the events like Mohota's Garba night in Navaratri of 2023, gathering 'Abhyuday' and other cultural engagement help the students to inculcate a sense of belongingness and unity in diversity. The investiture ceremony of students council, various cultural, sports, quiz competition and science exhibition held in college provided an additional platforms to showcase their qualities like leadership, teamwork, and academic achievements.</p>
<p>To further enhance institutional quality and ranking</p>	<p>The academic year began with a NAAC Peer team visit on June 22-23, 2023, and declaration of NAAC-IV cycle results on July 8, 2023. Throughout the year, many guest lectures and workshops were conducted for both faculty and students. These initiatives were aimed for a significant improvement in institution quality. Faculty members were provided opportunities for professional development through these various programs, leading to enhanced teaching capabilities and overall institutional advancement such as one faculty of our college was a part of Indian Delegation in Junior Science Olympiad at Bangkok, which is a Government of India sponsored activity.</p>
<p>To collect and analyze the feedback from various stakeholders</p>	<p>Feedback mechanism creates a responsive and adaptive educational environment that meets the needs of various stakeholders. A feedback</p>



	<p>committee collects feedback from various stakeholders and ensures a consistent and inclusive feedback process which results in actionable changes to maintain trust and improve the educational quality. This feedback is collected and analyzed on a regular basis using Google Forms. The feedback gives an idea to address the areas that need improvement and emphasize positive aspects.</p>				
<p>To ensure quality and accountability at all levels through IQAC meetings and report the actions taken thereon.</p>	<p>The Internal Quality Assurance Cell (IQAC) conducted regular meetings to discuss and address various quality enhancement initiatives regarding planning on academics, infrastructure, finances, administration, etc. within the institution. This results in the formulation of action plans to improve overall educational standards. Subsequently, an Action Taken Report (ATR) detailing the decisions made and steps taken are the outcomes of the IQAC meetings. Minutes of meeting and the ATR are meticulously compiled and uploaded onto the institutional website, ensuring transparency and accountability in the quality enhancement processes for stakeholders.</p>				
<p><b>13. Whether the AQAR was placed before statutory body?</b></p>	<p>No</p>				
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>					
<table border="1"> <thead> <tr> <th>Name</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td>Nil</td> <td>Nil</td> </tr> </tbody> </table>	Name	Date of meeting(s)	Nil	Nil	
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Nil	Nil				

**14. Whether institutional data submitted to AISHE**

Year	Date of Submission
2022-23	13/02/2024

**15. Multidisciplinary / interdisciplinary**

The institution implements the Choice Based Credit System (CBCS) and elective pattern as prescribed by the university in the postgraduate programs. The institution also conducts a few short-term courses. The curriculum emphasizes on enhancing practical knowledge through laboratory work, hands-on training, fieldwork, etc. with an aim to enhance the students rational thought process, scientific temper, creativity, critical thinking and problem-solving skills. The institution provides a wide range of learning experiences alongside their core subjects to improve their employability. As per the ethos of NEP, the institution is putting emphasis for the development of the creative potential of the students by promoting the possible interdisciplinary collaborations, industry partnerships and multidisciplinary education.

**16. Academic bank of credits (ABC):**

As NEP-2020 has introduced the Academic Bank of Credit (ABC) system at the University level, the college also took initiatives to help students to manage their credits. The teachers, at the individual level, have started informing about the advantages of blended learning by enabling students to earn credits from different Higher Education Institutions (HEIs), as well as from online platforms like SWAYAM, NPTEL, etc. The college formed a committee of teachers which oriented themselves first, so as to guide the students later for its features and benefits, guide them for the complete process of 3As - Allocation, Accumulation and Award of credits. This will help the students as to how to acquire credits obtained through online courses SWAYAM, NPTEL, V-Lab, or recognized universities.

**17. Skill development:**

It is the need of the hour to have various life and professional skills in the students and hence this college decided to equip the students with various skills so that they stay connected with the outer world as well as can address life's challenges. The college consistently provides facilities to the students to enhance their life skills, professional skills in alignment with evolving requirements through multi-skill development courses. These initiatives enhance students' readiness for the professional, skilled, capable and highly competitive world beyond the text books.

The college actively promotes awareness among students about various skill development courses, encouraging them to enroll in these programs. These skill- focused courses are of practical importance and application- oriented, covering diverse areas.

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

The college highlights the importance of the New Education Policy (NEP) by blending regional language and culture with the western ideas in a systematic manner. The college organizes various cultural programs with an aim to understand rich Indian heritage and a love for Indian culture. The institution celebrates events like International Yoga Day, National Science Day, Marathi Bhasha Din. On Chhatrapati Shivaji Maharaj jayanti day, the types of weapons which were used during Shivkalin era are on display and some Shivakalin martial art demonstrations are also exhibited by sports department and some students. Many students actively participate in cultural events at various levels to showcase the diverse cultural heritage of India. Teachers encourage the students to uphold the goals of NEP by addressing local and national issues related to language and rich Indian culture. As the students come from diverse social backgrounds, Hindi/Marathi language is used for communication / instructions whenever required.

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

The curriculum prescribed by RTM Nagpur University outlines the expected final outcomes for students completing each course. The program outcomes are available on the college website, thus elevating the quality of education delivery. Evaluation is conducted through both direct and indirect measures. Direct measures include unit tests, semester-end examinations and internal assessments, while indirect measures encompass student feedback and placement data.

**20.Distance education/online education:**

Right now, our institution exclusively offers courses through traditional and conventional means as approved by RTM Nagpur University. However, Indira Gandhi National Open University (IGNOU), has already designated Geology Department of our college as a hub for conducting Geology practical sessions and the registered IGNOU students perform practical sessions here. The college provides all the necessary facilities to these students for the smooth conduction of Geology practical sessions. Furthermore, our college possesses the fundamental technological framework to facilitate online learning, encompassing fast internet connectivity. If required the

faculties have used online platforms like Microsoft team, Google Meet and Zoom for quizzes, exams, etc. The students were provided with e-resources and study materials. The college is registered as a nodal center for IIRS (Indian Institute of Remote Sensing), Dehradun outreach programmes where we encourage the students to participate in various online programmes of IIRS run under this initiative through distance learning.

## Extended Profile

### 1.Programme

1.1	25
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 2.Student

2.1	1586
Number of students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.2	1563
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	486
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 3.Academic

3.1	62
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	107
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	27
Total number of Classrooms and Seminar halls	
4.2	217.68
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	231
Total number of computers on campus for academic purposes	
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curricular Planning and Implementation</b>	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<p>Shri Mathuradas Mohota College of Science ensures effective curriculum delivery through a structured and documented process aligned with Rashtrasant Tukadoji Maharaj Nagpur University. The academic calendar is developed by IQAC in coordination with the Principal, Vice-Principal, and department heads, followed by department-level activity planning. Syllabus distribution and workload assignments are done by heads of departments (HoDs) in departmental meetings after discussion with the faculty members. As a part of effective teaching-learning for formative and summative assessments, continuous evaluation mechanisms such as unit tests,</p>	

assignments, and homework are implemented for effective curriculum monitoring. Industrial tours and field visits are also arranged for practical exposure. Similarly, the students are encouraged to attend subject-related exhibitions and accordingly study tours are organized, by which they can interact with experts in respective fields and participate in new learning experiences. The students are also encouraged to attend the workshops, where they can learn and experience the subject. The bridge course for first year students is conducted to bridge the gap of pre-university and university levels. Subject societies further support academic engagement by hosting co-curricular programs.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

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

Multitude activities for academic enrichment and formative and summative assessments are planned as a part of CIE and implemented in accordance with the tentative academic calendar formed by the IQAC and various departments. Variety of activities primarily focusing on curricular and cocurricular enrichment like study tours and field visits, seminars, workshops, celebration of various commemorative days, model making competitions, talks by experts and similar allied events are conducted. The teachers at the institute implement a variety of assessment methods such as pre-informed unit tests, mock tests, online tests, activity-based tests and terminal examinations. The teachers also give the students some offline and online assignments so they can get more balanced experience between the academic rigor and real-world problems. To enhance the skill of delivery and presentation, teachers encourage seminar presentations. Attendance, punctuality, and active participation are also the key criteria, to ensure students maintain consistency in their academic events. Overall, the multifaceted approach of CIE actively engages students, fostering a culture of regular learning and continuous improvement. Apart from activities for students, workshops for efficient curriculum delivery are also conducted by the institute in association with various recognized institutes.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	Nil

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

**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

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

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

6

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement**

**for year: (As per Data Template)****4**

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

**1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year****488****1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year****488**

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

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

As the college is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University Nagpur, it follows the curriculum designed by the university. The curriculum indirectly touches the crosscutting issues. Environmental Studies has been introduced in the second-year curriculum of graduation level by the university as per the guidelines of UGC. It is compulsory for all the students and grades are awarded based on the scores they obtain. The syllabus covers topics dealing with the natural resources, biodiversity, pollution, social issues and the environment. Environment Protection Cell (EPC) organizes Eco-friendly Ganesh Visarjan aiming to create awareness about the hazards of immersing Ganesh idols in lakes. Environment related commemorative days are also celebrated. The institute has also taken initiatives in organizing program on gender



sensitization, sexual harassment to make students aware of these issues. The college had organized short term course on Self Development for 1st year UG students to address professional ethics and human values. In M.Sc. syllabus, New Education Policy has been implemented in 2023-24. A module on IPR, antiplagiarism, and research ethics, has been included in the research methodology course.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	No File Uploaded

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

11

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

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

459

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

#### 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni**

**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	<a href="#">View File</a>

**1.4.2 - Feedback process of the Institution may be classified as follows**

**C. Feedback collected and analyzed**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil

#### TEACHING-LEARNING AND EVALUATION

##### 2.1 - Student Enrollment and Profile

**2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of sanctioned seats during the year**

**2582**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

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

1008

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

Students entering the college come from diverse socio-economic backgrounds, and the admission committee guides them in selecting suitable subject combinations. The institution takes a comprehensive approach to assess and support students' diverse learning levels by organizing special programs to cater both academically strong and weak students (advanced and slow learners). For the stronger students, initiatives include awareness and guidance programs on competitive exams like IIT-JAM, SET, NET, and GATE, etc are taken. The students are also encouraged to participate in academic competitions, such as science exhibitions, debates, and poster competitions hosted by various other institutions like outstanding performances include awards won by students in events organized by the Maharashtra Forest Department, Physics Seminars held at Gadchiroli, etc. Additionally, the college hosted the state-level seminar competition, SciStorm-2024 for motivating students to participate and excel.

For academically weaker (slow), special training sessions are conducted to strengthen their understanding of challenging subjects. Faculties provide additional resources, including reference materials, notes, extra problem-solving sessions, YouTube videos for complex topics. Hands-on exercises, such as specimen identification

and stereographic projection, enhance experiential learning for all students, ensuring a balanced and supportive academic environment tailored to varied learning needs.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
1566	62

File Description	Documents
Any additional information	<a href="#">View File</a>

## 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

The institution has adopted a range of student-centric methods aimed at enriching the learning experience, including experiential, participative, and problem-solving approaches. Bridge courses and add-on certificates have been introduced to bolster practical skills. To keep students informed and engaged, the college regularly organizes guest lectures.

Experiential learning is enhanced through fieldwork, internships, on-the-job training, and industrial visits to sites such as geological locations, seed testing labs, and biotechnology centers, complemented by project work for postgraduate students. Students gain hands-on experience in activities like aquarium and circuit board fabrication, bonsai, and the production of hand wash and sanitizer.

The college has also conducted workshops on software tools like ChemDraw, Mendeleev, Adobe Photoshop, and FOSS S/W Inkscape. Problem-solving skills are cultivated through activities such as cell organelle chart preparation and specimen identification exercises.

Furthermore, an MSME-certified program on multi-skill development for soap and detergent making has been implemented.

Participative learning is reinforced via seminars, debates, and quizzes, with students actively taking part in the state-level SciStorm seminar, Rasayan Rangoli competition, and intercollegiate PowerPoint and seminar competitions, where they have received awards. These initiatives collectively foster a dynamic learning environment, promoting practical skills, collaboration, and analytical thinking.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

Teachers at the college have effectively utilized ICT tools and a variety of openly available e-resources to enhance the teaching-learning process. Google Workspace has served as the primary Learning Management System (LMS) for faculty, facilitating the organization of information, planning of lectures, recording of attendance, conducting tests, sharing resource materials, and scheduling guest lectures through its Drive feature. In addition to Google Workspace, various platforms such as Google Classroom, Google Meet, Zoom, Microsoft Teams, Jamboard, CorelDRAW, ArcGIS, and PowerPoint presentations have been employed. Microsoft Office products have predominantly been used to prepare and distribute resource materials, while Google Forms has also played a role in gathering information from students. The sharing of valuable YouTube links has benefitted students, especially through animated videos that simplify complex concepts. From the library, resources such as the INFLIBNET N-list, MOOCs, open-source e-books, e-journals, animations, e-dictionaries, glossaries, e-flora, e-atlas, and bioinformatics databases have been utilized. Together, these ICT tools and resources have enriched the learning experience, making it more engaging and accessible for students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="https://mohotasci.edu.in/wp-content/uploads/2025/01/2.3.2-Evidence-AQAR-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2025/01/2.3.2-Evidence-AQAR-2023-24.pdf</a>

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

#### 2.3.3.1 - Number of mentors

34

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
mentor/mentee ratio	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

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

62

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

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

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

32

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

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

#### 2.4.3.1 - Total experience of full-time teachers

569

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

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

Assignments are integral part of the assessment process, allowing students to demonstrate their understanding continuously. The institution maintains a transparent and robust mechanism for internal assessment. Continuous Internal Evaluation (CIE) is implemented through various methods, including regular unit tests, assignments, surprise tests, and terminal examinations, which are scheduled throughout the semester. Additionally, open book tests and open book problem-solving sessions create enthusiasm and adds an element of surprise in the assessment process for the students. The college also encourages collaborative learning through student seminars and presentations, where students present topics via PowerPoint, fostering critical thinking and communication skills. This comprehensive approach ensures that internal assessments are not only frequent and varied but also designed to support student learning and development, promoting a deep understanding of the subject matter while maintaining transparency throughout the evaluation process.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The institution has established a transparent, time-bound, and efficient mechanism to handle grievances related to internal examinations. Continuous Internal Evaluation (CIE) practices such as unit tests, assignments, and sessional exams allow students to consistently track their performance and address any concerns promptly. Subject teachers evaluate assessments in a timely manner, and marks are shared with students, promoting a clear understanding of their academic standing. The students approach the teachers for any query regarding the award of marks and the teachers approach a judicious approach towards the students. These internal marks are subsequently uploaded to the affiliating university's website, ensuring both accuracy and accessibility for students and faculty, further reinforcing a fair and organized grievance handling process.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The college employs a comprehensive mechanism to communicate program outcomes, program-specific outcomes, and course outcomes for all undergraduate and postgraduate courses to both teachers and students. Key details of these outcomes are prominently displayed on the college website, providing accessible information for reference. Additionally, each department maintains hard copies of the syllabi, which are readily available to teachers and students, ensuring easy access to course expectations and learning objectives.

At the beginning of each academic session, teachers also share these outcomes with students, highlighting their relevance and encouraging students to work toward achieving them. This systematic approach not



only enhances awareness of academic objectives but also promotes a cohesive educational experience that aligns with both institutional goals and students' career aspirations.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://mohotasci.edu.in/wp-content/uploads/2023/02/2.6.1-Evidence-SSR-IV-DS-1.pdf">https://mohotasci.edu.in/wp-content/uploads/2023/02/2.6.1-Evidence-SSR-IV-DS-1.pdf</a>
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

To ensure comprehensive assessment, the college conducts regular internal evaluations, including unit tests, semester-end exams, assignments, seminars, and project work. These diverse methods help track students' progress toward achieving the defined program and course outcomes, fostering continuous improvement in learning.

At the end of each semester, student feedback is collected to identify potential areas for enhancement, allowing the college to refine its academic practices and address any challenges that students may face in meeting learning objectives. Furthermore, faculty members analyze the results of university exams to assess student performance across each course and subject. This analysis provides valuable insights into whether the intended program and course outcomes have been satisfactorily achieved.

The consistent performance of students in university exams, at both undergraduate and postgraduate levels, demonstrates the institution's effectiveness in attaining program outcomes. Through this structured approach, the college reinforces its commitment to delivering quality education, ensuring that students meet academic and professional expectations in a supportive and well-monitored learning environment.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

<b>2.6.3 - Pass percentage of Students during the year</b>	
<b>2.6.3.1 - Total number of final year students who passed the university examination during the year</b>	
273	
File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://mohotasci.edu.in/wp-content/uploads/2025/01/Annual-Report-AOAR-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2025/01/Annual-Report-AOAR-2023-24.pdf</a>
<b>2.7 - Student Satisfaction Survey</b>	
<b>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)</b>	
<a href="https://mohotasci.edu.in/wp-content/uploads/2025/01/2.7.1-Evidence-AOAR-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2025/01/2.7.1-Evidence-AOAR-2023-24.pdf</a>	
<b>RESEARCH, INNOVATIONS AND EXTENSION</b>	
<b>3.1 - Resource Mobilization for Research</b>	
<b>3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)</b>	
<b>3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)</b>	
3.00	
File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year****3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year****1**

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

**3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year****3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year****8**

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.2 - Research Publications and Awards****3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year****14**

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

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

#### 3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

12

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.3 - Extension Activities

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

The extension activities foster strong relationships between students, the local community and local administration while exploring their organization potential. The college has initiated various activities to sensitize students on different social issues. For instance, a Rakhi-making competition was organized at the college level and five best Rakhis were given prizes. Approximately 200 Rakhis created by students and staff were sent to Air Force Station in Leh.

A faculty member was invited to deliver lectures at nearby institutions on celebrating Diwali and Holi in eco-friendly way. Another faculty member delivered lectures on the Biodiversity Act 2002 for the effective implementation of Community Forest Rights Act 2006 at Bhamragarh.

The college Environment Protection Cell (EPC) and National Service Scheme (NSS) unit of the college took initiative for Ganesh Idol Visarjan in collaboration with the Nagpur Municipal Corporation (NMC).

Students also took initiative to donate RO unit to Prameshthi (Spandan) school for special children. On National Science Day - 28 Feb. 2024 students of B. Sc and M.Sc. demonstrated various experiments and exhibits to about 300 students from five different schools who were invited to attend science exhibition.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

#### 3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

6

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

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

8

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

### 3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

#### 3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1189

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.4 - Collaboration

#### 3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

6

File Description	Documents
e-copies of linkage related Document	<a href="#">View File</a>
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

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

5

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

Though the college has required infrastructure and academic facilities, the budget is modified every year according to requirements. It is reflected from the audited sheets that the amount utilized for infrastructure development is Rs. 151.21 lakh, maintenance of physical facilities is Rs. 42.83 lakh and maintenance of academic facilities is Rs. 23.63 lakh, which shows that college has purchased equipment, instruments and necessary laboratory facilities so that the students are always benefited. The college has enough well-equipped classrooms / laboratories - some with LCD projectors and smart TVs. The laboratories are equipped with modern instruments which are useful for courses of undergraduate, post graduate and research. The purchase committee checks the requirements received from department heads and forwards the proposals to the management (through the principal) for sanction. The internet facility is strengthened for online academic work. The college library is updated with computers, books, periodicals, journals, etc. The college has also upgraded the computers and computer laboratory which is evident from the amount spent on physical facilities and academic facilities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mohotasci.edu.in/wp-content/uploads/2024/12/Audit-report-certified-by-the-CA-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2024/12/Audit-report-certified-by-the-CA-2023-24.pdf</a>

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

The college has a separate 'Physical Education and Sports Department' which conducts various indoor and outdoor sport activities. The college has well-equipped gymnasium, playground of 5.28 acre with 400 meter running track and facilities for athletics and a green gymnasium. Many citizens (from nearby area) take the advantage of this ground for morning and evening walks, running, practice yogasan and other physical exercises and use the green gymnasium. Proper facilities for basket- ball, volleyball and other Indian games like kabaddi, khokho, etc. are also available.

The college makes optimum utilization of the infrastructure. It has an auditorium hall (by combining room number 1 and 2 - capacity of about 250), room number 3 (with capacity of about 120). An open-air stage is also available for cultural and social activities. Cultural activities like college gathering Abhyuday, Garba festival, events during Shivaji Jayanti celebration etc. are conducted on this open ground. The training for cultural activities is provided by a member of non-teaching staff who has a keen interest in training the students in all cultural events. If needed, choreographers and musicians are invited for the students. The students have bagged honors in many sports and cultural at various levels (details in criterion V).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

26



**4.1.3.1 - Number of classrooms and seminar halls with ICT facilities**

26

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

151.21

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)****1. Name of the ILMS software: Libman**

This is a fully integrated, Multi User Package for the complete automation of library functioning. This system is having Modules such as Acquisition, Cataloguing, Circulation, OPAC, Serial Controls. Acquisition that deals with selection and ordering of library materials, invoicing, Accessioning, and payment details entry. Libman Cataloguing is based on AACR2 standards. Periodicals section is computerized in the serial controls module of libman

software.

Library has adequate number of terminals to facilitate searching/accessing e-resources, web browsing and for other academic work. Provision has also been made to allow downloading/printing of material from these resources. It has excellent ICT infrastructure with adequate bandwidth for fast and seamless access to Internet. It is also member of NLIST INFLIBNET.

The library has Free WI-FI, internet access, download and printout facility have been provided. 2. Reprographic facilities. 3. Organization of Book Exhibitions/Display of new books. 4. Proper system of feedback from users to improve library services. 5. System of recommendation for purchase of books through Departments.

1. Nature of automation (fully or partially): Fully
2. Version: 2.1.0

Year of automation: 2010

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

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

1.69

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

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

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

94

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

**4.3 - IT Infrastructure**

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

Our institution uses available IT facilities and tools optimally for teaching, learning and e-governance process. The institution is well equipped with computers, copiers, printers and a color printer. The IT and Wi-Fi facilities are updated and upgraded and well maintained. There are total 248 computers, 24 printers, LCD projectors, 2 rooms with smart interactive tv board. Most of the computers are connected with internet either with LAN cable and/or Wi-Fi, purchased from BSNL and Railwire service. The institution uses MasterSoft CCMS software for automation of the office work like admissions, fee collection, ID card generation, bulk messaging, certificates generation and administration. The staff members use online free tools for conduction of examinations, seminars, conferences and guest lecturers. The library uses LibMan software for library automation work. Teachers have been using IT tools like computers, mobiles, laptops, smart boards, LCD projectors, Google Workspace, Zoom, Cloud meetings, etc. for teaching - learning and evaluation. The entire campus is covered under camera surveillance for safety purpose.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**4.3.2 - Number of Computers**

**248**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Student – computer ratio	<a href="#">View File</a>

**4.3.3 - Bandwidth of internet connection in the Institution**

**A. ? 50MBPS**

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

**4.4 - Maintenance of Campus Infrastructure**

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

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

**66.46**

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

To optimize the allocation and utilization of available resources and for maintenance, up-gradation of physical and academic facilities in the college, there are various committees constituted. In the meetings of CDC, IQAC & heads of the departments and various committees, various requirement issues are discussed. It is supervised by the management.

The record of laboratory purchase, expenses are maintained in stock books at the departments. The instruments and equipment are regularly cleaned and maintained by laboratory staff. The 'Library Advisory Committee' reviews the needs of the library. 'No dues' from the laboratory and library is mandatory for students and staff. Weeding out of old titles is decided by the library committee. Software and hardware are periodically reviewed and upgraded as per requirements. The college website is maintained and updated regularly by college staff. The building committee looks after maintenance of infrastructure. The employees on contract clean the classrooms, library and the laboratories. There are technicians, mason, plumbers, carpenters deputed by management who ensure the corresponding maintenance. The college sports ground that is maintained and upgraded regularly. The college has an annual maintenance contract (AMC) with computer maintenance, e-waste disposal and yearly contract with Mastersoft ERP Solutions Private Ltd.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

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

714

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

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

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

18

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

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

C. 2 of the above

File Description	Documents
Link to institutional website	Nil
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

624

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

624

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

**5.2 - Student Progression****5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year**

3

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**5.2.2 - Number of students progressing to higher education during the year****5.2.2.1 - Number of outgoing student progression to higher education**

22

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

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

3

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**5.3 - Student Participation and Activities****5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**



5

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

The college ensures active student involvement in various academic and administrative committees through a vibrant student council and representation. The Student Council is democratically elected, promoting leadership, inclusivity, and accountability among students. It plays a significant role in organizing cultural, academic, and social activities, addressing student grievances and bridging communication with the administration. Students actively contribute to bodies like the IQAC, anti-ragging committees, and other statutory cells/committees, providing valuable inputs for institutional growth. This participatory approach enhances leadership, teamwork and organizational skills among the students. It also nurtures a culture of collaboration and continuous improvement while empowering students for real-world challenges.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

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

46

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

#### 5.4 - Alumni Engagement

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

Alumni Association of the College was formed in 2008 and later duly registered on 01.10.2016 under Society Registration Act, 1860 with Assistant Society Registrar Office at Nagpur with Registration Number Mah-681/16 (Nag).

The basic objective of this association is to maintain better link between the institution and its alumni to share details of growth, achievements and progress in various fields. Association has renowned personalities in various fields as its life members thereby contributing to their best in the development of the college. The alumni representative is a part of IQAC.

A separate page for Alumni is available at the college website: <https://mohotasci.edu.in/> wherein all details like constitution, members of executive committee, registration details and their significant contributions are displayed.

The contribution made by the association in this year is yet to be received.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

5.4.2 - Alumni contribution during the year

E. <1Lakhs

(INR in Lakhs)	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
<b>GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>	
<b>6.1 - Institutional Vision and Leadership</b>	
6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution	
<p>The college's vision emphasizes the development of a workforce that is knowledgeable, intelligent, industrious, cultured, skilled, patriotic, and environmentally conscious to address the nation's current and future needs and challenges. To cultivate such a well-prepared workforce, the institution is committed to achieve academic excellence through teaching-learning, research, environmental awareness, patriotism, and fostering a society that values honesty, transparency, and responsibility.</p> <p>The CDC, principal, vice-principal, IQAC, department heads, along with various committees and cells, play crucial roles in formulating, implementing, and executing initiatives to achieve our goals. The IQAC serves as the primary liaison among the institution's different stakeholders.</p> <p>The institution promotes the holistic development of faculty members and students through multiple extracurricular, sports, cultural, and academic activities. The departments receive financial support and consistent encouragement to organize events that promote significant participation of stakeholders representing diverse socioeconomic backgrounds. These events have proven beneficial time and again.</p>	
File Description	Documents
Paste link for additional information	<a href="https://mohotasci.edu.in/vision-mission/">https://mohotasci.edu.in/vision-mission/</a>
Upload any additional information	<a href="#">View File</a>
6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.	
<p>The College Development Committee (CDC), principal, vice principal, IQAC, and heads of the departments play vital roles in formulating,</p>	

implementing and upgradation of the perspective plan. Constituting the committees and practicing participative management are crucial initial steps toward decentralizing tasks. These committees are empowered to make decisions within the regulatory framework, with their activities being supervised by the Principal and Vice Principal. The college website's student corner displays a list of committees important to students.

The Principal, the Vice-Principal, Department Heads and Coordinators have been granted autonomy in their respective domain to manage teaching strategies, timetable distribution, internal exam conduction, departmental societies, and other affairs. The principal can allocate and utilize funds and resources for the college's growth with the approval from management. The heads and coordinators of departments are also authorized to procure incidental items. The management provides financial support to organize activities that benefit faculty members, students, and society in general.

The principal has authorized the faculty members of various committees to take the necessary actions for effective implementation of policies as per the prescribed guidelines.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institute perspective plan outlines a comprehensive strategy for enhancing its academic programs and infrastructure. The plan's effective deployment is evident in its focus on continuous curriculum review, incorporating student and alumni feedback, and the introduction of interdisciplinary courses aligning with industry demands. The emphasis on experiential learning through hands-on workshops and real-world projects, coupled with faculty development programs, directly addresses skill enhancement. Strategic initiatives like national/ international exchange programs for faculty and data-driven personalized feedback mechanisms demonstrate a commitment to enhancing teaching and learning. The plan's focus on research prioritization, secured through grant applications and partnerships, directly supports innovation and aligns with industry and societal needs. Furthermore, the commitment to infrastructure

upgrades, incorporating smart technologies and sustainable practices, lays a solid foundation for future growth. Social engagement initiatives, including diversity training and community outreach programs, showcase a holistic approach to education. The plan's emphasis on transparent governance, stakeholder engagement, and comprehensive wellness programs for staff indicate a commitment to creating a supportive and inclusive environment.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The college is governed by the Nagpur Shikshan Mandal (NSM), led by a president and supported by a vice-president, secretary, and executive members. The College Development Council (CDC), the highest decision-making body is formed as per the UGC guidelines and is chaired by the NSM president. The principal of the college is the secretary of CDC. Institutional development proposals are discussed during the CDC meetings and decisions are made accordingly.

The principal oversees the college administration, aided by the vice principal and the IQAC coordinator, along with the heads of the departments, the librarian, the assistant director of physical education and sports, committee in-charges, and the office staff. The vice principal works with coordinators of subjects offered on a no-grant basis for the effective implementation of policies designed for the betterment of the students, while the IQAC coordinator supervises the effective implementation of IQAC initiatives and preparation of the AQAR.

Various college committees, comprising both teaching and non-teaching staff, handle the execution of decisions made by higher authorities. The institution adheres to the service regulations and recruitment and promotion policies set by the UGC, Government of Maharashtra, and RTM Nagpur University, Nagpur.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	<a href="https://mohotasci.edu.in/wp-content/uploads/2025/01/6.2.2-College-Organogram-AOAR-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2025/01/6.2.2-College-Organogram-AOAR-2023-24.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

## 6.3 - Faculty Empowerment Strategies

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

The institute prioritizes the welfare of its teaching and non-teaching staff by ensuring they receive all statutory leaves, such as average pay leaves, medical leaves and duty leaves for official duties and courses as and when required. Staff members are encouraged to attend and present research papers at conferences and seminars, with 20% of the registration fees reimbursed by the institute. There is also a group insurance policy for college employees. Those who make exceptional contributions towards the betterment of the institute and society in general are recognized with awards and certificates. The college has Employees' Credit Cooperative Society which offers affordable loans in the following categories:

- Regular loan (up to Rs 6 Lakh)

- Long-term loan (up to Rs 8 Lakh)
- Emergency loan (up to Rs 50,000)
- 'Jinnas' loan (up to Rs 1,00,000)

During the Annual General Meeting, the Credit Co-operative Society provides lunch, dividend cheque, and gift cards to its members. Furthermore, the college offers a Diwali festival advance of Rs 5,000/- to its non-teaching staff. Residential quarters are provided to the non-teaching staff members.

Additionally, a 'Grievances Redressal Cell' (<https://mohotasci.edu.in/wp-content/uploads/2024/12/Grievance-redressal-committee-2023-24.pdf>) is established for college employees to listen to their complaints and provide necessary support.

File Description	Documents
Paste link for additional information	<a href="https://mohotasci.edu.in/wp-content/uploads/2025/01/6.3.1-Welfare-measures-AQAR-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2025/01/6.3.1-Welfare-measures-AQAR-2023-24.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

7

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

#### **6.3.3.1 - Total number of professional development /administrative training Programmes**

**organized by the institution for teaching and non teaching staff during the year**

3

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)****6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

34

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

The institute uses an Annual Self Appraisal Report (ASAR) to document teaching, learning, evaluation activities, co-curricular and extension activities, social and professional development,



research, academic contributions, and administrative tasks, where teachers complete self-appraisal forms with supporting documents. Each employee's performance is assessed annually after one year of service, aiming to identify areas for improvement to promote growth.

#### For Teaching Staff:

- Performance is evaluated based on the Annual Self-Assessment Report (ASAR).
- Promotions under the UGC Career Advancement Scheme (CAS) rely on the API scores in the ASAR.
- The ASAR is reviewed by the Heads of Departments, IQAC Coordinator, and Principal.
- Faculty recommended for promotion based on their API scores must appear before the screening and selection committee of Rashtrasant Tukadoji Maharaj Nagpur University.

#### For Non-Teaching Staff:

- Assessed through annual Confidential Reports (CR).

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

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

The institution has established a thorough annual auditing process for financial transactions to ensure compliance with financial standards. To facilitate effective financial oversight, the institution categorizes its expenses into various budgetary components. Funding for the college is sourced from different avenues, including the University Grants Commission (UGC), various government agencies, and generous contributions from philanthropists and other stakeholders. The accounts department in collaboration with an external auditor—a Chartered Accountant—conducts timely audits and maintains accurate records, including receipts, vouchers, stock, and ledgers. The Principal and management closely monitor income and expenditure processes, holding regular meetings to allocate budgets effectively.

Key areas of the auditing and verification process include:

- Confirming the accuracy of all receipts and payments.
- Ensuring compliance with Tax Deducted at Source (TDS) regulations.
- Reconciling bank account transactions.
- Validating employee compensations through salary register checks.
- Assessing interest from investments.
- Verifying grants received for appropriate allocation.
- Accounting for miscellaneous income and receipts.

The audit for the academic session 2023-24 was performed by Mr. Sandeep Mundhada & Co., Chartered Accountants, Nagpur.

File Description	Documents
Paste link for additional information	<a href="https://mohotasci.edu.in/wp-content/uploads/2024/12/Audit-report-certified-by-the-CA-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2024/12/Audit-report-certified-by-the-CA-2023-24.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

The College Development Committee (CDC) and the Internal Quality Assurance Cell (IQAC) of the college discuss ways to mobilize funds and it is then finalized by the governing body of Nagpur Shikshan Mandal (NSM). Major sources of funding include support from both the government bodies and the NSM. The resource mobilization policy is aligned with the institution's goals and objectives while strongly emphasizing accountability and transparency. The CDC plays a pivotal role in coordinating and monitoring the effective utilization of funds, ensuring that resources are allocated toward strengthening a learner-centric environment. Resources are directed toward infrastructure development, new programs, seminars, cultural events, and sports activities, all aimed at fostering a learner-centric environment, etc.

Scholarships and freeships are available for eligible students, providing crucial financial assistance. Contributions from individuals and philanthropists are utilized as per their 'wish' for which the donations are received, further enriching our financial support landscape. The institutional scholarship fund specifically aids students who face financial difficulties and are not eligible for other scholarship opportunities. To uphold transparency and accountability, the institution conducts annual audits of its financial operations.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the

## quality assurance strategies and processes

The IQAC has a significant role in institutionalizing quality assurance strategies and processes. It focuses on delivering quality education through various initiatives. By adopting a comprehensive approach to quality enhancement, IQAC undertakes various activities that span various facets of the institution's functioning. IQAC is committed to improving the quality of teaching by systematically collecting and analyzing feedback from stakeholders, enabling targeted improvements based on their inputs. It also encourages faculty members to pursue funding from government and non-government agencies thus fostering an academic environment. Furthermore, the cell reviews Self-Appraisal Reports to assess and recognize performance by awarding them. At the beginning of each academic year, the IQAC collaborates with departments to outline academic calendar. This systematic approach ensures that all departments are aligned with institutional goals. Additionally, IQAC encourages faculty members participation in various developmental activities. One of the faculty members represents the Indian team as one of the mentors at IJSO held in Thailand, showcasing IQAC's encouragement for global engagement. Furthermore, IQAC with Training and Placement Cell, in collaboration with the Rotary Club of Ishanya Nagpur, has organized an empowerment drive benefiting over 300 students. These efforts highlight the IQAC's commitment to improving teaching quality and institutional development.

File Description	Documents
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiI6InQ1M2lWSittc0xJblZKOHIyQldqU1E9PSIsInZhbHVlIjoisXNEM1lNc1NqcDRvNkU4cVFxbCsxVVBVRVXd3UkJjMlRsbWY0eno5bkVuanZSeGhEMTh5bTZpNDQ5YjdkKTmZHCiIsImlhYyI6IjJmNjgwNTIwZjk1MzQxYTk2ZTclZDUwNGJkNzQxODhhMTM5YjBkNjk4NmRmMDYwMWI3ZjZkZDBjMzBkMmI1MzUiLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiI6InQ1M2lWSittc0xJblZKOHIyQldqU1E9PSIsInZhbHVlIjoisXNEM1lNc1NqcDRvNkU4cVFxbCsxVVBVRVXd3UkJjMlRsbWY0eno5bkVuanZSeGhEMTh5bTZpNDQ5YjdkKTmZHCiIsImlhYyI6IjJmNjgwNTIwZjk1MzQxYTk2ZTclZDUwNGJkNzQxODhhMTM5YjBkNjk4NmRmMDYwMWI3ZjZkZDBjMzBkMmI1MzUiLCJ0YWciOiIifQ==</a>
Upload any additional information	<a href="#">View File</a>

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

The IQAC ensures adherence to academic schedules to improve teaching quality. An induction program is taken to learn about the educational process, evaluation, courses, activities, and institute

culture. The IQAC actively promotes cross-disciplinary collaborations and knowledge exchange among the students and faculty members, encompassing academic, cultural, sports, and other areas. Activities are thoughtfully designed to achieve the specified learning outcomes. Feedback regarding faculty performance and teaching methods is systematically gathered and analyzed, allowing for targeted improvements. This structured approach ensures that insights gained from the feedback process can be utilized to identify specific areas for enhancement. This commitment to continuous improvement fosters an environment of excellence in education. Furthermore, to bridge the gap between academia and industry, numerous Memoranda of Understanding (MoUs) have been signed in consultation with the members of the IQAC invited for these specific purposes. Various activities are being conducted under these MoUs. Continuous improvement is ensured through regular reviews and upgradation of facilities like the library, ICT infrastructure, and physical resources, including laboratory equipment.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://mohotasci.edu.in/wp-content/uploads/2025/01/Annual-Report-AQAR-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2025/01/Annual-Report-AQAR-2023-24.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## 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

A women-centric WomenCell, working since last 18 years is dedicated to promote the well-being and empowerment of women.

#### Vision:

The cell envisions fostering awareness about women's rights and responsibilities within society, empowering them to become confident, self-reliant individuals and key contributors to nation-building.

#### Mission:

1. To promote an in-depth understanding of women's social, legal, and constitutional rights and responsibilities.
2. To raise awareness of the importance of enhancing women's overall health, with particular focus on reproductive well-being.
3. To maintain secure and joyful campus environment where women's rights are respected and upheld.
4. To provide counseling and support to female students facing academic or personal challenges.
5. To instill strong moral and ethical values among female students.

The Women's Cell organizes variety of activities, including guest lectures on various themes like legal awareness, prevention of sexual harassment, etc., skill development workshops, blood donation and health checkup camps, all aimed at realizing its vision and mission. These programs cover a broad spectrum of themes, such as women's empowerment, health and wellness, skill development, motivation, and support. Women cell members are also encouraged to attend gender sensitization workshops, seminars, etc.

File Description	Documents
Annual gender sensitization action plan	<a href="https://mohotasci.edu.in/wp-content/uploads/2025/01/7.1.1-Evidence-AQAR-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2025/01/7.1.1-Evidence-AQAR-2023-24.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://mohotasci.edu.in/wp-content/uploads/2025/01/7.1.1-Evidence-AQAR-2023-24.pdf">https://mohotasci.edu.in/wp-content/uploads/2025/01/7.1.1-Evidence-AQAR-2023-24.pdf</a>

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

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

**Solid Waste Management:**

The campus implements an effective system for managing both biodegradable and non-biodegradable waste. Multiple dustbins are strategically placed across corridors, laboratories, and offices to ensure proper waste segregation. Biodegradable waste is collected in specific bins and transferred to composting pits, where it undergoes natural decomposition and is eventually used as biofertilizer. Non-

biodegradable waste is managed through conventional disposal methods, typically by handing it over to the Municipal Corporation.

#### Waste Recycling System:

The campus promotes waste recycling through vermicomposting, utilizing farmyard manure (FYM) and leaf litter collected from the premises. Earthworms break down these materials, transforming biodegradable waste into environmentally friendly compost. The resulting vermicompost is nutrient-rich and contains growth hormones and beneficial microorganisms, making it an excellent soil conditioner. This compost is pure, free from contaminants, and is used for campus gardening, with any surplus being sold.

#### E- Waste management:

The E-waste is disposed off in a rightful way through an agreement signed with Suritex Pvt. Ltd. - which is an E-waste management company.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	<a href="#">View File</a>

**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
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	<a href="#">View File</a>



<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b>  <b>1.Restricted entry of automobiles</b> <b>2.Use of Bicycles/ Battery powered vehicles</b> <b>3.Pedestrian Friendly pathways</b> <b>4.Ban on use of Plastic</b> <b>5.landscaping with trees and plants</b>	<b>A. Any 4 or All of the above</b>
<b>File Description</b>	<b>Documents</b>
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	<b>No File Uploaded</b>
<b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b>	
<b>7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities</b>	<b>B. Any 3 of the above</b>
<b>File Description</b>	<b>Documents</b>
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<b>No File Uploaded</b>
Any other relevant information	<b>No File Uploaded</b>
<b>7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-</b>	<b>C. Any 2 of the above</b>

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

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

The college is committed of providing an inclusive environment to its stakeholders. Following initiatives are taken by the college to make the teaching - learning process inclusive with respect to cultural, regional, linguistic, communal, socio-economic and other diversities.

To reduce the gap between the rich and poor, the college has made uniform compulsory for UG/PG students as the students coming to the college are from different socio- economic backgrounds. The college has made dress code compulsory for the staff.

Many philanthropists dedicated prizes to the students only on the basis of merit and not on caste / creed / religion. Through the institutional merit scholarship, students not covered under any scholarship are benefitted.

Apart from English as official medium of instruction, all faculties use Marathi /Hindi in imparting subject knowledge and for communication to overcome linguistic barrier faced by students as and when required.

The institution actively promotes inclusivity by encouraging students to participate in a wide range of cultural and sports events at various levels. Through these endeavors, students celebrate diversity and cultivate respect for different cultures,

regions and backgrounds, fostering a harmonious and tolerant environment within the institution.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

The institution has taken proactive steps to instill a deeper understanding of constitutional obligations, values, rights, duties and responsibilities among both students and employees. Through a series of meticulously planned initiatives, such as commemorations of significant national events like Independence Day, Gandhi Jayanti, Constitution Day, National Voters Day, Republic Day, etc. students are provided with a platform for meaningful engagement and reflection.

These events serve as invaluable opportunities for students to delve into the rich constitutional heritage of India, fostering a sense of civic consciousness and responsibility. By actively participating in these observances, students not only gain a heightened awareness of their rights but also cultivate a profound appreciation for the duties incumbent upon them as responsible citizens.

Moreover, such sensitization initiatives contribute to the holistic development of students, equipping them with the knowledge and ethical framework of the society with integrity and empathy. They are also intended to inculcate a positive change in the mindset of the students towards the society and make them a responsible citizen.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts**

**B. Any 3 of the above**

**periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

The college frequently organizes national and international commemorative events to mark special occasions or themes, with the goal of raising awareness and inspiring action among both students and the general public. These events are graced by renowned professionals related to the theme as chief guests, who provide in-depth insights on relevant issues within their field of expertise. Students, along with teaching and non-teaching staff, actively participate in these inclusive events.

Some of the recurring events include College Foundation Day, Independence Day, Teachers' Day, Mahatma Gandhi Jayanti, Lal Bahadur Shastri Jayanti, Marathi Language Day, the birth anniversary of Jija Mata, International Women's Day, Republic Day, Mahatma Jyotiba Phule Jayanti, Shiv Jayanti, National Science Day, National Voter's Day, Youth Day, and World AIDS Day.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

**Practice Title: Catch them young**

- Objective:** Motivate school students for scientific temper through 'Jidnayasa'.
- Context:** Some students from Nagpur Municipal Corporation (NMC) schools having no exposure to science laboratory were given two days training.
- Practice:** Such students from lower economic strata were allowed to handle microscope and perform many biology experiments.
- Evidence:** There was exceptionally positive feedback from the students, who gained hands on experience by performing experiments and handle instruments.
- Problems:** Although the ideal duration for such workshop is about 30 - 40 days, academic limitations have restricted it to 2 days.

**Practice Title:Eco-friendly Ganesh Idol Visarjan**

- Objective:** To protect water bodies from contamination
- Context:** 'Ganesh' idol immersion in artificial water tanks erected in the college premises.
- Practice:** Members (students and teachers) of environment protection cell of this college in collaboration with NMC conduct this activity.
- Evidence:** About 80-90 idol immersions take place every year.

People from nearby area take advantage of this facility there by help in reduction of waterbody pollution.

5.Problems: Big size idols cannot be brought here. Idols of small and medium size can only be immersed.

File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3 - Institutional Distinctiveness

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

The college is committed towards socio-academic outreach and prioritizes holistic development of students with student-centric approach in planning and implementing initiatives. The institute emphasizes on hands-on training programmes for students as part of the participative and experiential learning.

Cycle Bank initiative was conducted by the college for the economically weaker students which also promotseco-friendly transportation.

Under the Science Popularization Initiative, a biology workshop, 'Jidnyasa' was organized for students from Municipal Schools, who performed experiments under guidance of the teachers and student volunteers. The volunteers learnt leadership and teaching skills, which enhanced their understanding of the scientific principles. The workshop connected students from diverse socio-academic backgrounds and promoted inclusivity.

Further, the teachers visited schools at Karanja (Lad) and Wanadongri to interact with school students on career opportunities in pure sciences and Olympiad examinations. Further, the volunteers visited Shri D. D. Nagar Vidyalaya, Nagpur and Champa as part of social outreach and converted conventional classrooms into more vibrant ones. Sci-Storm (a state-level seminar competition) was organized to connect students from different regions and promote inclusivity, foster knowledge exchange.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	<a href="#">View File</a>

### 7.3.2 - Plan of action for the next academic year

1. Expanding the college's infrastructure by building new classrooms and laboratories to support the introduction of new courses and additional sections for existing programs.
2. Upgrading laboratories to better support hands-on coursework and research activities.
3. Increasing the ICT facilities to improve the technological learning experience.
4. Installing solar-powered street lights throughout the campus and expanding the current solar power unit to reduce consumption of conventional energy.
5. Expanding the rainwater harvesting system to encourage sustainable water management practices.
6. Developing parking space for all vehicles including the cycles.
7. Expanding a biofertilizer unit and its production.
8. Creating a medicinal plant nursery at the college.
9. Increasing the number of cycles in the cycle bank at the institution to support economically disadvantaged students.
10. Proving seed money for enhancing and strengthening the research infrastructure in their respective departments.
11. To celebrate the platinum jubilee year of the college.