



YEARLY STATUS REPORT - 2022-2023

| Part A | |
|--|---|
| Data of the Institution | |
| 1.Name of the Institution | 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 |
| 2.Institutional status | |
| • Affiliated /Constituent | Affiliated |
| • Type of Institution | Co-education |
| • Location | Urban |

| • Financial Status | UGC 2f and 12(B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------|-----------------------|---------------|-----------------------|---------------|-------------|---------|----|-------|------|------------|------------|---------|---|------|------|------------|------------|---------|---|------|------|------------|------------|---------|----|------|------|------------|------------|
| • Name of the Affiliating University | RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Name of the IQAC Coordinator | Dr. VIJAY V. SOMAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Phone No. | 09822228348 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Alternate phone No. | 9011093421 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Mobile | 09822228348 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • IQAC e-mail address | iqac.smmcs@gmail.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Alternate Email address | vvsoman.naac@gmail.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.Website address (Web link of the AQAR (Previous Academic Year) | https://mohotasci.edu.in/weblinks-for-aqar-2020-21/ OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.Whether Academic Calendar prepared during the year? | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://mohotasci.edu.in/wp-content/uploads/2022/06/Academic-Calendar-2022-2023.pdf OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.Accreditation Details | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>21/02/2017</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 | 21/02/2017 | Cycle 4 | A+ | 3.26 | 2023 | 08/07/2023 | 07/07/2028 |
| 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 | 21/02/2017 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cycle 4 | A+ | 3.26 | 2023 | 08/07/2023 | 07/07/2028 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.Date of Establishment of IQAC | 01/11/2005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc., | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--|---------------|---------------------------|-----------------------------|----------|
| College | Salary Grant | Government of Maharashtra | 2022 | 92527761 |
| College | Medical Grant | Government of Maharashtra | 2022 | 1056635 |
| College | CHB Grant | RTM Nagpur University | 2022 | 2363200 |
| College | DA Arrears | Government of Maharashtra | 2022 | 5152810 |
| College | NSS Grant | RTM Nagpur University | 2022 | 65170 |
| 8. Whether composition of IQAC as per latest NAAC guidelines | | | Yes | |
| <ul style="list-style-type: none"> Upload latest notification of formation of IQAC | | | View File | OK |
| 9. No. of IQAC meetings held during the year | | | 2 | |
| <ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? | | | Yes | |
| <ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report | | | View File | OK |
| 10. Whether IQAC received funding from any of the funding agency to support its activities during the year? | | | No | |
| <ul style="list-style-type: none"> If yes, mention the amount | | | | |
| 11. Significant contributions made by IQAC during the current year (maximum five bullets) | | | | |
| Extension and social activities were conducted. | | | | |

Workshops and invited talks were arranged.

Career guidance and skill development programmes were conducted.

Students awareness programs were arranged to address some important issues like gender equity, environment protection among others.

Inhouse FDP was conducted to orient the newly appointed fourteen regular teachers for their career progression, work ethics, work culture, etc.

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

| Plan of Action | Achievements/Outcomes |
|--|---|
| <p>To encourage all departments to conduct career guidance, Excursion tour/ Guest lecture of Eminent Personalities</p> | <p>Throughout the year 2022-23, several activities in the academic and research realms took place. The period commenced with an online lecture on</p> |
| <p>To encourage students to participate in college, university and national level sports /NCC/NSS/Co-curricular activities</p> | <p>A multitude of impactful initiatives were undertaken to promote eco-friendliness, community welfare, and civic engagement. The activities commenced with an eco-friendly Ganesh Visarjan in the college during the first week of September 2022. Following this, fruit-bearing plants were distributed in the adopted village 'Champa' on 8th September 2022, along with donations of study materials under the Unnat Bharat Abhiyan. A significant seven-day NSS camp organized by the College NSS unit at the village of Champa from 22nd February 2023 to 28th February 2023 showcased a range of community-focused events. Starting with a village survey to understand local challenges, students engaged in various activities including a medical camp in partnership with Seva</p> |

Foundation and Swami Vivekananda Medical Mission, a Dental camp facilitated by Dr. Bhagat from City Dental Clinic, an expert lecture on legal aid, a Yoga Shibir session by Engineer Khonde, village cleaning drives, tree planting activities, and an extensive village awareness campaign on cleanliness. Additionally, a Voter Awareness Drive was conducted on the 13th National Voters Day on 25th January 2023, showcasing the college's commitment to nurturing environmentally conscious, engaged, and informed citizens. Students were encouraged to participate in various national level sports. Like in inter-collegiate Athletics organized by the university, our college students won a silver medal. Many laurels have also been obtained in sports events. .

Conducting various skill based Short-term Courses

Several skill-based short-term courses were conducted to equip individuals with specialized knowledge and expertise. The collaboration with MSME led to a comprehensive LED Bulb manufacturing program held from 10th November to 17th December 2022, providing participants with hands-on experience in this industry. A practical Workshop on detergent making took place on 18th and 19th November 2022, offering valuable insights and skills in this area. Moreover, a rigorous 90-day Training program on wastewater treatment plant industry, spanning from 22nd November to 13th March 2023,

catered to individuals looking to specialize in this critical field, providing in-depth training and practical knowledge essential for a career in wastewater management and treatment. From these courses, students acquired practical skills and knowledge to work in industries related to these fields and also improved career advancement opportunities in relevant industries.

Conducting various awareness programs for faculty members and students

A diverse range of educational and awareness activities were carried out. The series of events commenced with a guest lecture focusing on the eco rejuvenation of wasteland for the socio-economic development of rural areas on 4th October 2022. Subsequently, an awareness program aimed at educating the youth on common skin issues and misconceptions was conducted on 12th October 2022. A thought-provoking guest lecture shedding light on unknown freedom fighters in the Indian Independence movement took place on 12th November 2022, followed by a lecture on Digital Banking on 14th November 2022. Additionally, participants were enlightened about Retirement Planning and Other Financial Issues through a dedicated lecture on 16th November 2022. A programme centered around 'Beti Bacho Beti Padhao' was organized on 23rd November 2022 to advocate for the education and well-being of girls. Finally, to promote civic engagement, a voter awareness program was held

| | |
|--|--|
| | <p>on 25th January 2023. These events collectively aimed to enrich knowledge, raise awareness, and empower individuals in various aspects of personal, social, and civic life.</p> |
| <p>To encourage faculty members to participate in various conferences, symposium, workshop and seminar</p> | <p>Faculty members were actively encouraged and supported in their participation in various activities to enrich their academic and personal development. Faculty members were motivated to enhance their skills and knowledge through participation in events like the MS-DEED workshops on pedagogies and effective teaching, the NPTEL-AICTE Faculty Development Programme as well as UGC-Approved Short Term Professional Development Programme and an international conference on Computer Science and Information Technology displayed a commitment to staying updated with the latest educational trends. These endeavors not only fostered a culture of continuous learning and growth but also highlighted the institution's dedication to supporting and recognizing the accomplishments of its faculty.</p> |
| <p>To encourage collaborative activities</p> | <p>The collaborative activities were initiated to foster partnerships and enhance institutional capabilities. An MOU was signed for the disposal of e-waste showcasing the institution's commitment to sustainable waste management practices and environmental responsibility. Additionally, a</p> |

| | |
|---|---|
| | <p>MOU was established with NRSolutions4u. These collaborations highlight the institution's dedication to environmental stewardship.</p> |
| <p>To collect and analyze the feedback of students</p> | <p>Using Google Forms, feedback was collected to address concerns that emerged throughout the academic session. Using data analytics tools, feedback data was categorized and collated at the conclusion of the academic session in order to look for patterns and trends. The feedback analysis was then used to develop an action plan that would address areas that needed improvement and emphasize positive aspects. Eventually, the results and action plan were shared with the concerned stakeholders</p> |
| <p>To convey the details of IQAC meetings and the action taken report</p> | <p>The Internal Quality Assurance Cell (IQAC) conducted regular meetings to discuss and address various quality enhancement initiatives within the institution. These meetings involved reviewing feedback, analyzing institutional data, and formulating action plans to improve overall educational standards. Subsequently, an Action Taken Report (ATR) detailing the decisions made and steps taken as an outcome of the IQAC meetings was diligently compiled and uploaded onto the institutional website, ensuring transparency and accountability in the quality enhancement processes for stakeholders and the larger community to access and stay informed.</p> |

| | |
|---|--------------------|
| 13. Whether the AQAR was placed before statutory body? | No |
| <ul style="list-style-type: none"> Name of the statutory body | |
| Name | Date of meeting(s) |
| Nil | Nil |
| 14. Whether institutional data submitted to AISHE | |
| Year | Date of Submission |
| YES | 13/02/2024 |
| 15. Multidisciplinary / interdisciplinary | |
| <p>The institution implements the Choice Based Credit System (CBCS) and elective pattern prescribed by the university for postgraduate programs. Additionally, short-term courses are provided to broaden students' knowledge across various disciplines. Students have the liberty to choose from a range of courses to enhance their multidisciplinary skills. The curriculum emphasizes on enhancing practical knowledge through laboratory work, hands-on training, fieldwork, etc. Faculty members are involved in the development of new interdisciplinary courses endorsed by the NEP so as to enhance creativity, critical thinking, and problem-solving skills. The institution encourages students to pursue Skill Enhancement Courses (SEC) alongside their core subjects to improve their employability. By promoting the interdisciplinary collaborations and industry partnerships, the institution aims to offer high-quality multidisciplinary education as per the NEP's objectives.</p> | |
| 16. Academic bank of credits (ABC): | |
| <p>A significant feature of NEP-2020 is the introduction of the Academic Bank of Credit (ABC). The ABC promotes blended learning by enabling students to earn credits from different Higher Education Institutions (HEIs), as well as from online platforms like SWAYAM, NPTEL, etc. Students can acquire up to half of their credits from institutions other than the one where they are currently enrolled. Credits obtained through online courses SWAYAM, NPTEL, V-Lab, or recognized universities will also be eligible for credit transfer and accumulation. While the university is yet to implement credit banks, the ABC will be a digital repository storing students' credit information. The college plans to introduce the ABC soon, thereby</p> | |

allowing students to manage their credits and facilitating their lateral movement between different colleges or universities.

17.Skill development:

Our society today places a strong emphasis on skills, and our college is dedicated to equipping students with the necessary skills. We ensure that students are provided with versatile knowledge to stay connected with current and address life's challenges. The college consistently provides facilities for students to enhance their skills in alignment with evolving requirements, including through multi-skill development courses. These initiatives enhance students' readiness for the professional, skilled, capable and highly competitive world beyond the text books. We actively promote 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 such as soap and detergent manufacturing, water testing, LED manufacturing, etc.

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 emerging 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 weapons which were used at that time are on display and some *Shivakalin* martial art demonstrations are also exhibited by sports staff 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 uphold the goals of NEP by addressing local and national issues related to language and rich Indian culture. Communication / instructions are made through Hindi / Marathi also in the classroom.

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

As the New Education Policy (NEP -2020) emphasizes a shift towards skill-based learning to better equip students for future employment opportunities, there is a paradigm shift in the teaching approach to provide practical knowledge and develop students' analytical abilities. Thus attempts are being made that instead of mere disseminating theoretical concepts to the students, enhance their practical skills. The responsibility of designing the curriculum and

syllabus for all undergraduate programs lies with the affiliated university. Faculty members from various subjects at the college are a part of the Boards of Studies of the university. The courses and programs offered are designed to align with local, national, and global educational trends.

The Course Outcomes (CO) and Program Outcomes (PO) enhance educational effectiveness. The teaching practices are based on CO-PO which is a part of 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 of Program Outcomes, Course Outcomes, and Programme Specific Outcomes is conducted through both direct and indirect measures. Direct measures include 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. We are in the process of introducing distance education and online learning by partnering with open universities such like Yashwantrao Chavan Maharashtra Open University (YCMOU) and *Indira Gandhi National Open University (IGNOU)*. IGNOU has already designated Geology Department of our college as a hub for conducting Geology practical sessions. Furthermore, our college possesses the fundamental technological framework to facilitate online learning, encompassing fast internet connectivity. Our faculty employs platforms like Google Classroom and Google Meet for educational purposes.

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 | View File OK |

2.Student

2.1

1764

Number of students during the year

| File Description | Documents |
|---|------------------------------|
| Institutional Data in Prescribed Format | View File OK |

2.2

1352

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

| File Description | Documents |
|------------------|------------------------------|
| Data Template | View File OK |

2.3

512

Number of outgoing/ final year students during the year

| File Description | Documents |
|------------------|------------------------------|
| Data Template | View File OK |

3.Academic

3.1

55

Number of full time teachers during the year

| File Description | Documents |
|------------------|------------------------------|
| Data Template | View File OK |

3.2

78

Number of sanctioned posts during the year

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 | View File OK |

2. Student

| | |
|------------------------------------|------|
| 2.1 | 1764 |
| Number of students during the year | |

| File Description | Documents |
|---|------------------------------|
| Institutional Data in Prescribed Format | View File OK |

| | |
|--|------|
| 2.2 | 1352 |
| Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | |

| File Description | Documents |
|------------------|------------------------------|
| Data Template | View File OK |

| | |
|---|-----|
| 2.3 | 512 |
| Number of outgoing/ final year students during the year | |

| File Description | Documents |
|------------------|------------------------------|
| Data Template | View File OK |

3. Academic

| | |
|--|----|
| 3.1 | 55 |
| Number of full time teachers during the year | |

| File Description | Documents |
|------------------|------------------------------|
| Data Template | View File OK |

| | |
|---|------------------------------|
| 3.2 | 78 |
| Number of sanctioned posts during the year | |
| File Description | Documents |
| Data Template | View File OK |
| 4.Institution | |
| 4.1 | 19 |
| Total number of Classrooms and Seminar halls | |
| 4.2 | 110.26 |
| Total expenditure excluding salary during the year (INR in lakhs) | |
| 4.3 | 173 |
| Total number of computers on campus for academic purposes | |

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

As the college is affiliated with Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur it has to follow the academic calendar communicated by the university. Accordingly, college level calendar is prepared by the IQAC.

The Principal, Vice-Principal, IQAC Coordinator, HoD's approve the academic activities to be implemented during the session.

The HoD's conduct meetings at their departments to decide department level activities. Their activities are in line with those prepared by IQAC. HoD's distribute the syllabus and workload to the staff members.

The academic time table is set as per the university guidelines and directions received.

Continuous evaluation is carried out through unit tests/ home

assignments/ homework, etc.

The college formed various subject societies in which various programmes have been conducted to give additional exposure to the students in curricular and co-curricular activities.

Subject related field visits / industrial visits, and excursions are also arranged.

Bridge course has been implemented before commencement of the regular classes of B.Sc. Semester I.

For effective implementation of curriculum, a proper feedback mechanism is in place.

| File Description | Documents |
|-------------------------------------|------------------------------|
| Upload relevant supporting document | View File OK |
| Link for Additional information | Nil |

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

CIE is a very important component of Outcome-Based Education(OBE)which is in alignment with theNational Education Policy 2020. CIE plays a very significant impact on the quality of education for the students. The teachers conduct CIE, where various strategies are employed.

The respective subject teachers evaluate the students on parameters that are pre-informed. Some of these parameters include punctuality and attendance, performance in unit tests and terminal examinations, home assignments, surprise tests, open book test, oral tests, seminars, and problem-solving, etc.

The performance of the student in tests or assignments is conveyed so that further improvement can be achieved. The students further seek guidance from the respective teachers for improving their academic performance. Apart from this, one-to-one interactions during theory and practical, either online or offline, are employed whereby the students' understanding of a particular topic is gauged.

The strategies employed by the teachers have paved the way for

evaluating the students throughout the session and enhancing the academics of the students.

| File Description | Documents |
|-------------------------------------|------------------------------|
| Upload relevant supporting document | View File OK |
| 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 | View File OK |
| Any additional information | View File OK |

1.2 - Academic Flexibility

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

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

6

| File Description | Documents |
|---|------------------------------|
| Any additional information | View File OK |
| Minutes of relevant Academic Council/ BOS meetings | No File Uploaded |
| Institutional data in prescribed format (Data Template) | View File OK |

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)**

2

| File Description | Documents |
|---|------------------------------|
| Any additional information | View File OK |
| Brochure or any other document relating to Add on /Certificate programs | No File Uploaded |
| List of Add on /Certificate programs (Data Template) | View File OK |

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

55

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

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

The college is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and follows the curriculum designed by the university. The curriculum indirectly touches the crosscutting issues. Environmental Studies has been introduced in the second-year curriculum at 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, ecosystems, human population and environment, biodiversity, pollution, social issues and the environment. Not restricting the students only to theory, the Environment Protection Cell (EPC) regularly organizes talks by experts to celebrate important days like World Earth Day, World Forest Day. To further create awareness among students about the newest development in life science the talk like

'Reintroduction of Cheetah in India' was also organized. Similarly the EPC also initiates in arranging Eco-friendly Ganesh Visarjan aiming at creating awareness about the hazards of immersing Ganesh idols in lakes during Ganesh festival. The institute also encourages the field activities like 'Nature walk and Butterfly monitoring' to develop scientific foster in the students. The institute has also taken initiatives in organizing program on gender equality to make students understand it importance.

| File Description | Documents |
|---|------------------------------|
| Any additional information | View File OK |
| 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

7

| File Description | Documents |
|--|------------------------------|
| Any additional information | View File OK |
| Programme / Curriculum/ Syllabus of the courses | View File OK |
| 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 |
| Institutional Data in Prescribed Format | View File OK |

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

463

| File Description | Documents |
|---|------------------------------|
| Any additional information | No File Uploaded |
| List of programmes and number of students undertaking project work/field work/ /internships (Data Template) | View File OK |

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

B. Any 3 of the above

| File Description | Documents |
|---|---|
| URL for stakeholder feedback report | https://mohotasci.edu.in/wp-content/uploads/2024/05/1.4-AOAR-22-23-Curriculum-feedback-from-stakeholders.pdf |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management | No File Uploaded |
| Any additional information | View File |

OK

OK

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 | View File OK |
| URL for feedback report | https://mohotasci.edu.in/wp-content/uploads/2024/05/1.4-AOAR-22-23-Curriculum-feedback-from-stakeholders.pdf OK |

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

1764

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

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

1504

| File Description | Documents |
|---|------------------------------|
| Any additional information | No File Uploaded |
| Number of seats filled against seats reserved (Data Template) | View File OK |

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 applying for admission in the college come from various socioeconomic backgrounds. The admission committee members counsel students to choose subject combinations to pursue based on their XII scores and the future prospects of the subject. Faculty members assess the students academic performance using one or more methods, including assignments, unit examinations, presentations, viva voce and questions and answers during lectures/practicalalso. Academically weak students are helped at personal level for difficultiy solving. If required, they are also provided reading materialand important question banks on certain critical topics by some faculty members in the relevant disciplines, also shared links of YouTube videos that cover the fundamental concepts of the subjects with their academically weak learners. Using online platforms like Google Classroom and WhatsApp groups, teachers were available to students individually and in groups to assist and solve their problems about the subjects being studied. The academically strong students were motivated to prepare for competitive examinations at the state and national levels, such as JAM, NET, and SET. They were also encouraged to partcipate in students seminar and other competitions.

| File Description | Documents |
|---------------------------------------|------------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File OK |

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

| Number of Students | Number of Teachers |
|--------------------|--------------------|
| 1746 | 55 |

| File Description | Documents |
|----------------------------|------------------------------|
| Any additional information | View File OK |

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

To support students holistic development the institution has been implementing a student-centric approach to teaching-learning process. Bridge and short-term skill-based courses were offered by the college. To bring students up-to-date with current scenario in their subjects, and to spread awareness of environmental and social issues regular guest lectures were also organized. In order to acquire a better understanding of the subject, students were encouraged to participate in debates, seminar competitions, and quizzes. This approach to participative learning has aided the institute in imparting responsibility for society and the environment together with a scientific temper. Well-established facilities like beekeeping, vermicomposting, botanical shed house, and circuit board design are available at the college. The college assigns projects to postgraduate students as an additional means to further encourage experiential learning. The students learned how to approach a question specifically through these projects, as well as how to choose which methods were most appropriate to solve particular challenges. Furthermore, workshop on detergent and soap preparation, and hand sanitizer was conducted for the students. The college has provided the essential facilities, such as smart boards, ICT rooms, well-equipped laboratories, a library, and sports facilities, to facilitate experiential and participative learning.

| File Description | Documents |
|-----------------------------------|------------------------------|
| Upload any additional information | View File OK |
| 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

College teachers have made effective use of ICT tools and many other freely available e-resources. For communication, the college website, WhatsApp, and email accounts were used. The LMS utilized by the college faculty was Google Workspace. This LMS's Drive, Calendar, Classroom, Forms, Meet, Sheets, Docs, and Jam board were used to collect information, organize lectures, record attendance, conduct examinations, share resource material, and arrange guest lectures. In addition, Zoom, Microsoft Teams, Google Meet were used to provide instruction. MS Office tools were utilized to prepare and share the resource material. YouTube videos were used effectively in the classroom. The INFLIBNET N-list, MOOCs, open source e-books and e-journals, animations, e-dictionaries, glossaries, e-flora, e-atlas, multimedia resources from YouTube, etc., and bioinformatics databases were employed to facilitate effective learning. The college has a comprehensive collection of electronic resources and CDs. Furthermore, the college has a well-developed infrastructure in the form of laptops, computers, internet access (both wired and wireless), smart boards, and LCD projectors.

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

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

23

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

2.4 - Teacher Profile and Quality

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

55

| File Description | Documents |
|--|------------------------------|
| Full time teachers and sanctioned posts for year (Data Template) | View File OK |
| Any additional information | No File Uploaded |
| List of the faculty members authenticated by the Head of HEI | View File OK |

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

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

253

| File Description | Documents |
|--|------------------------------|
| Any additional information | No File Uploaded |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | View File OK |

2.5 - Evaluation Process and Reforms

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

The internal assessment (IA) is continuously done by the teachers in each semester. The assessment has helped to improve the performance of students. IA has also reduced the pressure felt by them during their final exams. It also provides an opportunity to the teachers to evaluate the preparedness of students and find out their weaknesses. Internal assessment is carried out through submission of assignments, unit tests and terminal exams in each semester. The performance of the students in these exams is conveyed to them. Teachers then advice the students on how to improve their performance if they are not doing well in specific areas. This enhances the interest of students regarding their studies and also builds their confidence. In this manner, the mechanism of internal assessment adopted by the college is both transparent and robust. Some teachers have conducted online problem solving test/surprise test/open book test, etc

| File Description | Documents |
|---------------------------------|---------------------------|
| Any additional information | View File |
| Link for additional information | Nil |

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

Unit tests and semester end exams are used for internal assessment of students. These tests are regularly conducted by faculty members during each semester. This helps the students to study on a regular basis and increases their confidence with respect to final exams.

The papers of internal exams are evaluated by subject teachers in

a time-bound manner. The marks obtained by the students in these tests are conveyed to them within a week from the date of the test.

In order to ensure transparency and efficiency in internal exams, any grievances of students regarding their internal exam marks and performance are readily listened to by respective subject teachers and appropriate action is taken to eliminate the grievance.

At the end of each semester, internal assessment marks are awarded to the students based on their attendance, submission of assignments and performance in internal exams. These internal marks are uploaded on the affiliating university website.

| File Description | Documents |
|---------------------------------|------------------|
| Any additional information | No File Uploaded |
| Link for additional information | Nil |

2.6 - Student Performance and Learning Outcomes

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

The following mechanism is applied for communicating programme outcomes, programme specific outcomes and course outcomes to teachers and students regarding all undergraduate and postgraduate courses run by the college:

- The details of course outcomes, programme outcomes and programme specific outcomes are prominently displayed on the college website for the perusal of teachers and students.
- Hard copies of syllabi are available in every college department for ready reference by teachers and students.
- The importance of programme and course outcomes is conveyed to teachers during college committee meeting.
- At the beginning of the teaching session, teachers convey the significance of learning outcomes to students and encourage the students to attain them.

| File Description | Documents |
|---|--|
| Upload any additional information | No File Uploaded |
| Paste link for Additional information | http://mohotasci.edu.in/wp-content/uploads/2020/10/POs-PSOs-and-COs-compressed.pdf OK |
| Upload COs for all Programmes (exemplars from Glossary) | View File OK |

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

For the realization of programme outcomes and course outcomes, the college diligently follows the college calendar based on the academic calendar of R.T.M. Nagpur University. Internal evaluation of the academic performance of students is done through various means such as unit tests, semester end exams, submission of assignments, seminars and project work. This helps in the attainment of programme and course outcomes.

At the end of each semester, feedback is received from students, which helps to identify areas for improvement.

The results of university exams are evaluated by the college with the help of faculty members. The performance of students in each course and subject is evaluated. This helps to identify whether program and course outcomes have been achieved.

The performance of students of both undergraduate and postgraduate courses in university exams as evaluated by the college is good, and hence, programme outcomes and course outcomes have been attained in a satisfactory manner.

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

2.6.3 - Pass percentage of Students during the year

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

241

| File Description | Documents |
|--|--|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | View File OK |
| Upload any additional information | No File Uploaded |
| Paste link for the annual report | https://mohotasci.edu.in/wp-content/uploads/2024/05/2.6.3-Annual-reports/AOAR-2022-23.pdf OK |

2.7 - Student Satisfaction Survey

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

<https://mohotasci.edu.in/wp-content/uploads/2024/05/2.7.1-AOAR-22-23-Student-Satisfaction-Survey-2022-23.pdf>

OK

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

0

| File Description | Documents |
|---|------------------------------|
| Any additional information | No File Uploaded |
| e-copies of the grant award letters for sponsored research projects /endowments | No File Uploaded |
| List of endowments / projects with details of grants(Data Template) | View File OK |

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

3.1.2.1 - Number of teachers recognized as research guides

16

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

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

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

0

| File Description | Documents |
|---|---------------------------|
| List of research projects and funding details (Data Template) | View File |
| Any additional information | No File Uploaded |
| Supporting document from Funding Agency | No File Uploaded |
| Paste link to funding agency website | Nil |

3.2 - Innovation Ecosystem

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

- The college encourages the faculty members to participate in research activities and hence there are a good number of research publications, a few of them with very decent impact factor.
 - A good number of students have registered for Ph.D. programs.
 - The management of the college, through its corpus, has taken some initiatives for creation and transfer of knowledge among the faculties to have academic interactions as mentioned in the following points 1 to 5.
1. For faculty publishing research paper in International / National journals, 20 % of fees would be borne by the college.
 2. For faculty presenting research paper in local conferences/Seminars and Workshops, 20% of registration fees

would be reimbursed by the college.

3. For faculty filing national/ international patents, their patent filing registration fees 50 % would be borne by the college.
 4. For faculty delivering a talk in national/ international conference as a resource person, their expenses to the tune of ₹ 5,000/- to ₹ 10,000/- would be borne by the college.
 5. Registration in Professional Bodies: 20 % of fees would be borne by the college.
- The college has signed MOUs with some organizations for availing their facilities and exchange of ideas.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | https://mohotasci.edu.in/wp-content/uploads/2024/05/3.2.1-AQAR-22-23-Evidence.pdf |

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

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

1

| File Description | Documents |
|--|------------------------------|
| Report of the event | View File OK |
| Any additional information | No File Uploaded |
| List of workshops/seminars during last 5 years (Data Template) | View File OK |

3.3 - Research Publications and Awards

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

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

18

| File Description | Documents |
|--|--|
| URL to the research page on HEI website | https://mohotasci.edu.in/# OK |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | View File OK |
| Any additional information | No File Uploaded |

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

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

4

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

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

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

3

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

3.4 - Extension Activities

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

The college has initiated various activities to sensitize students on different social issues such as social skills training, organizing programmes on gender related issues, cleanliness drive,

health awareness campaign, etc.

As the college has a huge open space, it was thought to organize Eco-friendly Ganesh Idol Visarjan (emersion of Ganesh Idol in artificial water tank) in the college premises. The college Environment Protection Cell (EPC) and National Service Scheme (NSS) unit of the college in collaboration with the Nagpur Municipal Corporation (NMC) conducted this activity from 1 to 10 Sep. 2022. A briefing meeting was conducted for the student volunteers by EPC. Students actively took part in a door-to-door campaign in addition to the visarjan drive, which was designed to inform the local community about eco-friendly visarjan and encourage them to use this facility on campus. A data sheet to record the procedure was given to the students.

This activity helped the students to learn and how to develop a strong relationships with the local community, local administration, citizens of the nearby society and at the same time explore their full potential.

| File Description | Documents |
|---------------------------------------|------------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File OK |

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

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

0

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| Number of awards for extension activities in last 5 year (Data Template) | View File |
| e-copy of the award letters | No File Uploaded |

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

community and NGOs) during the year

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

2

| File Description | Documents |
|--|------------------------------|
| Reports of the event organized | View File OK |
| Any additional information | No File Uploaded |
| Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template) | View File OK |

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

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

31

| File Description | Documents |
|--|------------------------------|
| Report of the event | View File OK |
| Any additional information | No File Uploaded |
| Number of students participating in extension activities with Govt. or NGO etc (Data Template) | View File OK |

3.5 - Collaboration

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

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

4

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

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

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

2

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The college has all the infrastructure facilities to provide higher education as per the requirements and modifies the budget every year according to its vision and objectives. The college spends on infrastructure and academic development as per the requirements. It is reflected from the tabulated sheet of expenses and audited sheet that the amount utilized for infrastructure development is Rs. 59,39,321.00, amount spent on maintenance of physical facilities is Rs. 27,50,805.00 and amount spent on maintenance of academic facilities is Rs. 23,36,462.00.

College has purchased equipment, instruments and necessary laboratory facilities including maintenance of computers so that

the students are always benefitted. The college has enough well equipped classrooms / laboratories - some with LCD projectors and smart boards.

The laboratories are sufficiently equipped 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 with necessary modifications. The internet facility is well maintained so as to provide an uninterrupted Wi-Fi throughout the college. The college library is kept updated with computers, books, periodicals, journals, etc. The college also upgrades the computers and computer laboratory.

| File Description | Documents |
|---------------------------------------|--|
| Upload any additional information | View File OK |
| Paste link for additional information | https://mohotasci.edu.in/wp-content/uploads/2024/05/AQAR-22-23-CA-statement.pdf OK |

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 takes care of the indoor and out-door sport activities. The college has well equipped gymnasium, play-ground of 5.28 acre with 400 meter running track and facilities for athletics. A green gymnasium is also available on the college ground. As a gesture, ground is kept open for nearby citizens for morning and evening walk, running, to practice yogan and to practice many other physical outdoor exercises. Many citizens take the advantage of the ground and the green gymnasium.

The participating and award winning students are duly recognized and awarded certificates, track suits, medals on the Republic Day program. The college has auditorium hall (by combining room number 1 and 2 - capacity of about 250), room number 3 (with capacity of about 120) and an open air stage is also available for cultural and social activities. The training in the cultural activity is given by a member of non-teaching staff who has a keen interest in training the students in all cultural events. The students have bagged honours in various sports and cultural at various levels.

| File Description | Documents |
|---------------------------------------|------------------------------|
| Upload any additional information | View File OK |
| 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.

19

| File Description | Documents |
|---|------------------------------|
| Upload any additional information | View File OK |
| Paste link for additional information | Nil |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File OK |

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)

59.39

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

4.2 - Library as a Learning Resource

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

The college library has the following automation software.

1. Name of the ILMS software: Libman.

This is a fully integrated, Multi User Package for the complete automation (computerization) of Library functioning. It is powerful and easy to use system. The software is developed after the consultation with several senior librarians who have automated the libraries having books strength as high as 3.5 lacs books. This system is having Modules such as Acquisition, Cataloguing, Circulation, OPAC on-line Public Access Catalogue, Serial Controls. Acquisition module deals with selection and ordering of library materials, bills/invoice processing, Accessioning, processing bills of payment and payment details entry. Libman Cataloguing is based on AACR2 standards. We can enter/update details at the time cataloguing. Journals/ Periodicals section functioning is computerized in the serial controls module of libman software.

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

3. Version: 3.9

4. Year of automation: 2010

| File Description | Documents |
|---------------------------------------|------------------------------|
| Upload any additional information | View File ok |
| 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 | No File Uploaded |
| Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template) | View File |

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

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

1.41

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

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

17636

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

4.3 - IT Infrastructure

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

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. We update and upgrade IT facilities including Wi-Fi. There are total 213 computers, 22 printers, 12 projector, 14 wall mounted projectors, 2 rooms with smartboard. 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,etc. for teaching - learning and evaluation. The entire

campus is covered under camera surveillance for safety purpose.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

4.3.2 - Number of Computers

213

| File Description | Documents |
|-----------------------------------|------------------------------|
| Upload any additional information | No File Uploaded |
| List of Computers | View File OK |

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

| File Description | Documents |
|--|------------------------------|
| Upload any additional Information | View File OK |
| Details of available bandwidth of internet connection in the Institution | View File OK |

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)

50.87

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

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

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. It is supervised by the management. In the meetings of CDC, IQAC & head of the departments and various committees various issues are discussed.

The record of laboratory purchase, expenses are maintained in stock books. The instruments and equipment are regularly cleaned and maintained.

The 'Library Advisory Committee' reviews the needs of the library. 'No dues' from the library is mandatory for students and staff. Weeding out of old titles is decided by the library committee.

Software and hardware has been 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 has its own sports ground that is maintained and upgraded regularly with the help of the ground staff.

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 | No File Uploaded |
| Paste link for additional information | https://mohotasci.edu.in/wp-content/uploads/2024/05/AQAR-22-23-CA-statement.pdf OK |

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

883

| File Description | Documents |
|---|------------------------------|
| Upload self attested letter with the list of students sanctioned scholarship | View File OK |
| Upload any additional information | No File Uploaded |
| Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template) | View File OK |

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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

31

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

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

B. 3 of the above

| File Description | Documents |
|---|------------------------------|
| Link to Institutional website | Nil |
| Any additional information | View File OK |
| Details of capability building and skills enhancement initiatives (Data Template) | View File OK |

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

0

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

0

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student

A. All of the above

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

| File Description | Documents |
|--|------------------------------|
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | No File Uploaded |
| Upload any additional information | View File OK |
| Details of student grievances including sexual harassment and ragging cases | View File OK |

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

10

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

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

23

| File Description | Documents |
|--|------------------------------|
| Upload supporting data for student/alumni | View File OK |
| Any additional information | No File Uploaded |
| Details of student progression to higher education | View File OK |

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

04

| File Description | Documents |
|--|------------------------------|
| Upload supporting data for the same | View File OK |
| Any additional information | No File Uploaded |
| Number of students qualifying in state/ national/ international level examinations during the year (Data Template) | View File OK |

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.

1

| File Description | Documents |
|--|------------------------------|
| e-copies of award letters and certificates | No File Uploaded |
| Any additional information | View File OK |
| Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template) | View File OK |

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 students actively take part in various activities with the following objectives: 1) To develop cordial relations among the students, teachers, principal and non-teaching staff members. 2) To stimulate the functioning of various committees. 3) The students participate in inter and intra college level events. 4) To act as a catalyst for the noble cause of nation building by working together. 5) To inculcate brotherhood. 6) Students of the institution play important role in various committees such as anti-ragging committee, IQAC, college annual magazine committee, internal complaints committee. The students are motivated to participate in these activities by the respective activity coordinator. They are also guided and monitored in all these academic, cultural, and social activities. The students also participated in IQAC, which gives valuable suggestions and feedback, on the basis of which necessary and corrective steps are undertaken. Some students work as volunteers to promote various initiatives undertaken by the college.

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

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

24

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

5.4 - Alumni Engagement

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

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). Association has 316 enrolled alumni, who are renowned personalities in various fields. 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. Prominent alumni of the college are invited for sharing their experiences and motivating the current students. The alumni association had performed various cultural and social activities in the college. The alumni representative in IQAC of the college has provided some important inputs in the development of the college. The alumni association during its executive meeting discusses various plans and activities to be carried out. The details of alumni association are also available at the college website <https://mohotasci.edu.in/> under the tab Alumni.

| File Description | Documents |
|---------------------------------------|--|
| Paste link for additional information | https://mohotasci.edu.in/ OK |
| Upload any additional information | View File OK |

5.4.2 - Alumni contribution during the year D. 1 Lakhs - 3Lakhs

(INR in Lakhs)

| File Description | Documents |
|-----------------------------------|------------------------------|
| Upload any additional information | View File OK |

GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 - Institutional Vision and Leadership**

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

The core of the college's vision and goal is to create a workforce that is knowledgeable, intelligent, industrious, cultured, skilled, patriotic, and ecologically conscious in order to meet the needs and problems of the nation today and in the future. In order to create such a well-groomed workforce, the college is committed to academic excellence in teaching, learning, research, environmental awareness, a sense of patriotism, and society that supports honesty, openness, and responsibility.

There is a participative management in the working of the college at all levels. The CDC, principal, vice principal, department Heads, IQAC and various committees play a significant role for the implementation and execution of initiatives. The IQAC is the point of contact between the departments, the principal, and the administration.

The institution hosted extracurricular, sports, cultural, and academic activities to support the overall growth of both faculty and students. Departments receive financial support and persistent encouragement to organize student-beneficial events. They were attended by students under the supervision of faculties.

| File Description | Documents |
|---------------------------------------|--|
| Paste link for additional information | https://mohotasci.edu.in/vision-mission/ OK |
| Upload any additional information | View File OK |

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

The Principal, Vice Principal, and College Development Committee (CDC) Department Heads, IQAC, ensure to implement the policies of the effectively. A critical first step in decentralizing work is the creation and functioning of committees, as well as participative management. The committees are empowered to operate and provide decisions within the parameters of the regulations. The Principal and Vice-Principal supervise the committees' activities. On the student corner of the college website, list of committees that hold significance for students are displayed. The Principal, Vice-Principal, Heads, or Coordinators of the departments have been given departmental-level autonomy over the teaching strategy, distribution of the timetable, administration of internal exams, activities of departmental societies, and other matters. The expenses for major developments are carried out by principal with the prior approval of the management. The departments are also given the ability to make purchases for incidentals. The departments are financially sponsored and encouraged to organize various activities for the students benefit. The principal has permitted the faculties of various committees to take the necessary steps for the effective execution of policies.

| File Description | Documents |
|---------------------------------------|------------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File OK |

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

This college is considered as one of the best colleges in terms of transparency and integrity at every stage of working. The forward-thinking approach, meticulous planning and execution in its institutional strategies and perspective planning is the key of its progress graph.

The perspective plan goes hand in hand with the vision and mission of the institution. The plan focuses on the following key aspects.

1. Curricular aspects and implementation
2. Research and extension activity
3. Infrastructure upgradation
4. Governance and management

Accordingly at the basic level the college administration puts in sincere efforts to ensure the following:

1. Effective Teaching and evaluation
2. Effective Leadership at all levels
3. Participative management and effective governance
4. Student's holistic development
5. Employees progress & welfare
6. Providing help for placements and progression
7. Women /student / faculty grievance redressal
8. Transparent and effective financial planning & management
9. Promote research, entrepreneurship, extension activities.

| File Description | Documents |
|--|------------------------------|
| Strategic Plan and deployment documents on the website | View File OK |
| Paste link for additional information | Nil |
| Upload any additional information | View File OK |

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.

Nagpur Shikshan Mandal (NSM) governs the college. It is led by the President and includes vice-president, secretary and executive members. The College Development Committee (CDC) is the college's highest-level body, and it is formed as per the norms and regulations issued by the UGC from time to time. The President of the NSM serves as its chairman, while the Principal serves as its secretary. All institutional development suggestions are submitted, addressed, and decisions are made in this body democratically following a healthy debate among all of its members. The principal is in charge of the administrative setup. He is supported by a Vice Principal who is also the IQAC coordinator, department heads, a librarian, and an office superintendent.

To help the principal, vice principal assesses the work of all PG coordinators and non-grant subject coordinators. The NAAC coordinator assists the principal and the IQAC coordinator to prepare AQAR. Members of both teaching and non-teaching personnel serve on several college committees. These committees oversee the execution of academic and administrative decisions made by higher-level decision-making organizations. The institution closely

adheres to the service regulations, processes, recruitment of staff, and promotion policies established by the UGC, Maharashtra government, and RTM Nagpur University.

| File Description | Documents |
|---|--|
| Paste link for additional information | Nil |
| Link to Organogram of the institution webpage | https://mohotasci.edu.in/wp-content/uploads/2024/05/6.2.2-AQAR-22-23-Organogram.pdf OK |
| Upload any additional information | View File OK |

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

A. All of the above

| File Description | Documents |
|--|------------------------------|
| ERP (Enterprise Resource Planning) Document | View File OK |
| Screen shots of user inter faces | View File OK |
| Any additional information | No File Uploaded |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | View File OK |

6.3 - Faculty Empowerment Strategies

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

The college has concern for the welfare of its entire staff and thus employees are entitled to all statutory leaves, including average pay leaves, medical leaves, and duty leaves for meetings and official purposes. Attendance and presentation of research papers at conferences and seminars are encouraged, and registration costs are partially covered by the college, for which a policy document is in place. Employees are provided with an accidental coverage and group insurance. Staff members are felicitated in recognition of their outstanding contributions.

The College has a Credit Co-operative Society that provides

affordable loans, classified as follows:

- Regular loan (Rs 6 Lakh)
- Long term loan (Rs 8 Lakh)
- Emergency loan (Rs 0.5)
- 'Jinnas' loan (Rs 1 lakh)

On the day of the Annual General Meeting (AGM), the Credit Co-operative organization provides lunch for all of its members in addition to dividend checks and gift cards. Additionally, this college has a policy that allows its non-teaching staff to get a Diwali festival advance of Rs. 4,000. Quarters for staff are also available in the premises of Nagpur Shikshan Mandal.

Cells like grievances redressal, women cell, ICC, RTI, are also available to college employees.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://mohotasci.edu.in/wp-content/uploads/2020/12/Welfare-measures-for-staff-Mohota.pdf |
| Upload any additional information | View File OK |

OK

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

1

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

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**1**

| 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 | View File OK |
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template) | View File OK |

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****19**

| File Description | Documents |
|---|------------------------------|
| IQAC report summary | View File OK |
| Reports of the Human Resource Development Centres (UGCASC or other relevant centers) | View File OK |
| Upload any additional information | No File Uploaded |
| Details of teachers attending professional development programmes during the year (Data Template) | View File OK |

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

The institute has appraisal system, Annual Self Appraisal Report (ASAR). This report documents teaching, learning and evaluation activities, co-curricular, extension, social and professional development activities, research, academic contributions, and administrative responsibilities. A well formulated draft of performance appraisal form is filled by the teaching staff. It is then submitted to the Head of the Department and finally to the Principal every year. The ASAR report is also endorsed by the IQAC coordinator. The confidential report of teaching and non-teaching staff is routed through the Head of the departments and then finally endorsed by the principal. Mostly, necessary oral instructions are sufficient to the faculty or the non-teaching staff for further improvement. The CR and ASAR tabs are available at the college website: <https://mohotasci.edu.in> under the heading Management.

| File Description | Documents |
|---------------------------------------|--|
| Paste link for additional information | https://mohotasci.edu.in OK |
| Upload any additional information | No File Uploaded |

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 expenses are classified as budgetary components by the institution. UGC, various government organizations, philanthropists, and others provide funds/grants to the college. The account department of the college and an external auditor (Chartered Accountant) conduct timely checks. Receipts, vouchers are properly maintained. Stock and ledger books are kept up to date. Appropriate procedures are followed for all purchases. The principal and management keep close tabs on the income and expenditure process. Management and Principal conduct meetings to decide budget allocation.

Auditing and verification are done on the following aspects:

- Verification of all receipts and payments.
- verification of TDS
- verification of all bank accounts
- verification of salary register
- verification of interest earned on investments

- verification of grant received(salary and non-salary)
- verification of miscellaneous and other income and receipts

The audit was carried out by Mr. Sandeep Mundhada & Co. Chartered Accountants, Nagpur - for the session 2022- 23.

| File Description | Documents |
|---------------------------------------|------------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File OK |

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)

0.51

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

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

Through its administration and the CDC, the institution has a well-planned, well-formulated, and transparent financial management system. The college's primary funding sources are the government and management. The resource mobilization policy focuses on achieving the institution's goals and targets while maintaining accountability and openness. The CDC oversees and monitors the best use of funding for the advancement of a learner-centric environment. Funds are granted to support the institution's fundamental infrastructural needs while launching new programs and courses. Seminars/workshops/expert talks/Association activities/faculty development programs are financially supported by management. Studentextracurricular activities are crucial in their personal development, hence enough funding is provided for cultural activities. Sportsare equally important in developing an

individual and are given proper credit. Scholarships and freeships are given to the eligible students. Grants from individuals and philanthropists are used according to their preferences. The institutional scholarship fund is especially beneficial to financially disadvantaged students who do not have other scholarships. Government finances are utilized for the purpose for which they were received. A yearly audit ensures transparency and accountability.

| File Description | Documents |
|---------------------------------------|------------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File OK |

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

For the enhancement of quality education, the IQAC has made every attempt to:

1. Enhance quality of teaching by regular inputs to all concerned based on feedback from students.
2. To streamline human resource in the administration
3. Provide better services to students and staff.

Student's mentoring, Parent- Teacher meets are also organized.

IQAC encourages and supports faculty members to participate in orientation, refresher courses, workshops, seminars and conferences related to the teacher-learning process and research.

Teachers with Ph.D. are also encouraged and motivated to act as research guides for the research scholars. Teachers are allowed to participate in university related work.

The college also provides platform for the students to participate in Intra- College and Inter -College level debates, competitions, seminars, etc.

Several skill enhancement ability courses have been introduced for various subjects and students are free to choose any one as per their will in the respective stream.

Regular meetings of IQAC are conducted with an agenda and necessary corrective measures are taken.

| File Description | Documents |
|---------------------------------------|--|
| Paste link for additional information | https://mohotasci.edu.in/about-iqac/ OK |
| Upload any additional information | No File Uploaded |

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

For a sustained cohesive mutual environment of learning, the teaching learning process and its outcome is reviewed regularly by the principal and IQAC.

The IQAC has consistently promoted the student and faculty to nurture talent and exchange ideas across academic domains, cultural and other disciplines.

Students feedback on faculty, teaching learning process and evaluation is collected from UG and PG students and analysed.

Various MOUs are signed designed so as to enhance the industry / real world exposure.

Enhancement of library facility, ICT and physical infrastructure is also reviewed regularly and necessary improvements are made. Regular up-gradation, purchase of computers as well as laboratory instrumentation is taken care of.

Thus IQAC ensures the access to accurate and timely information, streamline every possible process, enhance human resource efficiency, implement best practices, integrate the existing systems and to evolve new ideas.

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

6.5.3 - Quality assurance initiatives of the A. All of the above

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)

| File Description | Documents |
|--|--|
| Paste web link of Annual reports of Institution | https://mohotasci.edu.in/wp-content/uploads/2024/05/2.6.3-Annual-report-AQAR-2022-23.pdf OK |
| Upload e-copies of the accreditations and certifications | View File OK |
| Upload any additional information | View File OK |
| Upload details of Quality assurance initiatives of the institution (Data Template) | View File OK |

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 women's cell is dedicated to promote the well-being of women. It is operational since 20 January 2006.

Vision: The vision of this cell is to foster consciousness regarding women's rights and duties within society, empowering them to become self-sufficient and assured contributors to nation-building.

Mission:

1. Promote understanding of women's social, legal, and constitutional rights and obligations.
2. Raise awareness on enhancing women's overall health and reproductive well-being.
3. Establish and uphold a nurturing, secure, and joyful campus environment where women's rights are respected.
4. Provide assistance and counsel to female students facing

academic and personal challenges.

5. Empower young women through diverse training and skill enhancement initiatives, fostering self-sufficiency.
6. Instil principles of morality and ethics among female students.

The women's cell organizes various events to realize its vision and mission. These activities encompass a wide range of topics including women's empowerment, health enhancement, skill enhancement, motivation, and support.

To facilitate girls, a vending machine offering sanitary pads has been installed in the common area designated for them. Additionally, there is a designated parking area exclusively for their use.

| File Description | Documents |
|--|--|
| Annual gender sensitization action plan | https://mohotasci.edu.in/wp-content/uploads/2024/05/7.1.1-AQAR-22-23-Action-plan-for-gender-sensitization.pdf OK |
| 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 | https://mohotasci.edu.in/wp-content/uploads/2024/05/7.1.1-AQAR-22-23-Specific-facilities.pdf OK |

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 | View File OK |
| 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 manages both biodegradable and non-biodegradable waste. Numerous dustbins are strategically placed throughout corridors, laboratories, and offices to aid in efficient waste segregation. Biodegradable waste is deposited in designated bins and later transferred to pits for natural decomposition, ultimately serving as bio fertilizer. Meanwhile, non-biodegradable waste undergoes conventional disposal methods, typically through handover to the Municipal Corporation.

Waste recycling system: Waste recycling is facilitated through vermicomposting, utilizing farmyard manure (FYM) and leaf litter sourced from the college campus. Earthworms digest these materials, effectively managing biodegradable waste in an environmentally friendly manner. The resulting vermicompost is rich in nutrients, growth hormones, and beneficial microorganisms, serving as an excellent soil conditioner. This compost is pure and free from any contamination, some of which is utilized in college gardening, with surplus being sold.

E-waste management: All electronic waste generated is annually sent to Suritex Private Limited Works in Nagpur for proper disposal and recycling. This ensures environmentally responsible management of electronic waste, aligning with our commitment to sustainability and environmental stewardship.

| File Description | Documents |
|---|------------------------------|
| Relevant documents like agreements / MoUs with Government and other approved agencies | View File OK |
| Geo tagged photographs of the facilities | View File OK |

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

D. Any 1 of the above

| File Description | Documents |
|---|------------------------------|
| Geo tagged photographs / videos of the facilities | View File OK |
| Any other relevant information | No File Uploaded |

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

B. Any 3 of the above

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

| File Description | Documents |
|--|------------------------------|
| Geo tagged photos / videos of the facilities | View File OK |
| Various policy documents / decisions circulated for implementation | No File Uploaded |
| Any other relevant documents | View File OK |

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

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

B. Any 3 of the above

| File Description | Documents |
|---|------------------------------|
| Reports on environment and energy audits submitted by the auditing agency | View File OK |
| Certification by the auditing agency | View File OK |
| Certificates of the awards received | No File Uploaded |
| Any other relevant information | No File Uploaded |

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms.

Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

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

C. Any 2 of the above

| File Description | Documents |
|--|------------------------------|
| Geo tagged photographs / videos of the facilities | View File OK |
| Policy documents and information brochures on the support to be provided | View File OK |
| 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) | View File OK |
| 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 necessary to navigate the complexities of contemporary society with integrity and empathy. Through engagement with the principles enshrined in the constitution, students are empowered to become catalysts for positive change in their communities, thereby embodying the ethos of active citizenship and social responsibility.

| File Description | Documents |
|--|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | https://mohotasci.edu.in/wp-content/uploads/2024/05/7.1.9-AQAR-22-23-Evidence-1.pdf OK |
| Any other relevant information | Nil |

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

4. Annual awareness programmes on Code of Conduct are organized

C. Any 2 of the above

| File Description | Documents |
|--|------------------------------|
| Code of ethics policy document | View File OK |
| 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 regularly hosts various commemorative events to observe specific occasions or themes, aimed at raising awareness and inspiring action among both the general public and students. These events feature distinguished professionals relevant to the theme as chief guests, who impart detailed insights on pertinent issues within their expertise. These inclusive functions involve the active participation of students, as well as teaching and non-teaching staff members.

Some of the recurring events include College Foundation Day, Independence Day, Teachers' Day, Dr. B. R. Ambedkar Jayanti, Constitution Day, Marathi Language Day, International Women's Day, Republic Day, Shiv Jayanti, National Science Day, National Voter's Day, etc.

| File Description | Documents |
|---|------------------------------|
| Annual report of the celebrations and commemorative events for the last (During the year) | View File OK |
| Geo tagged photographs of some of the events | View File OK |
| 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.

Campus Recruitment Training Program (CRT)

- Objective:** To prepare students for various competitive examinations, interviews.
- Context:** To take students beyond traditional text-book and teach them essential life skills.
- Description:** B.Sc. students have inhibition being a non-professional course. The program aims to instill confidence in students, emphasizing their unique abilities for job-seeking challenges.
- Success Indicators:** The program has developed confidence in many students as some students have been placed.
- Challenges and Requirements:** The ideal yearlong activity is

squeezed in about 30 sessions due to academic constraints .

Organic Fertilizer Production through Vermicomposting

1. **Objective:** To convert organic waste, plant materials and leaves, into organic fertilizer.
2. **Context:** Vermicomposting offers an environmentally friendly approach to transform organic waste into nutrient-rich fertilizer promoting eco-conscious practices.
3. **Description:** Vermicomposting facility was established on campus to process garden waste and cow dung. Earthworms were introduced to facilitate decomposition, and the unit was carefully maintained until compost maturity.
4. **Success Indicators:** A large amount of vermicompost was generated from minimal investment which was utilized within the college garden. Some students were also involved in this activity.
5. **Challenges and Requirements:** Maintaining the unit in intense Nagpur summer is challenging.

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | Nil |
| Any other relevant information | https://mohotasci.edu.in/wp-content/uploads/2024/05/7.2.1-AQAR-22-23-Evidence.pdf |

OK

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

In today's era, where environmental sustainability is of paramount importance, institutions play a crucial role in fostering a culture of conservation and stewardship. Our institution has embraced this responsibility wholeheartedly, carving out a distinctive niche in environmental activities aligned with our vision, priorities, and thrust.

Our institution stands out for its commitment to environmental stewardship through a range of initiatives. Spearheaded by the

Environmental Protection Cell, events like Earth Day, Forest Day, and Ganesh Visarjan promote awareness and sustainable practices. Additionally, participation in the Chetah Program and Butterfly Month highlights our dedication to wildlife conservation and biodiversity.

In addition to organized events, our institution incorporates environmentally friendly practices into everyday activities. The use of saplings for welcome ceremonies underscores our dedication to green practices from the onset of every event. Moreover, initiatives such as vermicomposting, azolla cultivation, and bird conservation practices exemplify our institution's holistic approach to environmental sustainability.

Our institution's distinctiveness lies in its comprehensive approach to environmental activities, integrating organized events with everyday practices. Moving forward, continued support and collaboration with external partners will further enhance our impact on environmental conservation. Together, these efforts underscore our institution's unwavering dedication to environmental stewardship and holistic student development.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

As the college is affiliated with Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur it has to follow the academic calendar communicated by the university. Accordingly, college level calendar is prepared by the IQAC.

The Principal, Vice-Principal, IQAC Coordinator, HoD's approve the academic activities to be implemented during the session.

The HoD's conduct meetings at their departments to decide department level activities. Their activities are in line with those prepared by IQAC. HoD's distribute the syllabus and workload to the staff members.

The academic time table is set as per the university guidelines and directions received.

Continuous evaluation is carried out through unit tests/ home assignments/ homework, etc.

The college formed various subject societies in which various programmes have been conducted to give additional exposure to the students in curricular and co-curricular activities.

Subject related field visits / industrial visits, and excursions are also arranged.

Bridge course has been implemented before commencement of the regular classes of B.Sc. Semester I.

For effective implementation of curriculum, a proper feedback mechanism is in place.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| Link for Additional information | Nil |

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

CIE is a very important component of Outcome-Based Education(OBE)which is in alignment with theNational Education Policy 2020. CIE plays a very significant impact on the quality of education for the students. The teachers conduct CIE, where various strategies are employed.

The respective subject teachers evaluate the students on parameters that are pre-informed. Some of these parameters include punctuality and attendance, performance in unit tests and terminal examinations, home assignments, surprise tests, open book test, oral tests, seminars, and problem-solving, etc.

The performance of the student in tests or assignments is conveyed so that further improvement can be achieved. The students further seek guidance from the respective teachers for improving their academic performance. Apart from this, one-to-one interactions during theory and practical, either online or offline, are employed whereby the students' understanding of a particular topic is gauged.

The strategies employed by the teachers have paved the way for evaluating the students throughout the session and enhancing the academics of the students.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| 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 | View File |
| Any additional information | View File |

1.2 - Academic Flexibility

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

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

6

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Minutes of relevant Academic Council/ BOS meetings | No File Uploaded |
| Institutional data in prescribed format (Data Template) | View File |

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

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

2

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Brochure or any other document relating to Add on /Certificate programs | No File Uploaded |
| List of Add on /Certificate programs (Data Template) | View File |

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

55

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

1.3 - Curriculum Enrichment

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

The college is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and follows the curriculum designed by the university. The curriculum indirectly touches the crosscutting issues. Environmental Studies has been introduced in the second-year curriculum at 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, ecosystems, human population and environment, biodiversity, pollution, social issues and the environment. Not restricting the students only to theory, the Environment Protection Cell (EPC) regularly organizes talks by experts to celebrate important days like World Earth Day, World Forest Day. To further create awareness among students about the newest development in life science the talk like 'Reintroduction of Cheetah in India' was also organized. Similarly the EPC also initiates in arranging Eco-friendly Ganesh Visarjan aiming at creating awareness about the hazards of immersing Ganesh idols in lakes during Ganesh festival. The institute also encourages the field activities like 'Nature walk and Butterfly monitoring' to develop scientific foster in the students. The institute has also taken initiatives in organizing program on gender equality to make students understand its importance.

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. | No File Uploaded |

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

7

| File Description | Documents |
|--|---------------------------|
| Any additional information | View File |
| Programme / Curriculum/ Syllabus of the courses | View File |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | No File Uploaded |
| MoU's with relevant organizations for these courses, if any | No File Uploaded |
| Institutional Data in Prescribed Format | View File |

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

463

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| List of programmes and number of students undertaking project work/field work/ /internships (Data Template) | View File |

1.4 - Feedback System

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

B. Any 3 of the above

| File Description | Documents |
|---|---|
| URL for stakeholder feedback report | https://mohotasci.edu.in/wp-content/uploads/2024/05/1.4-AQAR-22-23-Curriculum-feedback-from-stakeholders.pdf |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management | No File Uploaded |
| Any additional information | View File |

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 | View File |
| URL for feedback report | https://mohotasci.edu.in/wp-content/uploads/2024/05/1.4-AQAR-22-23-Curriculum-feedback-from-stakeholders.pdf |

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

1764

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

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

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

1504

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| Number of seats filled against seats reserved (Data Template) | View File |

2.2 - Catering to Student Diversity

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

Students applying for admission in the college come from various socioeconomic backgrounds. The admission committee members counsel students to choose subject combinations to pursue based on their XII scores and the future prospects of the subject. Faculty members assess the students academic performance using one or more methods, including assignments, unit examinations, presentations, viva voce and questions and answers during lectures/practicalalso. Academically weak students are helped at personal level for difficultiy solving. If required, they are also provided reading materialand important question banks on certain critical topics by some faculty members in the relevant disciplines, also shared links of YouTube videos that cover the fundamental concepts of the subjects with their academically weak learners. Using online platforms like Google Classroom and WhatsApp groups, teachers were available to students individually and in groups to assist and solve their problems about the subjects being studied. The academically strong students were motivated to prepare for competitive examinations at the state and national levels, such as JAM, NET, and SET. They were also encouraged to partcipate in students seminar and other competitions.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File |

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

| Number of Students | Number of Teachers |
|--------------------|--------------------|
| 1746 | 55 |

| File Description | Documents |
|----------------------------|---------------------------|
| Any additional information | View File |

2.3 - Teaching- Learning Process

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

To support students holistic development the institution has been implementing a student-centric approach to teaching-learning process. Bridge and short-term skill-based courses were offered by the college. To bring students up-to-date with current scenario in their subjects, and to spread awareness of environmental and social issues regular guest lectures were also organized. In order to acquire a better understanding of the subject, students were encouraged to participate in debates, seminar competitions, and quizzes. This approach to participative learning has aided the institute in imparting responsibility for society and the environment together with a scientific temper. Well-established facilities like beekeeping, vermicomposting, botanical shed house, and circuit board design are available at the college. The college assigns projects to postgraduate students as an additional means to further encourage experiential learning. The students learned how to approach a question specifically through these projects, as well as how to choose which methods were most appropriate to solve particular challenges. Furthermore, workshop on detergent and soap preparation, and hand sanitizer was conducted for the students. The college has provided the essential facilities, such as smart boards, ICT rooms, well-equipped laboratories, a library, and sports facilities, to facilitate experiential and participative learning.

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |
| 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

College teachers have made effective use of ICT tools and many other freely available e-resources. For communication, the college website, WhatsApp, and email accounts were used. The

LMS utilized by the college faculty was Google Workspace. This LMS's Drive, Calendar, Classroom, Forms, Meet, Sheets, Docs, and Jam board were used to collect information, organize lectures, record attendance, conduct examinations, share resource material, and arrange guest lectures. In addition, Zoom, Microsoft Teams, Google Meet were used to provide instruction. MS Office tools were utilized to prepare and share the resource material. YouTube videos were used effectively in the classroom. The INFLIBNET N-list, MOOCs, open source e-books and e-journals, animations, e-dictionaries, glossaries, e-flora, e-atlas, multimedia resources from YouTube, etc., and bioinformatics databases were employed to facilitate effective learning. The college has a comprehensive collection of electronic resources and CDs. Furthermore, the college has a well-developed infrastructure in the form of laptops, computers, internet access (both wired and wireless), smart boards, and LCD projectors.

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

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

2.3.3.1 - Number of mentors

23

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

2.4 - Teacher Profile and Quality

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

55

| File Description | Documents |
|--|---------------------------|
| Full time teachers and sanctioned posts for year (Data Template) | View File |
| Any additional information | No File Uploaded |
| List of the faculty members authenticated by the Head of HEI | View File |

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

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

32

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

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

2.4.3.1 - Total experience of full-time teachers

253

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | View File |

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and

mode. Write description within 200 words.

The internal assessment (IA) is continuously done by the teachers in each semester. The assessment has helped to improve the performance of students. IA has also reduced the pressure felt by them during their final exams. It also provides an opportunity to the teachers to evaluate the preparedness of students and find out their weaknesses. Internal assessment is carried out through submission of assignments, unit tests and terminal exams in each semester. The performance of the students in these exams is conveyed to them. Teachers then advice the students on how to improve their performance if they are not doing well in specific areas. This enhances the interest of students regarding their studies and also builds their confidence. In this manner, the mechanism of internal assessment adopted by the college is both transparent and robust. Some teachers have conducted online problem solving test/surprise test/open book test, etc

| File Description | Documents |
|---------------------------------|---------------------------|
| Any additional information | View File |
| Link for additional information | Nil |

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

Unit tests and semester end exams are used for internal assessment of students. These tests are regularly conducted by faculty members during each semester. This helps the students to study on a regular basis and increases their confidence with respect to final exams.

The papers of internal exams are evaluated by subject teachers in a time-bound manner. The marks obtained by the students in these tests are conveyed to them within a week from the date of the test.

In order to ensure transparency and efficiency in internal exams, any grievances of students regarding their internal exam marks and performance are readily listened to by respective subject teachers and appropriate action is taken to eliminate the grievance.

At the end of each semester, internal assessment marks are

awarded to the students based on their attendance, submission of assignments and performance in internal exams. These internal marks are uploaded on the affiliating university website.

| File Description | Documents |
|---------------------------------|------------------|
| Any additional information | No File Uploaded |
| Link for additional information | Nil |

2.6 - Student Performance and Learning Outcomes

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

The following mechanism is applied for communicating programme outcomes, programme specific outcomes and course outcomes to teachers and students regarding all undergraduate and postgraduate courses run by the college:

- The details of course outcomes, programme outcomes and programme specific outcomes are prominently displayed on the college website for the perusal of teachers and students.
- Hard copies of syllabi are available in every college department for ready reference by teachers and students.
- The importance of programme and course outcomes is conveyed to teachers during college committee meeting.
- At the beginning of the teaching session, teachers convey the significance of learning outcomes to students and encourage the students to attain them.

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for Additional information | http://mohotasci.edu.in/wp-content/uploads/2020/10/POs-PSOs-and-COs-compressed.pdf |
| Upload COs for all Programmes (exemplars from Glossary) | View File |

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

For the realization of programme outcomes and course outcomes, the college diligently follows the college calendar based on the academic calendar of R.T.M. Nagpur University. Internal evaluation of the academic performance of students is done through various means such as unit tests, semester end exams, submission of assignments, seminars and project work. This helps in the attainment of programme and course outcomes.

At the end of each semester, feedback is received from students, which helps to identify areas for improvement.

The results of university exams are evaluated by the college with the help of faculty members. The performance of students in each course and subject is evaluated. This helps to identify whether program and course outcomes have been achieved.

The performance of students of both undergraduate and postgraduate courses in university exams as evaluated by the college is good, and hence, programme outcomes and course outcomes have been attained in a satisfactory manner.

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

2.6.3 - Pass percentage of Students during the year

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

241

| File Description | Documents |
|--|---|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | View File |
| Upload any additional information | No File Uploaded |
| Paste link for the annual report | https://mohotasci.edu.in/wp-content/uploads/2024/05/2.6.3-Annual-report-AQAR-2022-23.pdf |

2.7 - Student Satisfaction Survey

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

<https://mohotasci.edu.in/wp-content/uploads/2024/05/2.7.1-AQAR-22-23-Student-Satisfaction-Survey-2022-23.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

0

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| e-copies of the grant award letters for sponsored research projects /endowments | No File Uploaded |
| List of endowments / projects with details of grants(Data Template) | View File |

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

3.1.2.1 - Number of teachers recognized as research guides

16

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

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

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

0

| File Description | Documents |
|---|---------------------------|
| List of research projects and funding details (Data Template) | View File |
| Any additional information | No File Uploaded |
| Supporting document from Funding Agency | No File Uploaded |
| Paste link to funding agency website | Nil |

3.2 - Innovation Ecosystem

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

- The college encourages the faculty members to participate in research activities and hence there are a good number of research publications, a few of them with very decent impact factor.
 - A good number of students have registered for Ph.D. programs.
 - The management of the college, through its corpus, has taken some initiatives for creation and transfer of knowledge among the faculties to have academic interactions as mentioned in the following points 1 to 5.
1. For faculty publishing research paper in International / National journals, 20 % of fees would be borne by the college.
 2. For faculty presenting research paper in local

conferences/Seminars and Workshops, 20% of registration fees would be reimbursed by the college.

3. For faculty filing national/ international patents, their patent filing registration fees 50 % would be borne by the college.
 4. For faculty delivering a talk in national/ international conference as a resource person, their expenses to the tune of ₹ 5,000/- to ₹ 10,000/- would be borne by the college.
 5. Registration in Professional Bodies: 20 % of fees would be borne by the college.
- The college has signed MOUs with some organizations for availing their facilities and exchange of ideas.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | https://mohotasci.edu.in/wp-content/uploads/2024/05/3.2.1-AQAR-22-23-Evidence.pdf |

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

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

1

| File Description | Documents |
|--|---------------------------|
| Report of the event | View File |
| Any additional information | No File Uploaded |
| List of workshops/seminars during last 5 years (Data Template) | View File |

3.3 - Research Publications and Awards

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

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

18

| File Description | Documents |
|--|---|
| URL to the research page on HEI website | https://mohotasci.edu.in/# |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | View File |
| Any additional information | No File Uploaded |

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

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

4

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

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

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

3

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

3.4 - Extension Activities

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

The college has initiated various activities to sensitize students on different social issues such as social skills training, organizing programmes on gender related issues, cleanliness drive, health awareness campaign, etc.

As the college has a huge open space, it was thought to organize Eco-friendly Ganesh Idol Visarjan (emersion of Ganesh Idol in artificial water tank) in the college premises. The college Environment Protection Cell (EPC) and National Service Scheme (NSS) unit of the college in collaboration with the Nagpur Municipal Corporation (NMC) conducted this activity from 1 to 10 Sep. 2022. A briefing meeting was conducted for the student volunteers by EPC. Students actively took part in a door-to-door campaign in addition to the visarjan drive, which was designed to inform the local community about eco-friendly visarjan and encourage them to use this facility on campus. A data sheet to record the procedure was given to the students.

This activity helped the students to learn and how to develop a strong relationships with the local community, local administration, citizens of the nearby society and at the same time explore their full potential.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File |

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

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

0

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| Number of awards for extension activities in last 5 year (Data Template) | View File |
| e-copy of the award letters | No File Uploaded |

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

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

2

| File Description | Documents |
|--|---------------------------|
| Reports of the event organized | View File |
| Any additional information | No File Uploaded |
| Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template) | View File |

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

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

31

| File Description | Documents |
|--|---------------------------|
| Report of the event | View File |
| Any additional information | No File Uploaded |
| Number of students participating in extension activities with Govt. or NGO etc (Data Template) | View File |

3.5 - Collaboration

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

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

4

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

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

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

2

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The college has all the infrastructure facilities to provide higher education as per the requirements and modifies the budget every year according to its vision and objectives. The college spends on infrastructure and academic development as per the requirements. It is reflected from the tabulated sheet of expenses and audited sheet that the amount utilized for infrastructure development is Rs. 59,39,321.00, amount spent on maintenance of physical facilities is Rs. 27,50,805.00 and amount spent on maintenance of academic facilities is Rs. 23,36,462.00.

College has purchased equipment, instruments and necessary

laboratory facilities including maintenance of computers so that the students are always benefitted. The college has enough well equipped classrooms / laboratories - some with LCD projectors and smart boards.

The laboratories are sufficiently equipped 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 with necessary modifications. The internet facility is well maintained so as to provide an uninterrupted Wi-Fi throughout the college. The college library is kept updated with computers, books, periodicals, journals, etc. The college also upgrades the computers and computer laboratory.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://mohotasci.edu.in/wp-content/uploads/2024/05/AQAR-22-23-CA-statement.pdf |

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 takes care of the indoor and out-door sport activities. The college has well equipped gymnasium, playground of 5.28 acre with 400 meter running track and facilities for athletics. A green gymnasium is also available on the college ground. As a gesture, ground is kept open for nearby citizens for morning and evening walk, running, to practice yogan and to practice many other physical outdoor exercises. Many citizens take the advantage of the ground and the green gymnasium.

The participating and award winning students are duly recognized and awarded certificates, track suits, medals on the Republic Day program. The college has auditorium hall (by combining room number 1 and 2 - capacity of about 250), room number 3 (with capacity of about 120) and an open air stage is also available for cultural and social activities. The training in the cultural activity is given by a member of non-teaching staff who has a keen interest in training the students in all

cultural events. The students have bagged honours in various sports and cultural at various levels.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| 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.

19

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

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

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

59.39

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

4.2 - Library as a Learning Resource

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

The college library has the following automation software.

1. Name of the ILMS software: Libman.

This is a fully integrated, Multi User Package for the complete automation (computerization) of Library functioning. It is powerful and easy to use system. The software is developed after the consultation with several senior librarians who have automated the libraries having books strength as high as 3.5 lacs books. This system is having Modules such as Acquisition, Cataloguing, Circulation, OPAC on-line Public Access Catalogue, Serial Controls. Acquisition module deals with selection and ordering of library materials, bills/invoice processing, Accessioning, processing bills of payment and payment details entry. Libman Cataloguing is based on AACR2 standards. We can enter/update details at the time cataloguing. Journals/ Periodicals section functioning is computerized in the serial controls module of libman software.

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

3. Version: 3.9

4. Year of automation: 2010

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| 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 | No File Uploaded |
| Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template) | View File |

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

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

1.41

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

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

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

17636

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

4.3 - IT Infrastructure

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

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. We update and upgrade IT facilities including Wi-Fi. There are total 213 computers, 22 printers, 12 projector, 14 wall mounted projectors, 2 rooms with smartboard. 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, etc. for teaching - learning and evaluation. The entire campus is covered under camera surveillance for safety purpose.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

4.3.2 - Number of Computers

213

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | No File Uploaded |
| List of Computers | View File |

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

| File Description | Documents |
|--|---------------------------|
| Upload any additional Information | View File |
| Details of available bandwidth of internet connection in the Institution | View File |

4.4 - Maintenance of Campus Infrastructure

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

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

50.87

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

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

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. It is supervised by the management. In the meetings of CDC, IQAC & head of the departments and various committees various issues are discussed.

The record of laboratory purchase, expenses are maintained in stock books. The instruments and equipment are regularly cleaned and maintained.

The 'Library Advisory Committee' reviews the needs of the library. 'No dues' from the library is mandatory for students and staff. Weeding out of old titles is decided by the library committee.

Software and hardware has been 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 has its own sports ground that is maintained and upgraded regularly with the help of the ground staff.

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 | No File Uploaded |
| Paste link for additional information | https://mohotasci.edu.in/wp-content/uploads/2024/05/AQAR-22-23-CA-statement.pdf |

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

883

| File Description | Documents |
|--|---------------------------|
| Upload self attested letter with the list of students sanctioned scholarship | View File |
| Upload any additional information | No File Uploaded |
| Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template) | View File |

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

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

31

| File Description | Documents |
|---|----------------------------|
| Upload any additional information | View File |
| Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template) | View File |
| 5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills | B. 3 of the above |
| File Description | Documents |
| Link to Institutional website | Nil |
| Any additional information | View File |
| Details of capability building and skills enhancement initiatives (Data Template) | View File |
| 5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year | |
| 0 | |
| 5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year | |
| 0 | |
| File Description | Documents |
| Any additional information | View File |
| Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | View File |
| 5.1.5 - The Institution has a transparent mechanism for timely redressal of student | A. All of the above |

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

| File Description | Documents |
|--|---------------------------|
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | No File Uploaded |
| Upload any additional information | View File |
| Details of student grievances including sexual harassment and ragging cases | View File |

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

10

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

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

5.2.2.1 - Number of outgoing student progression to higher education

23

| File Description | Documents |
|--|---------------------------|
| Upload supporting data for student/alumni | View File |
| Any additional information | No File Uploaded |
| Details of student progression to higher education | View File |

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

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

04

| File Description | Documents |
|--|---------------------------|
| Upload supporting data for the same | View File |
| Any additional information | No File Uploaded |
| Number of students qualifying in state/ national/ international level examinations during the year (Data Template) | View File |

5.3 - Student Participation and Activities

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

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

1

| File Description | Documents |
|--|---------------------------|
| e-copies of award letters and certificates | No File Uploaded |
| Any additional information | View File |
| Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template) | View File |

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

The students actively take part in various activities with the following objectives: 1) To develop cordial relations among the students, teachers, principal and non-teaching staff members. 2) To stimulate the functioning of various committees. 3) The students participate in inter and intra college level events. 4) To act as a catalyst for the noble cause of nation building by working together. 5) To inculcate brotherhood. 6) Students of the institution play important role in various committees such as anti-ragging committee, IQAC, college annual magazine committee, internal complaints committee. The students are motivated to participate in these activities by the respective activity coordinator. They are also guided and monitored in all these academic, cultural, and social activities. The students also participated in IQAC, which gives valuable suggestions and feedback, on the basis of which necessary and corrective steps are undertaken. Some students work as volunteers to promote various initiatives undertaken by the college.

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

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

24

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

5.4 - Alumni Engagement

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

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). Association has 316 enrolled alumni, who are renowned personalities in various fields. 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. Prominent alumni of the college are invited for sharing their experiences and motivating the current students. The alumni association had performed various cultural and social activities in the college. The alumni representative in IQAC of the college has provided some important inputs in the development of the college. The alumni association during its executive meeting discusses various plans and activities to be carried out. The details of alumni association are also available at the college website <https://mohotasci.edu.in/> under the tab Alumni.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://mohotasci.edu.in/ |
| Upload any additional information | View File |

| 5.4.2 - Alumni contribution during the year (INR in Lakhs) | D. 1 Lakhs - 3Lakhs |
|--|---|
| File Description | Documents |
| Upload any additional information | View File |
| GOVERNANCE, LEADERSHIP AND MANAGEMENT | |
| 6.1 - Institutional Vision and Leadership | |
| 6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution | |
| <p>The core of the college's vision and goal is to create a workforce that is knowledgeable, intelligent, industrious, cultured, skilled, patriotic, and ecologically conscious in order to meet the needs and problems of the nation today and in the future. In order to create such a well-groomed workforce, the college is committed to academic excellence in teaching, learning, research, environmental awareness, a sense of patriotism, and society that supports honesty, openness, and responsibility.</p> <p>There is a participative management in the working of the college at all levels. The CDC, principal, vice principal, department Heads, IQAC and various committees play a significant role for the implementation and execution of initiatives. The IQAC is the point of contact between the departments, the principal, and the administration.</p> <p>The institution hosted extracurricular, sports, cultural, and academic activities to support the overall growth of both faculty and students. Departments receive financial support and persistent encouragement to organize student-beneficial events. They were attended by students under the supervision of faculties.</p> | |
| File Description | Documents |
| Paste link for additional information | https://mohotasci.edu.in/vision-mission/ |
| Upload any additional information | View File |

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

The Principal, Vice Principal, and College Development Committee (CDC) Department Heads, IQAC, ensure to implement the policies of the effectively. A critical first step in decentralizing work is the creation and functioning of committees, as well as participative management. The committees are empowered to operate and provide decisions within the parameters of the regulations. The Principal and Vice-Principal supervise the committees' activities. On the student corner of the college website, list of committees that hold significance for students are displayed. The Principal, Vice-Principal, Heads, or Coordinators of the departments have been given departmental-level autonomy over the teaching strategy, distribution of the timetable, administration of internal exams, activities of departmental societies, and other matters. The expenses for major developments are carried out by principal with the prior approval of the management. The departments are also given the ability to make purchases for incidentals. The departments are financially sponsored and encouraged to organize various activities for the students benefit. The principal has permitted the faculties of various committees to take the necessary steps for the effective execution of policies.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File |

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

This college is considered as one of the best colleges in terms of transparency and integrity at every stage of working. The forward-thinking approach, meticulous planning and execution in its institutional strategies and perspective planning is the key of its progress graph.

The perspective plan goes hand in hand with the vision and mission of the institution. The plan focuses on the following key aspects.

1. Curricular aspects and implementation
2. Research and extension activity
3. Infrastructure upgradation
4. Governance and management

Accordingly at the basic level the college administration puts in sincere efforts to ensure the following:

1. Effective Teaching and evaluation
2. Effective Leadership at all levels
3. Participative management and effective governance
4. Student's holistic development
5. Employees progress & welfare
6. Providing help for placements and progression
7. Women /student / faculty grievance redressal
8. Transparent and effective financial planning & management
9. Promote research, entrepreneurship, extension activities.

| File Description | Documents |
|--|---------------------------|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | Nil |
| Upload any additional information | View File |

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

Nagpur Shikshan Mandal (NSM) governs the college. It is led by the President and includes vice-president, secretary and executive members. The College Development Committee (CDC) is the college's highest-level body, and it is formed as per the norms and regulations issued by the UGC from time to time. The President of the NSM serves as its chairman, while the Principal serves as its secretary. All institutional development suggestions are submitted, addressed, and decisions are made in this body democratically following a healthy debate among all of its members. The principal is in charge of the administrative setup. He is supported by a Vice Principal who is also the IQAC coordinator, department heads, a librarian, and an office superintendent.

To help the principal, vice principal assesses the work of all PG coordinators and non-grant subject coordinators. The NAAC

coordinator assists the principal and the IQAC coordinator to prepare AQAR. Members of both teaching and non-teaching personnel serve on several college committees. These committees oversee the execution of academic and administrative decisions made by higher-level decision-making organizations. The institution closely adheres to the service regulations, processes, recruitment of staff, and promotion policies established by the UGC, Maharashtra government, and RTM Nagpur University.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Link to Organogram of the institution webpage | https://mohotasci.edu.in/wp-content/uploads/2024/05/6.2.2-AQAR-22-23-Organogram.pdf |
| Upload any additional information | View File |

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

A. All of the above

| File Description | Documents |
|--|---------------------------|
| ERP (Enterprise Resource Planning) Document | View File |
| Screen shots of user inter faces | View File |
| Any additional information | No File Uploaded |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | View File |

6.3 - Faculty Empowerment Strategies

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

The college has concern for the welfare of its entire staff and thus employees are entitled to all statutory leaves, including average pay leaves, medical leaves, and duty leaves for meetings and official purposes. Attendance and presentation of

research papers at conferences and seminars are encouraged, and registration costs are partially covered by the college, for which a policy document is in place. Employees are provided with an accidental coverage and group insurance. Staff members are felicitated in recognition of their outstanding contributions.

The College has a Credit Co-operative Society that provides affordable loans, classified as follows:

- Regular loan (Rs 6 Lakh)
- Long term loan (Rs 8 Lakh)
- Emergency loan (Rs 0.5)
- 'Jinnas' loan (Rs 1 lakh)

On the day of the Annual General Meeting (AGM), the Credit Co-operative organization provides lunch for all of its members in addition to dividend checks and gift cards. Additionally, this college has a policy that allows its non-teaching staff to get a Diwali festival advance of Rs. 4,000. Quarters for staff are also available in the premises of Nagpur Shikshan Mandal.

Cells like grievances redressal, women cell, ICC, RTI, are also available to college employees.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://mohotasci.edu.in/wp-content/uploads/2020/12/Welfare-measures-for-staff-Mohota.pdf |
| Upload any additional information | View File |

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

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

1

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

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

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

1

| 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 | View File |
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template) | View File |

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

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

19

| File Description | Documents |
|---|---------------------------|
| IQAC report summary | View File |
| Reports of the Human Resource Development Centres (UGCASC or other relevant centers) | View File |
| Upload any additional information | No File Uploaded |
| Details of teachers attending professional development programmes during the year (Data Template) | View File |

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

The institute has appraisal system, Annual Self Appraisal Report (ASAR). This report documents teaching, learning and evaluation activities, co-curricular, extension, social and professional development activities, research, academic contributions, and administrative responsibilities. A well formulated draft of performance appraisal form is filled by the teaching staff. It is then submitted to the Head of the Department and finally to the Principal every year. The ASAR report is also endorsed by the IQAC coordinator. The confidential report of teaching and non-teaching staff is routed through the Head of the departments and then finally endorsed by the principal. Mostly, necessary oral instructions are sufficient to the faculty or the non-teaching staff for further improvement. The CR and ASAR tabs are available at the college website: <https://mohotasci.edu.in> under the heading Management.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://mohotasci.edu.in |
| Upload any additional information | No File Uploaded |

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 expenses are classified as budgetary components by the institution. UGC, various government organizations, philanthropists, and others provide funds/grants to the college. The account department of the college and an external auditor (Chartered Accountant) conduct timely checks. Receipts, vouchers are properly maintained. Stock and ledger books are kept up to date. Appropriate procedures are followed for all purchases. The principal and management keep close tabs on the income and expenditure process. Management and Principal conduct meetings to decide budget allocation.

Auditing and verification are done on the following aspects:

- Verification of all receipts and payments.
- verification of TDS
- verification of all bank accounts
- verification of salary register
- verification of interest earned on investments
- verification of grant received (salary and non-salary)
- verification of miscellaneous and other income and receipts

The audit was carried out by Mr. Sandeep Mundhada & Co. Chartered Accountants, Nagpur - for the session 2022- 23.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File |

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

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

0.51

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

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

Through its administration and the CDC, the institution has a well-planned, well-formulated, and transparent financial management system. The college's primary funding sources are the government and management. The resource mobilization policy focuses on achieving the institution's goals and targets while maintaining accountability and openness. The CDC oversees and monitors the best use of funding for the advancement of a learner-centric environment. Funds are granted to support the institution's fundamental infrastructural needs while launching new programs and courses. Seminars/workshops/expert talks/Association activities/faculty development programs are financially supported by management. Studentsextracurricular activities are crucial in their personal development, hence enough funding is provided for cultural activities. Sportsare equally important in developing an individual and aregiven proper credit. Scholarships and freeships are given to the eligible students.Grants from individuals and philanthropists are used according to their preferences. The institutional scholarship fund is especially beneficial to financially disadvantaged students who do not have other scholarships. Government finances are utilized for the purpose for which they were received. A yearly audit ensures transparency and accountability.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| Upload any additional information | View File |

6.5 - Internal Quality Assurance System

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

For the enhancement of quality education, the IQAC has made every attempt to:

1. Enhance quality of teaching by regular inputs to all concerned based on feedback from students.
2. To streamline human resource in the administration
3. Provide better services to students and staff.

Student's mentoring, Parent- Teacher meets are also organized.

IQAC encourages and supports faculty members to participate in orientation, refresher courses, workshops, seminars and conferences related to the teacher-learning process and research.

Teachers with Ph.D. are also encouraged and motivated to act as research guides for the research scholars. Teachers are allowed to participate in university related work.

The college also provides platform for the students to participate in Intra- College and Inter -College level debates, competitions, seminars, etc.

Several skill enhancement ability courses have been introduced for various subjects and students are free to choose any one as per their will in the respective stream.

Regular meetings of IQAC are conducted with an agenda and necessary corrective measures are taken.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://mohotasci.edu.in/about-igac/ |
| Upload any additional information | No File Uploaded |

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

For a sustained cohesive mutual environment of learning, the teaching learning process and its outcome is reviewed regularly by the principal and IQAC.

The IQAC has consistently promoted the student and faculty to nurture talent and exchange ideas across academic domains, cultural and other disciplines.

Students feedback on faculty, teaching learning process and evaluation is collected from UG and PG students and analysed.

Various MOUs are signed designed so as to enhance the industry / real world exposure.

Enhancement of library facility, ICT and physical infrastructure is also reviewed regularly and necessary improvements are made. Regular up-gradation, purchase of computers as well as laboratory instrumentation is taken care of.

Thus IQAC ensures the access to accurate and timely information, streamline every possible process, enhance human resource efficiency, implement best practices, integrate the existing systems and to evolve new ideas.

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

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)

A. All of the above

| File Description | Documents |
|--|---|
| Paste web link of Annual reports of Institution | https://mohotasci.edu.in/wp-content/uploads/2024/05/2.6.3-Annual-report-AQAR-2022-23.pdf |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | View File |
| Upload details of Quality assurance initiatives of the institution (Data Template) | View File |

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

A women-centric women's cell is dedicated to promote the well-being of women. It is operational since 20 January 2006.

Vision: The vision of this cell is to foster consciousness regarding women's rights and duties within society, empowering them to become self-sufficient and assured contributors to nation-building.

Mission:

1. Promote understanding of women's social, legal, and constitutional rights and obligations.
2. Raise awareness on enhancing women's overall health and reproductive well-being.
3. Establish and uphold a nurturing, secure, and joyful campus environment where women's rights are respected.
4. Provide assistance and counsel to female students facing academic and personal challenges.
5. Empower young women through diverse training and skill enhancement initiatives, fostering self-sufficiency.
6. Instil principles of morality and ethics among female students.

The women's cell organizes various events to realize its vision and mission. These activities encompass a wide range of topics

including women's empowerment, health enhancement, skill enhancement, motivation, and support.

To facilitate girls, a vending machine offering sanitary pads has been installed in the common area designated for them. Additionally, there is a designated parking area exclusively for their use.

| File Description | Documents |
|--|---|
| Annual gender sensitization action plan | https://mohotasci.edu.in/wp-content/uploads/2024/05/7.1.1-AQAR-22-23-Action-plan-for-gender-sensitization.pdf |
| Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information | https://mohotasci.edu.in/wp-content/uploads/2024/05/7.1.1-AQAR-22-23-Specific-facilities.pdf |

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

C. Any 2 of the above

| File Description | Documents |
|--------------------------------|---------------------------|
| Geo tagged Photographs | View File |
| 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 manages both biodegradable and non-biodegradable waste. Numerous dustbins are strategically placed throughout corridors, laboratories, and offices to aid in efficient waste segregation. Biodegradable waste is deposited in designated bins and later transferred to pits for natural decomposition, ultimately serving as bio fertilizer. Meanwhile, non-biodegradable waste undergoes

conventional disposal methods, typically through handover to the Municipal Corporation.

Waste recycling system: Waste recycling is facilitated through vermicomposting, utilizing farmyard manure (FYM) and leaf litter sourced from the college campus. Earthworms digest these materials, effectively managing biodegradable waste in an environmentally friendly manner. The resulting vermicompost is rich in nutrients, growth hormones, and beneficial microorganisms, serving as an excellent soil conditioner. This compost is pure and free from any contamination, some of which is utilized in college gardening, with surplus being sold.

E-waste management: All electronic waste generated is annually sent to Suritex Private Limited Works in Nagpur for proper disposal and recycling. This ensures environmentally responsible management of electronic waste, aligning with our commitment to sustainability and environmental stewardship.

| File Description | Documents |
|---|---------------------------|
| Relevant documents like agreements / MoUs with Government and other approved agencies | View File |
| Geo tagged photographs of the facilities | View File |

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

D. Any 1 of the above

| File Description | Documents |
|---|---------------------------|
| Geo tagged photographs / videos of the facilities | View File |
| Any other relevant information | No File Uploaded |

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

B. Any 3 of the above

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

| File Description | Documents |
|--|---------------------------|
| Geo tagged photos / videos of the facilities | View File |
| Various policy documents / decisions circulated for implementation | No File Uploaded |
| Any other relevant documents | View File |

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

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

B. Any 3 of the above

| File Description | Documents |
|---|---------------------------|
| Reports on environment and energy audits submitted by the auditing agency | View File |
| Certification by the auditing agency | View File |
| Certificates of the awards received | No File Uploaded |
| Any other relevant information | No File Uploaded |

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

C. Any 2 of the above

persons with disabilities (Divyangjan) accessible website, screen-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 | View File |
| Policy documents and information brochures on the support to be provided | View File |
| 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) | View File |
| 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 necessary to navigate the complexities of contemporary society with integrity and empathy. Through engagement with the principles enshrined in the constitution, students are empowered to become catalysts for positive change in their communities, thereby embodying the ethos of active citizenship and social responsibility.

| File Description | Documents |
|--|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | https://mohotasci.edu.in/wp-content/uploads/2024/05/7.1.9-AQAR-22-23-Evidence-1.pdf |
| Any other relevant information | Nil |

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

C. Any 2 of the above

| File Description | Documents |
|--|---------------------------|
| Code of ethics policy document | View File |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims | 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 regularly hosts various commemorative events to observe specific occasions or themes, aimed at raising awareness and inspiring action among both the general public and students. These events feature distinguished professionals relevant to the theme as chief guests, who impart detailed insights on pertinent issues within their expertise. These inclusive functions involve the active participation of students, as well as teaching and non-teaching staff members.

Some of the recurring events include College Foundation Day, Independence Day, Teachers' Day, Dr. B. R. Ambedkar Jayanti, Constitution Day, Marathi Language Day, International Women's Day, Republic Day, Shiv Jayanti, National Science Day, National Voter's Day, etc.

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

Campus Recruitment Training Program (CRT)

1. **Objective:** To prepare students for various competitive examinations, interviews.
2. **Context:** To take students beyond traditional text-book and teach them essential life skills.
3. **Description:** B.Sc. students have inhibition being a non-professional course. The program aims to instill confidence in students, emphasizing their unique abilities for job-seeking challenges.
4. **Success Indicators:** The program has developed confidence in many students as some students have been placed.
5. **Challenges and Requirements:** The ideal yearlong activity is squeezed in about 30 sessions due to academic constraints .

Organic Fertilizer Production through Vermicomposting

1. **Objective:** To convert organic waste, plant materials and leaves, into organic fertilizer.
2. **Context:** Vermicomposting offers an environmentally friendly approach to transform organic waste into nutrient-rich fertilizer promoting eco-conscious practices.

3. **Description:** Vermicomposting facility was established on campus to process garden waste and cow dung. Earthworms were introduced to facilitate decomposition, and the unit was carefully maintained until compost maturity.
4. **Success Indicators:** A large amount of vermicompost was generated from minimal investment which was utilized within the college garden. Some students were also involved in this activity.
5. **Challenges and Requirements:** Maintaining the unit in intense Nagpur summer is challenging.

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | Nil |
| Any other relevant information | https://mohotasci.edu.in/wp-content/uploads/2024/05/7.2.1-AQAR-22-23-Evidence.pdf |

7.3 - Institutional Distinctiveness

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

In today's era, where environmental sustainability is of paramount importance, institutions play a crucial role in fostering a culture of conservation and stewardship. Our institution has embraced this responsibility wholeheartedly, carving out a distinctive niche in environmental activities aligned with our vision, priorities, and thrust.

Our institution stands out for its commitment to environmental stewardship through a range of initiatives. Spearheaded by the Environmental Protection Cell, events like Earth Day, Forest Day, and Ganesh Visarjan promote awareness and sustainable practices. Additionally, participation in the Chetah Program and Butterfly Month highlights our dedication to wildlife conservation and biodiversity.

In addition to organized events, our institution incorporates environmentally friendly practices into everyday activities. The use of saplings for welcome ceremonies underscores our dedication to green practices from the onset of every event.

Moreover, initiatives such as vermicomposting, azolla cultivation, and bird conservation practices exemplify our institution's holistic approach to environmental sustainability.

Our institution's distinctiveness lies in its comprehensive approach to environmental activities, integrating organized events with everyday practices. Moving forward, continued support and collaboration with external partners will further enhance our impact on environmental conservation. Together, these efforts underscore our institution's unwavering dedication to environmental stewardship and holistic student development.

| File Description | Documents |
|--|---------------------------|
| Appropriate web in the Institutional website | No File Uploaded |
| Any other relevant information | View File |

7.3.2 - Plan of action for the next academic year

1. Expanding infrastructure through the construction of classrooms and laboratories to accommodate new courses and additional sections for existing programs.
2. Modernizing laboratories to facilitate practical coursework and research activities.
3. Increasing the number of ICT-equipped rooms to enhance technological learning experiences.
4. Optimizing the use of Learning Management Systems, including a proctored examination portal.
5. Enhancing advanced instrumentation / instruments in laboratories.
6. Expanding the rainwater harvesting system to promote sustainable water management.
7. Constructing an auditorium and conference room to accommodate large gatherings and events.
8. Designing and implementing bio-diversity projects for the benefit of students and society.
9. Implementing cycle bank for needy students.