YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	SHRI MATHURADAS MOHOTA COLLEGE OF SCIENCE, NAGPUR
• Name of the Head of the institution	Dr. J. 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 Tukadoji Maharaj Nagpur University
• Name of the IQAC Coordinator	Dr. Mrs. R. S. Saha
• Phone No.	07122744992
• Alternate phone No.	8830524541
• Mobile	9822724232
• IQAC e-mail address	iqac.smmcs@gmail.com
• Alternate Email address	saha.rina.s@gmail.com
3.Website address (Web link of the AQAR (Previous Academic Year)	https://mohotasci.edu.in/wp-content/uploads/2021/09/AQAR-2019-20.pdf
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/2020/09/Acdemic-Calandar-2020-2021.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 3	A	3.10	2017	22/02/2017	21/02/2022
Cycle 2	B	2.74	2011	08/01/2011	07/01/2016
Cycle 1	B+	75.25	2002	01/10/2002	30/09/2007

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	Gevernment of Maharashtra	2020, 365 days	82406214.00
College	Medical grant	Gevernment of Maharashtra	2020, 365 days	390265.00
College	CHB grant	RTM Nagpur University, Nagpur	2020, 365 days	1916520.00
College	DA arrears	Gevernment of Maharashtra	2020, 365 days	701007.00
College	Sports grant	Gevernment of Maharashtra	2020, 365 days	700000.00
College	NSS grant	RTM Nagpur University, Nagpur	2020, 365 days	17000.00
College	IRD	IIT Delhi, New Delhi	2020, 365 days	50000.00

8.Whether composition of IQAC as per latest NAAC guidelines	Yes	
• Upload latest notification of formation of IQAC	View File	
9.No. of IQAC meetings held during the year	4	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	No	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	View File	

10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

1. For the benefit of Non-teaching staff: Computer literacy/ awareness programme was conducted for non-teaching staff from 28 September to 21 October 2020.

2. For the benefit of teaching staff: FDP for faculties was conducted from 02 to 25 July 2020.

3. For the society in the time of distress: Social service - Distribution of oxymeter and flow meters to Shree Gajanan Shikshan Seva Sanstha - on 17 May 2021, distribution of face mask, food packets, medicines to needy on 06 June 2020 and 29 June 2020

4. For the benefit of teachers, non-teaching staff and students: Celebration of various commemorative days and events like: Gandhi Jayanti and Lal Bahadur Shastri Jayanti, Vivekanand Jayanti, Chhatrapati Shivaji Maharaj Jayanti, Samvidhan Din, Online National Science Day Celebrations, Online lecture on cyber security by Dr. Dipti Khubalkar on the International Women's Day, Navshakti Durgotsav 9 days 9 life skills programme during Navaratri, etc.

5. For the benefit of students: Psychological counseling to the students through online programme – 'Being Resilient in pandemic' by Dr. Amar Damle on 11 May 2021, Financial literacy programme on 09 January 2021, Campus Recruitment Training course from 08 to 29 June 2020, Self Development for Career development course from 11 to 26 June 2020, Guidance for Competitive skills from 27 November 2020 to 07 March 2021 and Soft skills course from 10 to 30 January 2021 were conducted.

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
To encourage all departments to conduct Skill development course/Poster/Debate/ Essay writing/Books Exhibitions/Semina rs/Symposium/Excursion tour/Guest lecture of Eminent Personalities	Faculty Development Programme (FDP) was organized in online mode from 2nd July to 25th July 2020. 19 eminent guest lectures were delivered on the various topics which were motivating and beneficial. Department of

	Electronics organized two days International Web Symposium on "Biomedical Instrumentation: A Boon to Healthcare Industry (BIBHI-2020)
To encourage students to participate in college, university and national level sports/NCC/NSS/Co-curricular activities	On 06.06.2020, face masks, homeopathic medicine Arsenicum album 30 and non-perishable food material were distributed by NSS volunteers near the college. Around 150 needy, homeless and underprivileged members of the society around the college benefited from this. Blood Donation Camp was organized on 10.06.2020. This camp was organized in association with Prabhatai Ojha Smruti Seva Sanstha, Nagpur. A total of 157 donors donated blood, out of which 5 were students of the college. On 29.06.2020, NSS volunteers distributed reusable face masks and homeopathic medicine Arsenicum album 30 at Solanki Patil Wadi, a slum area near the college. More than 250 citizens from the slums benefitted from the activity. Oxymeters were donated to Shree Gajanan Shikshan Seva Sanstha on 17.05.2021. During the Covid-19 pandemic, NSS Unit celebrated National Youth Day on 12th January 2021. Dept. of Physical Education & Sports organized International Yoga Day on 21-06-2020. Dr. Kajal Jaiswal demonstrated yogas for health & fitness. Dept. of Physical Education & Sports organized National Sports Day on 29th August 2020 commemorating Major Dhaynchand & felicitated National/State Level winners of

	the college. Dept. of Physical Education & Sports organized Summer Coaching Camp for various sports from 15-30 Oct., 2020. Yash Lanjewar, Tanmay Kahate, Siddesh Hardas & Abhishek Lohkare participated in Senior State level Swimming Competition held at Pune on 16-17 March 2021.
Conducting various skill based Short Term Courses	Bridge Courses were conducted by the following Departments: - Mathematics: 17- 24 Oct. 2020 by Shri ST Rathod/PV Nimje, English: 16-31 Oct. 2020 by Dr. JA Janbandhu, Geology: October 2020 by Dr. SP Joshi Physics – October 2020 by Dr. MS Atone, Dr J N. Ramteke, Dr. D V Nandanwar Short Term Courses (STCs): - English - Vocabulary Building - 02-27 Nov. 2020 (30 hrs.) – Dr. JA Janbandhu (CC) Geology – Basics of Remote Sensing & GIS – 26-10 to 31-11-2020 (30 hrs.) – Ms. Sanjeevani Jawadand (CC) Botany – Mushroom Cultivation - 26th October 2020 to 5th November 2020 (12 hrs) – Dr. A.A. Fulzele (CC) Zoology Department conducted a value added 11 hours course on Sericulture. Dr. U. R. Sonparote, HOD – Zoology conducted the programme and Dr. Vijay Raut was the resource person. Duration of the programme - 21 to 28 November 2020
To encourage faculty members and students to participate in various conferences, symposium, workshop and seminar	B.Sc. Final year students Nikita Mate, Rajat Raut & Utkarsha Thubalkar secured 1st, 2nd & 3rd rank respectively in Summer 2020 RTMN University exams in the

subject Mathematics. M.Sc. Final year students Vaibhav Lonare, Madhuri Lahabar & Sachin Gharat secured 96.32%, 94.72% & 94.4.% respectively in Summer 2020 RTMN University exams in Mathematics. Shri. S. T. Rathod, HoD, Mathematics presented a research paper in International Conference of Advanced Physical, Chemical & Mathematical Science with title "Five Dimensional Cosmological Models with perfect Fluid in general Theory of relativity" organized by Department of Mathematics R.T.M. Nagpur University from 13 to 16 February 2020. Shri. S. T. Rathod published a research paper in International Journal of Research with title "Synthesis and Characterization of Conducting Polymer" vol. 8, pp. 113-116, ISSN: 2395-602x on 13 May 2021. Dr. S S Bhosale, HoD, Physical Education attended the following webinars: State Level Webinar "Olympic Day Celebration" organized by Swimming Association of Maharashtra, Pune on 23/06/2020. National level Webinar "Drowning Prevention Life Saving & Water Safety Awareness Programme organized by JD Foundation, Nagpur on 03/07/2020. Webinar "Role of Youth Swimmers" on 11-12 August, 2020. National Level Webinar "Importance of fitness during COVID-19 Pandemic" organized by VMV College, Nagpur on 05/08/2020. National Webinar "Women in Higher Education in India: Redefining Roles" organized by PWS College, Nagpur on

04/01/2021. Mr. Praful Jambhule (M.Sc. III semester) has participated in PPT presentation competition on the occasion of 'National Youth Day RTMNU' organized by RTM Nagpur University on 20th Jan 2021. M.Sc. Zoology Sem-III students, Rinkita A. Giradkar and Pitambari S. Bhagat presented ePosters at Second International eConference on DNA forensics conducted on 27 and 28 Feb 2021 at New Delhi. Rinkita A. Giradkar won third prize for ePoster Presentation. The following students of our college actively participated in various intercollegiate activities:- Ms. Vaishnavi D. Ranchalwar, National Level Quiz " GRAPHICAL" on Data Visualization organized by MES Abasaheb Garware College, Pune on 02-06-2020. Mr. Prathamesh V. Khambadkar has participated in the following activities:- Online National Quiz on "Everyday Life Chemistry" organized by Dept. of Chemistry, Shivaji Science & Arts College, Chikhli on 22-03-2021. National level intercollegiate Quiz Competition on " Electrochemistry" organized by Dept. of Chemistry, Dr. Ambedkar College, Nagpur on 03-11-2020. National level Webinar on "Recent Advances in Nanotechnology" organized by Dept. of Chemistry, Shivaji Science & Arts College, Chikhli on 08-08-2020. National level online quiz on "E- learning" organized by Dept. of Computer Engineering, P. V. P. P. College

of Engineering, Mumbai on 06-08-2020. One-week online workshop on "Health, Nutrition & Motivation" organized in collaboration with Dept. of Physical Education & Sports, SB City College & SK Porwal College, Kamptee from 26-10-2020 to 31-10-2020. Mr. Mahadev G. Dhakate has participated in the following activities:- National level online quiz on "E-learning" organized by Dept. of Computer Engineering, P. V. P. P. College of Engineering, Mumbai on 06-08-2020. Online National Quiz on "Everyday Life Chemistry" organized by Dept. of Chemistry, Shivaji Science & Arts College, Chikhli on 22-03-2021. National level Webinar on "Recent Advances in Nanotechnology" organized by Dept. of Chemistry, Shivaji Science & Arts College, Chikhli on 08-08-2020. One-week online workshop on "Health, Nutrition & Motivation" organized by Dept. of Physical Education & Sports, SB City College & SK Porwal College, Kamptee from 26-10-2020 to 31-10-2020. Mr. Mayur D. Kamble has participated in the following activities:- National level online quiz on "E-learning" organized by Dept. of Computer Engineering, P. V. P. P. College of Engineering, Mumbai on 06-08-2020. Intercollegiate Online Quiz on " Chemistry & Precaution from Covid-19" organized by Dept. of Chemistry, Maharashtra College of Arts, Commerce & Science, Mumbai on 05-05-2020. Online Engineering Mathematics Quiz

	organized by St. Vincent Pallotti College of Engineering & Tech. on 16-06-2020. Ms. Shraddha Khedkar attended online engineering mathematics quiz organized by St. Vincent Pallotti College of Engineering & Tech. on 15-06-2020. Mr. Pratik Fating, Mr. Ayush Chauvan, Ms. Tanushree Dhok & Ms. Rudrakshi Ambhore (Botany) participated in the online Quiz on "International Day of Forest" organized by Dept. of Botany, ASP College, Devrukh on 21-03-2021. Mr. Sagar R. Thakare & Mr. Sangharakshit Thaware have participated in intercollegiate online quiz competition, "Power of Information Technology" organized by Science College, Congress Nagar, Nagpur on 24-05-2021. Mr. Tushar P. Tambuskar (Botany) has participated in the following activities:- National Webinar on "Floral Diversity of Seminary Hills, Nagpur" organized by Dept. of Botany, SFS College, Nagpur on 25-08-2020. Faculty Development Programme (FDP) organized by Bhumkal Organization, from 15-07-2020 to 28-07-2020.
To collect and analyze the feedback of students	Feedback from students collected and analyzed at the end of the session.
To convey the details of IQAC meetings and the action taken report	The minutes of the meetings and ATR have been uploaded on the institutional website. The link for the same is as follows: https://mohotasci.edu.in/wp-content/uploads/2022/06/Minutes-of-the-IQAC-meetings-and-ATR-2020-21.pdf

13.Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
CDC	30/04/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020-21	22/02/2022

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	17

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	1455

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	925

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**541**

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

3.Academic

3.1 Number of full time teachers during the year	**34**

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

3.2 Number of sanctioned posts during the year	**11**

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

4.Institution

4.1 Total number of Classrooms and Seminar halls	**17**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**81.05**
4.3 Total number of computers on campus for academic purposes	**99**

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

This college is affiliated with Rashtrasant Tukadoji Maharaj Nagpur

University, Nagpur. The academic calendar is communicated to the colleges by the university.

Based on the University calendar a detailed calendar to be executed at the college is designed by the IQAC.

- The HoDs conduct the departmental meetings for the execution of the action plan as per the academic calendar. Curriculum /syllabi are distributed as per the prescribed workload among the staff members. In these meetings discussion of various co-curricular activities to be conducted during the session at the departments is also decided.

- The Principal and Vice-Principal conduct meeting with all HoDs and approve the academic activities to be conducted during the session.

- Time table committee frames the timetable as per the directions from the university.

- Continuous evaluation is carried out through Unit Tests/ Home Assignments/ Homework, etc.

- Feedback mechanism helps for effective implementation of curriculum as per the needs expressed by the students.

- The college has various subject societies which conduct programmes to give additional exposure to the students in curricular and co-curricular activities.

- Subject-related field / industrial / research institute visits are regularly arranged.

- Bridge courses are conducted for B.Sc. Semester I students at the start of the academic session.

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)

Continuous Internal Evaluation (CIE) is undertaken by the teachers for both UG and PG students for which various strategies are employed. The academic calendar framed by the IQAC provides a tentative schedule for the conduction of unit tests, seminars, project works, and other activities. 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, online viva, oral tests, seminars, and problem-solving. 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. For the subject English, group discussions, quizzes, essays, rapid writing, rapid reading, etc. are continuously practiced by the teacher during the classes. 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

5

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)

1

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

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

71

File Description	Documents
Any additional information	**No File Uploaded**
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 framed by the university. The freedom for designing the syllabus is not with the college.

As per the guidelines of UGC, Environmental Studies has been included in the B.Sc. second year curriculum. The syllabus introduces multifaceted nature of environmental studies and covers topics like natural resources, ecosystems, biodiversity, pollution, social issues related to environment, and effect of anthropological activities on environment. The college also organizes talks by multitude of resource persons under the aegis of Environment Protection Cell to provide the students a first-hand experience of environment protection and conservation. Though we do not have the freedom to include issues like professional development, gender studies, and human values in the syllabus, the college organises events to create awareness on these crosscutting issues by organizing lectures and awareness programmes. These are mentioned in Criterion V, VII, etc.

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

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

7

File Description	Documents
Any additional information	**No File Uploaded**
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

86

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

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**B. Any 3 of the above**

File Description	Documents
URL for stakeholder feedback report	https://mohotasci.edu.in/wp-content/uploads/ 2022/05/1.4.1.-and-1.4.2.-Feedback- Report.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	[View File](#)
Any additional information	[View File](#)

29-06-2022 04:59:00

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

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://mohotasci.edu.in/wp-content/uploads/2022/05/1.4.1.-and-1.4.2.-Feedback-Report.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

1455

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

1249

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

2.2 - Catering to Student Diversity

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

- **The students who seek admission are from various socio-**

economic strata of society. At the time of admission, committee members give guidance to the students regarding the choice of subject combinations on the basis of their XII results and made them aware of the scope of the different courses being offered by the Institute.

- At the college level, teachers use any of the methods like assignments, unit tests, presentations, viva voce, questions,and answers in live classes to assess the academic level of the students.
- For the slow learners teachers shared links of YouTube videos on the basic concepts of the subject and also provided MCQs in respective subjects. 2020-21 being the pandemic year one to one interaction through physical mode could not take place. However, teachers were always available to the students on one to one basis for helping and solving their subject-related difficulties through online modes like WhatsApp group, Google Classroom, etc.
- Advanced learners were motivated to participate in various online competitive examinations like preparation for national/ state-level competitive examinations like JAM/ NET/SET and other competitive exams. The students have given fairly good results even at the national. (Kindly see criterion 5.2.3)

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
1450	34

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

The college has been implementing a student-centric approach of teaching-learning for the overall development of students making

them employable and globally competent. The college conducted bridge and short-term skill-based courses. Guest lectures were organized to introduce students to the latest updates from the respective fields. Guest lectures were also organized to create awareness about social and environmental issues. The students were given discussion-based assignments. They were encouraged to participate in and interact with speakers during seminars, debates, seminar competitions, and quizzes to understand the topic better. This participative learning approach helped the institute to inculcate scientific temper as well as social and environmental awareness and responsibilities. The college has well established vermicomposting, botanical shed house, circuit board designing facilities. The college, further, promotes experiential learning by allotting projects to students at the postgraduate level. Through these projects, the students were taught how to approach the question in particular and how to select appropriate methodologies for solving specific problems. Also, the students and teachers prepared sanitizer in the laboratory.

To promote experiential and participative learning, the college has built up necessary infrastructure like well-equipped laboratories, ICT rooms, smart boards, library, and sports facilities.

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

Teachers of the college have been using ICT tools and e-resources effectively. During the pandemic, the teaching-learning process was online and ICT was put to optimum use to strengthen the communication and teaching-learning process. The college website, Facebook, WhatsApp and email accounts were used for communication. The college teachers used Google Workspace as the LMS. Various applications of this LMS were used, namely, Drive, Calendar, Classroom, Forms, Meet, Sheets, Docs, Jamboard for collecting information, conduction of lectures, recording attendance, examinations, sharing of resource material, and for organizing guest lectures. Additionally, Zoom, Microsoft Teams, Campus App were used for teaching. For preparation and sharing the resource material various applications of MS Office were used. YouTube videos were effectively used for teaching.

For effective teaching, reference materials from 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 used.

The college has rich collection of e-resources and CDs. Additionally, the college has well developed infrastructure in the form of laptops, computers, internet facilities (wired as well as WiFi), smart boards and LCD projectors.

File Description	Documents
Upload any additional information	**No File Uploaded**
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

18

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

34

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

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

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

26

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

491

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.

Internal assessment is a continuous process carried out during the teaching session. The main object of internal assessment is to

improve the performance of students and to reduce the pressure felt by them with regards to 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.

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	**Nil**
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 consistently 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

541

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/2022/03/2.6.3.-Annual-Report-2020-21.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/2022/04/2.7.1.-Feedback-on-Teachers-by-UG-and-PG-students-2020-21.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 decent impact factors.**

- **A good number of students have registered for Ph.D. programs.**
- **The college has signed two MOUs with organizations for availing their facilities and exchange of ideas. The details can be read at https://mohotasci.edu.in/mous/.**
- **The management of the college, through its corpus, has taken initiatives for the creation and transfer of knowledge among the faculties to have academic interactions as mentioned below.**

1. **For publishing research papers in International/ National journals, 20% of fees would be borne by the college.**
2. **For presenting research papers in local conferences/seminars and workshops, 20% of registration fees would be reimbursed by the college.**
3. **For filing National/ International patents, 50% of the patent filing registration fees would be borne by the college.**
4. **For delivering a talk in National/ International conferences as a resource person, the 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.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://mohotasci.edu.in/wp-content/uploads/2020/11/Documents-regarding-policy-for-research-assistance-by-SMMCs.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

2

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

1

File Description	Documents
URL to the research page on HEI website	https://mohotasci.edu.in/research/
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

21

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

5

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

Looking at the need of the time (pandemic), NSS unit of the college decided to undertake to take only those activities which would sensitize the students for a social cause and thus carried out the following activities in the nearby area of the college and at the college gate. To boost the morale of the college students an online lecture on the topic 'Being Resilient in Pandemic' was also organized.

- On 06.06.2020 and 29.06.2020: Face masks, medicines, and food items were distributed by 7 students who volunteered and some staff members, some management members, etc. On a public address system create awareness about the viral infection among the general public and explained the safety measures and personal hygiene.
- On 10.06.2020, five students of the college donated blood looking at the shortage of blood and its components faced by hospitals, in a camp was organized in association with

Prabhatai Ojha Smruti Seva Sanstha, Nagpur.

- **On 17.05.2021, NSS and IQAC jointly donated 10 Oximeter and Flowmeters to Shree Gajanan Shikshan Seva Sanstha, Nagpur.**
- **On 11.05.2021 an online lecture by NSS and IQAC Activity on the topic 'Being Resilient in Pandemic' Speaker: Dr. Amar Damle, eminent psychologist and counselor.**

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

5

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

263

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

3.5 - Collaboration

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

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

02

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

02

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. It is reflected from the budget that for infrastructure development, the allocated budget is Rs. 10375000.00/-, budget utilized is Rs. 5676777.42/-. College has purchased equipment, instruments and necessary laboratory facilities including 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 equipped with modern instruments which are useful for courses of undergraduate, post graduate and research. This year language lab was established; renovation of principal's and administrative office was undertaken, new washrooms (boys, girls and PwD). 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 time table committee prepares the time table as per the syllabus and available classrooms. The internet facility was strengthened for online classes. The college library was updated with computers, books, periodicals, journals, etc. The college has also upgraded the computers and computer laboratory.

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

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

A separate 'Physical Education and Sports Department' 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. As a social gesture, ground is kept open for nearby citizens for morning and evening walk. A swimming pool owned by 'Kamgar Kalayan Mandal' (Labor Development Board, Maharashtra Government) is engaged on rent for college students. The participating and award winning students are duly recognized and awarded certificates, track suits, medals on the Republic Day program. For cultural and social activities, auditorium hall (by combining room number 1 and 2 – capacity of about 250 and sometimes in room number 3 – with capacity of about 120) and an open air stage is also available. The training in the cultural activity is given by a member of non-teaching staff. He has keen interest in training the students in all cultural events. But, in 2020-21 the events organized were very limited because of pandemic situation – but some online events were organized. However, the past record shows that the students have bagged honors 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.

17

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)

56.76

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)

1. Name of the ILMS software: Libman

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	https://mohotasci.edu.in/library-information-centre/

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

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

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

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

`0.76`

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

`13.25`

File Description	Documents
Any additional information	**No File Uploaded**
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 and a color printer. We update and upgrade IT facilities including Wi-Fi. There are total 119 computers, 14 printers, 8 LCD projectors and 2 rooms with smart board. Most of the computers are connected with internet either with LAN cable and/or Wi-Fi, purchased from BSNL and Jio service. The institution uses MasterSoft CCMS software for automation of the office work like admissions, fee collection, ID card generation, bulk messaging, certificates generation and administration. The staff members use online free tools for conduction of examinations, seminars, conferences and guest lecturers. The library uses LibMan software for library automation work. Teachers have been using IT tools like computers, mobiles, laptops, smart boards, LCD projectors, Google Workspace, Zoom, Cloud meetings etc. for teaching – learning and evaluation. The entire campus is covered under camera surveillance for safety purpose.

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

4.3.2 - Number of Computers

119

File Description	Documents
Upload any additional information	View File
List of Computers	View File

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

File Description	Documents
Upload any additional Information	**No File Uploaded**
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)

24.28

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. In the CDC, IQAC meetings & the meetings of head of the departments and various committees, different issues are discussed. The management allocates the available funds as per the requirements and priorities through the principal.

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

The 'Library Advisory Committee' reviews the needs of the library. To ensure return of books, '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 have 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 the 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 and other contract agencies.

The concerned policy document is available at the following link: https://mohotasci.edu.in/wp-content/uploads/2020/10/Procedure-and-Policies-for-Maintaining-and-Utilizing-Physical.pdf

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://mohotasci.edu.in/wp-content/uploads/2020/10/Procedure-and-Policies-for-Maintaining-and-Utilizing-Physical.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

955

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

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

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

`13`

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	https://mohotasci.edu.in/wp-content/uploads/2022/03/5.1.3.-Additional-Information.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

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

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

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

4	

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	**No File Uploaded**
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

70

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

6

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.

0

File Description	Documents
e-copies of award letters and certificates	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at univer sity/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' council actively takes 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) To participate institution at intra and university level.

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 college development committee, 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 of students work as volunteers to promote various curricular, co-curricular, cultural, social and sports activities in the college. This year in 2020-21 most of the activities were social in nature conducted by NSS.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

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

2

File Description	Documents
Report of the event	[View File](#)
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	[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. They are an important part of the feedback system for the development and improvement of the college through IQAC. The alumni association had performed various cultural, educational 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 during the years. The life member fees is Rs. 1000/-. The total fund deposited so far by the members is Rs 3,16,000/-. The alumni association has planned to provide help in the infrastructure development of the college.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

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

The basic ethos of college vision and mission is producing knowledgeable, intelligent, hard-working, cultured, skilled, patriotic, environmentally responsible workforce to meet the present and future demands and challenges of the nation.

Therefore to create such a well-groomed workforce college is committed to academic excellence in teaching, learning, research, environment awareness, a sense of patriotism, and social encourages honesty, transparency, and accountability. For the implementation and execution of strategies the CDC, Principal, Vice Principal, Heads of the departments, and IQAC play vital roles. The IQAC acts as a liaising between management, the Principal, and the departments.

Programs are conducted not only to appreciate IQ but to enable students and staff to enhance emotional quotient (EQ) and spiritual quotient (SQ) as IQ + EQ + SQ = PsyQ (psycho-spiritual quotient). College conducted academic, cultural, sporting, and extra-cocurricular activities where staff and students from different socio-economic backgrounds participate in large numbers. So in most of the programs students and staff is deeply involved.

There is a participative management policy to encourage the faculty for curricular, co-curricular, and extra-curricular activities. The departments are always motivated and supported financially to arrange various activities for the benefit of students and faculty.

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.

College Development Committee (CDC), Principal, Vice Principal, Heads of the departments, and IQAC play vital roles in the implementation and monitor the plans. The formation and working of the committees is the major step towards the decentralization of work along with participative management. The committees are given the freedom to work and make decisions within the rules.

The overall working of the committees is supervised by the Principal and Vice-Principal. The list of the committees which are relevant to the students is also displayed on the student's corner of the college website.

The Principal, Vice-Principal, Heads or coordinators of the departments have been given departmental level freedom for teaching method/plan, time-table distribution, conduction of internal examinations, organization of guest lectures, activities of departmental societies, etc.

The principal is empowered to utilize and mobilize the finances and resources for the college development under the guidance of the management. The departments are also empowered for contingency and miscellaneous purchases. The departments are always motivated and supported financially to arrange various activities for the benefit

of students and faculty.

The principal authorizes staff to streamline the work at the university and other government offices.

File Description	Documents
Paste link for additional information	https://mohotasci.edu.in/wp-content/uploads/2022/03/6.1.2.-Additional-Information.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Having a university degree alone is not sufficient to get a job, nor is it sufficient in helping a student to stay ahead of their peers when it comes to the job hunt. A combination of factors, such as no work experience, poor command of English or the language of communication, and unrealistic salary expectations adds up to raise the number of unemployed youths. To make students employable, the Principal and IQAC thought of introducing some courses which would help the students to overcome these barriers. The Training & Placement Cell executed these programmes.

Hence the college organized a Campus Recruitment Training (CRT - of 44 lectures) and a Self Development for Career Development (SDCD - of 30 lectures) program for PG and UG students wherein expert faculties from various fields were invited to interact with the students in an online mode in June 2020. Broadly the following topics were covered in both the programmes:

- How to prepare for any type of Interview.
- Enhancing communication skills
- How to speak fluently in English
- Numerical ability
- Ability to write effectively in English.
- Ability to think critically.
- How to remain motivated and handle frustrations
- Soft skill development.
- Effective CV writing.
- Personality development.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://mohotasci.edu.in/wp-content/uploads/2022/05/6.2.1.-Perspective-plan-and-deployment-documents_compressed.pdf
Upload any additional information	**No File Uploaded**

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

The college is governed by the Nagpur Shikshan Mandal (NSM). It is headed by the President and has a secretary and executive members.

College Development Council (CDC) is the highest-level committee of the college and is constituted as per the rules and regulations given by the UGC from time to time. The President of the NSM is its chairman and the Principal is the secretary of this council. All institutional developmental proposals are placed, discussed and decisions are taken in this body in a democratic manner after healthy debate amongst all its members.

Principal heads administrative set-up. He is assisted by of Vice-principal who is also IQAC coordinator, department heads, librarian, office superintendent. The vice principal reviews the work of all PG coordinators, non-grant subject coordinators to ease out the principal's work. The NAAC coordinator also works under the principal and the IQAC coordinator for the preparation of AQAR.

Various college committees have members from both teaching and non-teaching staff. These committees ensure the implementation of academic and administrative decisions taken at the higher level of decision-making bodies.

The institution strictly follows service rules, procedures, recruitment, and promotion policies given by the UGC, Department of Higher Education, 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/2022/04/6.2.2.-Organogram-final.pdf
Upload any additional information	**No File Uploaded**

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 is committed to the welfare of its teaching and non-teaching staff. For this, the staff members are granted all the statutory leaves, average pay leaves and Duty Leave for official courses and meetings. Faculties are encouraged to attend and present their research papers at conferences, workshops and collegeoften funds the registration fees for the same.

The College has a Credit Co-operative Society which gives easy loans to both the teaching as well as non-teaching staff members. These loans are categorized as follows

- **Regular loan (3Lacs)**
- **Long term loan (4Lacs)**
- **Emergency loan (20,000/-)**
- **'Jinnas' loan (50,000/-)**

On the day of AGM, the Credit Co-operative society hands over dividend cheques, gift coupons and hosts lunch for all its members.

In addition to this College has a provision to provide a festival advance of ? 4000/- to its non-teaching staff for Diwali. Quarters are available on the college premises. The college has a 'grievances redressal' cell for all its 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

0

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

6.3.3 - Number of professional development /administrative training 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

2

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

11

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

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

Annual Self Appraisal Report (ASAR).

The institute has an appraisal system, that 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 the 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 the teaching and non-teaching staff is also to be written by the Heads of the departments and then by the principal. Generally necessary oral instructions are sufficient to the faculty or the non-teaching staff for further improvement.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

6.4 - Financial Management and Resource Mobilization

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

The expenditures incurred are under various budget heads of the institution. College receives funds/grants from UGC, other government agencies, philanthropists, etc. The timely checks are carried out by the accounts department of the college and an external auditor (Chartered Accountant). The receipts, vouchers, etc. are properly maintained. The stock/ledger books are kept updated. Equipment are purchased through the proper quotation method. The income, expenditure process is properly monitored by the principal and the management. Apart from this, regular meetings are also conducted which help in allocating the budget- department-wise/activity-wise, in tune with the objectives of the schemes. Audit /Verification is carried out in the following ways:

- verification of all cash bank receipts and payments.
- verification of TDS applicability,
- verification of all bank accounts
- verification of salary register
- verification of salary payments/ salary bills.
- verification of interest earned on investments.
- verification of budget variance
- verification of admission cancellation cases and its refund.
- verification of grant receivables (salary and non-salary)
- verification of miscellaneous and other income and receipts
- verification of grant receivables. (UGC, University and other funding agencies)

The internal audit was carried out by Mr. Sandeep Mundhada & Co. Chartered Accountants, Nagpur - for the session 2020- 21.

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)

0.75

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

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

The institution through its management and CDC has a well-planned, well-formulated, transparent financial management system. The college has government and management as the main sources of funds. The resource mobilization policy focuses on achieving the goals and target of the institution ensuring accountability and transparency. The CDC coordinates and monitors the optimal utilization of the funds for the promotion of a learner-centric ecosystem. Funds are provided to meet the basic infrastructure requirement of the institution while initiating new programs and courses.

The management provides financial support to seminars /workshops /expert talks / Association activities/faculty development programs. The extracurricular activities of the students are equally important in personality development and hence adequate funds are provided for cultural activities. Sports activity is also a major in shaping an individual and it also gets due credit.

Scholarships and free ships are distributed to the concerned students.

Grants from individuals, philanthropist is utilized as per their wish. The institutional scholarship fund is also useful to the financially weaker students who do not have any other scholarships.

Government funds are used under the heading for which it is sanctioned.

Transparency and accountability are ensured by conducting an annual audit.

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

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

Every department prepares its own academic calendar which is monitored by the principal of the college. The academic monitoring committee keeps a track of all academic activities. A good number of MoUs are signed with various organizations for the enhancement of quality education.

The college conducts a number of social activities and cultural events. Student mentoring is scrupulously followed in the institution. Parent-Teacher meets are also organized. All the faculty members are encouraged and supported 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 poor and needy students are provided with financial aid out of the colleges'local funds.

The college also provides a 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	**Nil**
Upload any additional information	View File

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

For a sustained cohesive mutual environment of learning, the teaching-learning process and its outcome is reviewed regularly by the principal and IQAC. Due to frequent lockdowns and related disturbances due to the pandemic, the methodologies of teaching and learning were changed so that the loss of students was minimum.

The IQAC has consistently promoted student and faculty exchange programmes with a view to nurturing talent, exchange of ideas across academic domains and disciplines.

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

Industry Interaction / Collaboration through various MOUs are designed so as to inculcate multi-disciplinary perspectives among the students.

Enhancement of library facility, ICT, and physical infrastructure is also reviewed regularly and necessary improvements are made. In order to make the students more technology-oriented, up-gradation, purchase of computers as well as laboratory instrumentation is taken care of.

The access to accurate and timely information, streamlining office processes, enhancing workflow, increasing efficiency and reducing the use of paper, working on best practices, integrating the

existing systems, and laying a foundation for new, emergent systems are also viewed by IQAC.

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/2022/03/2.6.3.-Annual-Report-2020-21.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

Women-wellbeing oriented women's cell is functioning in the College since 20th January 2006.

Vision: The vision of this cell is to generate awareness about the rights and responsibilities of women in society and to make them self-reliant and confident to contribute to nation-building.

Mission:

1. To create awareness about the social, legal, and constitutional rights and responsibilities of women.

2. To create general awareness about improvement in women's health and reproductive health, in particular.

3. To create and maintain a healthy, safe, and happy campus where women are not denied their rights.

4. To support and guide girl students with academic and non-academic problems.

5. To help girls become self-reliant by conducting various training and skill development programs.

6. To inculcate moral values and ethics in girl students.

Women cell conducts activities to achieve its vision and mission through guest lectures, demonstrations, development and training programs, workshops, etc. All the activities cover different areas like women empowerment, rights, and responsibilities, legal provisions for prevention of women exploitation, health improvement, skill development, motivation, and encouragement, etc.

For the convenience of girls, a sanitary pad vending machine is installed in the girls' common room. A separate vehicle parking slot is also available.

File Description	Documents
Annual gender sensitization action plan	https://mohotasci.edu.in/wp-content/uploads/2022/04/7.1.1-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/2022/04/7.1.1.-Additional-Information.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy	D. Any 1 of the above

Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

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 solid waste collected from the campus is bio-degradable and non-degradable. The college has a substantial number of dustbins installed in the corridors, laboratories, office, etc. The color code of dustbins helps in the segregation of wastage. The collected biodegradable matter is dumped in pits for decomposition over time. The solid biodegradable waste is collected from the parking area, college campus, and playground and dumped for decomposition to be used as a source of biofertilizer. The non-degradable waste is collected and disposed off by the conventional method of handing it to the Municipal Corporation.

Waste recycling system: The waste recycling management is carried through vermicomposting. The farmyard manure (FYM) is used as the starting material to be digested by the earthworms. Along with FYM, the leaf litter from the college campus is used. This aids in managing biodegradable waste and is an eco-friendly practice. The vermicompost thus produced is enriched with nutrients, growth hormones, and beneficial microorganisms. It acts as a soil conditioner. The compost produced is free from any adulteration. Some produce is used in college gardening as well and excess is sold out.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	**No File Uploaded**
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore	**D. Any 1 of the above**

well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

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

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	**No File Uploaded**

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	**E. None of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	**No File Uploaded**
Certification by the auditing agency	**No File Uploaded**
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](#)
Policy documents and information brochures on the support to be provided	**No File Uploaded**
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 to 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 uniforms compulsory for UG/PG students as the students coming to the college are from different socio-economic backgrounds. The college has also made uniforms for the non-teaching staff and dress code compulsory for the teaching 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 who are not covered under any scholarship are benefitted.

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

Due to COVID-19, cultural activities were not conducted, otherwise, the annual gathering of the college provides a great platform to the participants in which regional culture is on display in the form of various competitions. Students are motivated to participate in these competitions by the staff as per their interests.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
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 college and its management sensitize the students and employees of the institute to constitutional obligations: values, rights, duties, and responsibilities of citizens in order to make them responsible citizens.

The college celebrates all national festivals such as Independence Day, Republic Day, Gandhi Jayanti, National Youth Day, and ConstitutionDay to reinforce the supreme sacrifices of our freedom fighters in the minds of its students and employees.

The academic year 2020-2021 being the pandemic year, NSS unit of the college distributed face masks, medicines, food items to some needy, homeless, and underprivileged members of the society around the

college.

Volunteers grabbed the opportunity to create awareness about the viral infection among the general public. 10 oximeters and 5 flowmeters were also donated to Shri Gajanan Shikshan Seva Sansthan. Through these activities, students rendered Constitutional obligations and duties towards society.

Five students of college donated blood to Prabhatai Ojha Smruti Seva Sanstha, Nagpur.

By celebrating the women's day program our younger students were made aware of the women's contribution to different spheres of life. To sensitize the students about the threat to the environment due to climate change and rising levels of pollution, the college celebrated World Environment Day on 5th June 2021.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://mohotasci.edu.in/wp-content/uploads/2022/03/7.1.9.-Additional-Information.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 organizes national and international commemorative day(s) to mark particular events or topics in order to promote awareness and action among the masses in general and students in particular. It is usually a one to one and half hour function where a chief guest is a distinguished professional from the theme of the function. The chief guest enlightens the audience about the minute details of concern issues that fall within the scope of their competencies. Some of the functions which are regularly arranged are given below. These commemorative days of the national or international level are aimed to 'promote and mobilize action' among young minds. (Due to the pandemic the events were organized in offline or online mode). These functions are all-inclusive ones that involve the participation of students, non-teaching, and teaching staff.

Some of these days are: College Foundation day, Independence day, Teachers' day, Mahatama Gandhi Jayanti and Lal Bahadur Shastri Jayanti, Samwidhan Din, Marathi Bhasha Gaurav Din, International Women's Day, International Yoga Day, Parakram din, Republic day, International Women'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.

BEST PRACTICE 1

1. Title of the Practice: CRT (Campus recruitment training programme)
2. Objective of the Practice: To train the student and make them confident for various competitive examinations and campus interviews.
3. The Context: By going much beyond the textbooks life skills are to be taught, mathematical skills are to be developed for students of different backgrounds and aptitudes.
4. The practice: Still inclination towards professional courses has strong social acceptance and some of the students who come for B.Sc. feel dejected. To make them realize that every individual is unique and help them to be confident in seeking jobs is challenging.
5. Evidence of success: Many students have appreciated this unique programme. Many students have expressed that they have at least learned what are life skills and the importance of them in day-to-day life.
6. Problems encountered and Resources required: Ideally CRT course has to be of about 60 hours duration but due to other academic constraints, this course is restricted to 30-35 lectures.

BEST PRACTICE 2

1. Title of the practice: Vermicomposting
2. Objectives of the practice: To utilize (chemical-free) biodegradable waste of campus plants, leaves, etc. to prepare an organic fertilizer.
3. Context: Vermicomposting is an eco-friendly method of converting organic waste into nutrient-rich fertilizer. Such fertilizers contain biologically active substances which help in healthy plant growth. It is an environment-friendly process.
4. The Practice: Concrete vermicomposting unit was prepared on the campus. Garden waste of college and cow dung was procured and released into the unit. Earthworm species were released and the unit was maintained until compost became ready. This practice was done to achieve the goals of a pollution-free

5. Evidence of success: In 2020-21, about 330-350kgs of vermicompost was produced from a very small investment. About 50 kgs of this production were utilized in the garden and the rest of the vermicompost was sold in 1 kg bags.
6. Problems encountered and resources required: It was difficult to maintain this unit in Nagpur summer (45-46 degrees C) for two to three weeks. This year due to the pandemic situation, the involvement of students was quite restricted. Resources required are: Vermicomposting units with shade, a large amount of plant wastes, and availability of water

Notes (optional): In addition to these best practices, the additional practices undertaken by the college are FDP, a computer literacy programme for non-teaching staff, self-development for career development. The details of these activities have been mentioned at suitable places.

File Description	Documents
Best practices in the Institutional website	https://mohotasci.edu.in/institutional-best-practices-2/
Any other relevant information	https://mohotasci.edu.in/wp-content/uploads/2022/03/7.2.1.-Additional-Information.pdf

7.3 - Institutional Distinctiveness

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

The management - Nagpur Shikshan Mandal, which runs this college, has a basic aim to provide knowledge and uplift each and every student who has secured admission in this college. The college also aims to provide education in basic sciences and further enhance the physical, economical and intellectual wellbeing of students. The college management believes that there can be growth of the college only when a harmonious environment is maintained at every level. Thus an all-inclusive and all participative policy is being adopted by the college.

The college conducts one week short term certificate 'Multi Skill Development Programme' on various topics. The distinctiveness of the institution lies in the fact that the courses are designed by the college faculty members of the college in consultation with the

experts of the respective fields. In these courses the students are not only provided with theoretical knowledge, but more emphasis is given on developing practical skills.

In order to develop and brush up the soft shills and interview skills of the students, Self Development for Career Development (SDCD) for B.Sc. students and Campus Recruitment Training (CRT) course was conducted for the M.Sc. students in June 2020.

File Description	Documents
Appropriate web in the Institutional website	[View File](#)
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. Getting recognition as place of higher learning and research in Zoology and Botany
2. Start offering additional courses at under and post-graduate levels, namely, B.C.A. (Bachelor of Computer Applications), B.Sc.- I.T. (information Technology), B.Sc. Microbiology, M.Sc. Computer Science
3. Expansion of infrastructure by construction of classrooms and laboratories for additional courses and additional sections of existing courses
4. Modernization of laboratories to support practical courses and research
5. Increasing number of ICT enabled rooms
6. Upgradation of the college website to communicate with the students and other stakeholders virtually
7. Optimum use of Learning Management System including proctored examination portal
8. Installation of solar street lights on the campus to reduce dependency on non-renewable energy resources
9. Expansion of rainwater harvesting system
10. To make provision for homeopathic consultation for the society on the college campus
11. Construction of auditorium, conference room
12. Construction of the basketball court
13. Construction of indoor badminton court and swimming pool