

Yearly Status Report - 2019-2020

P.	art A
Data of the Institution	
1. Name of the Institution	SHRI MATHURADAS MOHOTA COLLEGE OF SCIENCE
Name of the head of the Institution	Dr. J. R. Dontulwar
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07122744992
Mobile no.	9890943225
Registered Email	mohotacollege@yahoo.co.in
Alternate Email	iqac.smmcs@gmail.com
Address	Sakkardara Square, Umrer Road, Nagpur - 440024
City/Town	Nagpur
State/UT	Maharashtra
Pincode	440024

Affiliated / Constituent			Affiliated		
Type of Institution			Co-education		
Location			Urban		
Financial Status			Self finance	d and grant-in	n-aid
Name of the IQAC	co-ordinator/Directo	r	Dr. Mrs. R.	S. Saha	
Phone no/Alterna	te Phone no.		07122744992		
Mobile no.			9822724232		
Registered Email			saha.rina.s@	gmail.com	
Alternate Email			iqac.smmcs@g	mail.com	
3. Website Addro	ess		I		
Web-link of the AQAR: (Previous Academic Year)			<u>http://mohotasci.edu.in/wp-content/</u> ploads/2020/11/SMMCS- AQAR-2018-19-Updated.pdf		
4. Whether Acad the year	emic Calendar pre	pared during	Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			http://mohotasci.edu.in/wp-content/uplo ads/2020/08/Academic- Calendar-2019-20.pdf		
5. Accrediation I	Details				
Cycle	Grade	CGPA	Year of	Vali	dity
			Accrediation	Period From	Period To
3	A	3.10	2017	22-Feb-2017	21-Feb-2022
6. Date of Establ	ishment of IQAC		01-Nov-2005		
7. Internal Qualit	y Assurance Syste	em			
	Quality initiative	s by IQAC during t	he year for promotin	a quality culture	
		, se adnig t			

IQAC		
International Yoga day	21-Jun-2019 1	108
Unemployment is a Myth, Mr. Bharat Bylappa, Bangalore, MD, Bharat Group Of Industries	05-Sep-2019 1	1100
Two lectures on Desirable attributes of Research and Publication ethics by Dr. Veena Prakashe and Dr. Sanjay Dhoble	03-Jan-2020 1	109
NAAC Sponsored National Seminar on Teaching, Learning, Evaluation and best practices	13-Dec-2019 2	211
Right to Information: Lecture by Shri Navin Agrawal, Registrar, Sindhu Mahavidyalaya	06-Jan-2020 1	42
Importance of Financial Planning: Mr. Milind Khasnis, Nagpurs leading financial advisor	06-Jan-2020 1	38
Women Empowerment by self- defence: 2 coaches each from US and Australia	13-Jan-2020 2	176
Webinar on Innovative Teaching & Learning through Digital Platforms by Dr. Rekha Sharma and Dr. Jyoti Patil	29-May-2020 2	1352
	<u>View File</u>	

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

Institution/Departmen t/Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
College	Salary grant	Government of Maharashtra	2019 365	68896602	
College	Medical grant	Government of Maharashtra	2019 365	1766769	
College	Non-Salary grant	Government of Maharashtra	2019 365	750800	
Faculty (Dr. J. N. Ramteke)	Travel Grant	UGC	2019 365	125951	
Faculty (Dr. D. V. Nandanwar)	Travel Grant	UGC	2019 365	122369	
<u>View File</u>					

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes			
Upload latest notification of formation of IQAC	<u>View File</u>			
10. Number of IQAC meetings held during the year :	4			
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes			
Upload the minutes of meeting and action taken report	<u>View File</u>			
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No			
12. Significant contributions made by IQAC during	the current year(maximum five bullets)			
1 Short term courses and Bridge courses were conducted at the beginning of the session for the students of B.Sc. I.				
2 A programme for students, Unemployment is a Myth, was conducted at Suresh Bhatt Sabhagruga, Nagpur on the occasion of Teachers Day (05 Sep. 2019).				
3 NAAC sponsored two days National Seminar on Teaching, Learning, Evaluation and Best Practices for Quality Sustenance in Higher Education, was organized on 13 and 14 Dec. 2019.				
4 One day Workshop on Desirable attributes of Research and Publication Ethics was organized on 03 Jan. 2020. The guest lectures were delivered by Dr. S. G. Dhoble Dr. Vina Prakashe.				
5 Training Workshop on Self Defense, A St International Experts was organized on 13				
<u>View File</u>				
13. Plan of action chalked out by the IQAC in the beg Enhancement and outcome achieved by the end of t				
Plan of Action	Achivements/Outcomes			
To encourage all departments to conduct Skill development course/Poster/Debate/ Essay writing/Books Exhibitions/Seminar s/Symposium/Excursion tour/Guest lecture of Eminent Personalities	Department of Electronics organized Guest Lecture and Poster Competition held on 13082019. • Rakshabandhan was organized by the Electronics Department in the Old Age Home, Panchavati, Nagpur on 20082019.			
organized on 03 Jan. 2020. The guest lect Dr. Vina Prakashe. 5 Training Workshop on Self Defense, A St International Experts was organized on 13 View File 13. Plan of action chalked out by the IQAC in the beg Enhancement and outcome achieved by the end of t Plan of Action To encourage all departments to conduct Skill development course/Poster/Debate/ Essay writing/Books Exhibitions/Seminar s/Symposium/Excursion tour/Guest	tures were delivered by Dr. S. G. Dhoble tep Towards Women Empowerment, by 3 and 14 Jan. 2020. ginning of the academic year towards Quality he academic year Achivements/Outcomes Department of Electronics organized Guest Lecture and Poster Competition held on 13082019. • Rakshabandhan was organized by the Electronics Department in the Old Age			

The Dept also inaugurated Electronics society on 26082019. MSME discussion on entrepreneurship was conducted by the Electronics Department on 15102019. • The IQAC of the college organized NAAC sponsored Two Days National Seminar on "Teaching, Learning, Evaluation, and the Best Practices for Quality Sustenance in Higher Education" on 1314 December 2019. Hon'ble ViceChancellor of Atal Bihari Vajpayee University, Bilaspur, Dr. G D Sharma delivered inaugural talk. • The IOAC of the institution organized Two Days Training Workshop on "Self Defense by International Experts" in collaboration with Esesson Foundation (US/Australia) on 1314 January 2020. • Dept. of Botany organized a Guest lecture on "Peoples Biodiversity Register Act 2002" on 24092019. • A Poster Competition (B.Sc./M.Sc. students) was held on National Science Day by the Botany Dept. on 24092019. • Dr. KD Gomkale Lecture Series was organized by Botany Dept. on 1011 January 2020. Four Lectures were delivered in the series by the eminent speakers. Excursion and Study tours were conducted by the Botany Dept. for B.Sc. I, M.Sc. II students to Kunwara Bhimsen and PKV field, Nagpur on 07102019 and 29092019 respectively. • Dept. of Computer Science organized a Quiz Competition on the National Science Day. • Dept. of Languages organized Elocution, Reading and Essay Writing Competitions on 26082019, 11022020 12032020 respectively. Chhatrasamvaad, a college wall magazine was published (30012020 to 13022020) by the Language dept. The Language Dept. organized a guest lecture on "Career BuildingAvenues to Success" for B.Sc./M.Sc. students on 08022020. Shri Nitin Murme, CDC Academy, Nagpur lucidly elucidated various career opportunities for the aspiring students. • Rajbhasha Din was celebrated by the Language dept. on 27022020. • Dept. of Geology organized one day Training Programme at GSI for B.Sc. VI sem students under the aegis of Bhumisamvad (Ministry of Mines, Govt. of India on 30012020.) A Geological field Excursion

1	
	around Ramtek and Parseoni was conducted by Geology dept. for B.Sc. VI sem students on 18022020. • IGNOU has offered a centre for teaching of Geology as a part of B.Sc. Degree to the Geology Department. • Zoology Dept. organized awareness programme on "Cancer Prevention and Screening" on 28122019. Dr. Naresh Jadhav and Dr. Madhuri Gawande , specialists in American Oncology, elaborated several causes of this lethal disease and its preventive measures. • One day Workshop on "Desirable Attributes of Research Publication Ethics" was jointly organized by IQAC Zoology Dept. on 0301
To encourage students to participate in	Dr MG Dhonde delivered an invited Guest
college, university and national level	Lecture on "Pericyclic Reaction" on 19092019 at Taywade College, Koradi. He also delivered a Guest lecture on IR for B.Sc. students at N. Kale Model College, Karanja on 07102019. • Five students of Dept of Chemistry (B.Sc. Semester IVVI) bagged top position in IITPRE -JAM Test Exam. held on 29062020 from among 21 colleges and 327 students of various universities. • Ms. Neha Kundanwar and Pooja Tole (M.Sc. II Sem) won second prize in Seminar Competition held on National Mathematics Day at Mathematics Department, RTM Nagpur University on 23122019. • Ms. Pooja G. Balapure (B.Sc. IV sem) selected in Mini Mathematics Training Talent Search Programme held between 27 Jan. 01 Feb, 2020 at VNIT, Nagpur. • M.Sc. Zoology students bagged Second Prize in InterCollege Cultural Competition held at Sevadal Mahila Mahavidyalaya, Nagpur on 27th Feb. 2020.
Conducting wominus shill besed show	
Conducting various skill based Short Term Courses	06 (Six) Short Term Courses were conducted during 2019-2020. Electronics - Circuit Design, Chemistry - Soil Testing, Botany - Mushroom Cultivation, Zoology - Sericulture, Physics - Noise Pollution & Geology - Ground Water Exploration
To encourage faculty members and students to participate in various conferences, symposium, workshop and seminar	Dept. of Physical Education observed National Sports Day in memory of Major Dhyanchand on 29th August 2019 and elicited various national winners (sportsmen) in college. • Dept. of Physical Education organized Inter Collegiate Swimming, Diving, Water Polo Tournament at Kamgar Kalyan Swimming Pool on 27, 28, 29 Sept. 2019. Fifty

Nine College teams participated in the tournament. • Dept. of Physical Education organized Intercollegiate Volleyball Women Tournament on 5th and 6th October 2019. 25 College teams participated in the tournament. • Dept. of Physical Education organized Intercollegiate Volleyball Men Tournament on 12th to16th October 2019. 25 College teams participated in the tournament. Siddhesh Hardas, Patham Bahel, Kunal Pawar, Yash Lanjewar secured Five Gold, Two Silver and Two Bronze Medals (I, III IV Sem Students). • Two Swimmers represented All India Inter University Swimming Competition held at Amritsar from 2nd October to 6th October 2019. • Inter Collegiate Annual Swimming Tournament was held at Kamgar Kalyan Swimming Pool, Nagpur from 27th Sept. to 29th Sept. 2019. • Our college became champion for the Third time and secured 27 points. • State level Swimming Competition was held at Nagpur from 2nd to 6th October 2019 in which our college student • Mr. Abhishek Lohkare won the water polo tournament and was selected in Maharashtra Water polo team. Mr. Abhishek Lohakare, Shantanu Kholkute, Atul Ambagade, Arjun Bhosale, Prathamesh Bahel, and Tanmay Kahate won State Level Competition for 5 km. from Sunk Rock to Gateway of India, Mumbai Sea Race on February 2020. • Ku. Shreya Ayalwar won Gold medal in Inter collegiate Fencing Competition held at RTM Nagpur University in January 2020. She was also selected in RTM Nagpur University Team for All India Inter University competition held at Amritsar in February 2020. • Sports Dept. organized Medical Examination for B.Sc. I, II, III (boys and girls) students at the dept. in January 2020. The dept also organized Physical Test for them in February 2020. • Our college team participated in various RTM Nagpur University Sport Tournaments like Chess, Volleyball, Kabbadi, Swimming, Water polo, Athletics, Hand ball, Cricket, Wrestling, Judo, Cross Country (boys girls). • The Department of Physical Education of our college has organized Summer Coaching Camp for various sports during 16th April to 19th April 2019.

students

Guest Lecture and Poster Competition held on 13082019. •

Rakshabandhan was organized by the Electronics Department in the Old Age Home, Panchavati, Nagpur on 20082019. The Dept also inaugurated Electronics society on 26082019. MSME discussion on entrepreneurship was conducted by the Electronics Department on 15102019. • The IQAC of the college organized NAAC sponsored Two Days National Seminar on "Teaching, Learning, Evaluation, and the Best Practices for Quality Sustenance in Higher Education" on 1314 December 2019. Hon'ble ViceChancellor of Atal Bihari Vajpayee University, Bilaspur, Dr. G D Sharma delivered inaugural The IQAC of the talk. • institution organized Two Days Training Workshop on "Self Defense by International Experts" in collaboration with Esesson Foundation (US/Australia) on 1314 January 2020. • Dept. of Botany organized a Guest lecture on "Peoples Biodiversity Register Act 2002" on 24092019. • A Poster Competition (B.Sc./M.Sc. students) was held on National Science Day by the Botany Dept. on 24092019. • Dr. KD Gomkale Lecture Series was organized by Botany Dept. on 1011 January 2020. Four Lectures were delivered in the series by the eminent speakers. Excursion and Study tours were conducted by the Botany Dept. for B.Sc. I, M.Sc. II students to Kunwara Bhimsen and PKV field, Nagpur on 07102019 and 29092019 respectively. • Dept. of Computer Science organized a Quiz Competition on the National Science Day. • Dept. of Languages organized Elocution, Reading and Essay Writing Competitions on 26082019, 11022020 12032020 respectively. Chhatrasamvaad, a college wall magazine was published (30012020 to 13022020) by the Language dept. The Language Dept. organized a

guest lecture on "Career BuildingAvenues to Success" for B.Sc./M.Sc. students on 08022020. Shri Nitin Murme, CDC Academy, Nagpur lucidly elucidated various career opportunities for the aspiring students. • Rajbhasha Din was celebrated by the Language dept. on 27022020. • Dept. of Geology

	organized one day Training Programme at GSI for B.Sc. VI sem students under the aegis of Bhumisamvad (Ministry of Mines, Govt. of India on 30012020.) • A Geological field Excursion around Ramtek and Parseoni was conducted by Geology dept. for B.Sc. VI sem students on 18022020. • IGNOU has offered a centre for teaching of Geology as a part of B.Sc. Degree to the Geology Department. • Zoology Dept. organized awareness programme on "Cancer Prevention and Screening" on 28122019. Dr. Naresh Jadhav and Dr. Madhuri Gawande , specialists in American Oncology, elaborated several causes of this lethal disease and its preventive measures. • One day Workshop on "Desirable Attributes of Research Publication Ethics" was jointly organized by IQAC Zoology Dept. on 0301 w File
14. Whether AQAR was placed before statutory body ?	Yes
Name of Statutory Body	Meeting Date
CDC	28-Aug-2021
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	11-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Our institution has been using the following modules for Management Information System (MIS): LIBMAN - (Library Management System) which is a highly integrated user friendly

serial control, newspapers entry and other utilities are being monitored through LIBMAN. It also generates various reports like the accession register, book purchasing report, total number of book titles, copies, funds, book circulation, reminder and find calculation report. It also provides the barcode printing for books and borrowers, book tickets, notices, etc. This software also generates MIS reports in a graphical format. The College Management System (CMS) was helpful in the office work related to: student's applications for the university examinations, enrolment in the university, distribution of students admission cards for all the examinations. This module has therefore made the processes significantly fast and smooth and reducing the physical burden on the college staff. It has also helped in the collection of fees from students and generation of computerized receipts.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

This college is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. The academic calendar is communicated to the colleges by the university. It is in fact an outline of the calendar. The further details are executed at the college. As IQAC plays an important role in designing, development and execution of the action plan, on the basis of the University calendar a detailed calendar is planned in the IQAC. The calendar of academic and cultural activities of the college is also finalized. The college council is also a platform to discuss various academic, administrative matters. The faculty members put forward their suggestions in the college council. The appropriate inputs are included for effective implementation. The college also offers various value added courses as part of the 'Multi Skill Development Programme' to all the students admitted to B.Sc. semester I. These courses are divided in two groups, namely, personality development and subject specific for vocational and entrepreneurial development. The subject specific courses are offered to students according to the subject groups they choose for the degree course. Curriculum / syllabi of all these courses are designed by the respective subject coordinators who are the faculty members of the college in consultation with the experts from the subject. • The HoDs conduct the departmental meetings for 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 time table as per the directions from the university. • Each faculty member marks attendance of students for theory and practical courses. • Continuous evaluation is carried out through Unit Tests/ Home Assignments/ Homework, etc. or combination of few of these. • Study material and question banks are provided as per the need. • Some faculty members of the college have given useful suggestions to the members of Board of studies in their respective subjects. • Some of the faculty members are also the members of the Board of Studies for respective subjects in the university and directly participate in the syllabus/ curriculum designing. • Feedback mechanism helps for effective implementation of curriculum as per the needs expressed by the students from time to time. • College has various subject wise 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 the newly admitted students at the start of academic session.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year								
Certificate Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development				
0 0	Nil	0	0	0				
1.2 – Academic Flexibility	.2 – Academic Flexibility							
1.2.1 – New programmes/courses introduced during the academic year								
Programme/Course	Programme S	Specialization	Dates of Int	roduction				
Nill	N	IIL	Ni	.11				
	No file	uploaded.						
1.2.2 – Programmes in which Choice B affiliated Colleges (if applicable) during	•	· · ·	e course system imple	emented at the				
Name of programmes adopting CBCS	Programme S	Specialization	Date of impler CBCS/Elective C					
Nill	NIL		Nill					
1.2.3 - Students enrolled in Certificate/	Diploma Courses	introduced during	the year					
	Certif	icate	Diploma	Course				
Number of Students	N	il	N	il				
1.3 – Curriculum Enrichment								
1.3.1 – Value-added courses imparting	transferable and lif	fe skills offered du	iring the year					
Value Added Courses	Date of Int	troduction	Number of Stud	lents Enrolled				
Mushroom Cultivation	22/0	7/2019	5	0				
Noise Pollution and its Control	23/0	7/2019	6	0				
Soil Analysis	23/0	7/2019	4	.4				
Printed Circuit Board Implementation	22/0	7/2019	4	:0				
Groundwater Exploration	23/0	7/2019	3	9				
Sericulture	22/0	7/2019	7	2				
	<u>View</u>	<u>/File</u>						

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	B.Sc. (Geology)	43
BSc	B.Sc. (Botany)	170
MSc	M.Sc. (Botany)	31
MSc	M.Sc. (Zoology Project)	5
MSc	M.Sc. (Botany Project)	б

1.4 – Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	No

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The feedback committee has developed and implemented an effective feedback collection system using Google forms. The feedback was collected, analysed and suitable steps were undertaken for development of the college. The feedback was collected on various parameters which dealt with teaching-learning process, administration, facilities available at the institution, curriculum, extension activities, etc. The feedback was analysed on a five-point scale. Till 2018-19, the feedback was collected annually, at the end of even semester. But our college has recognized the significance of feedback system and considers it to be a steppingstone for the upliftment of teaching-learning, providing upgraded facilities to the students, as well as for understanding and overcoming our weaknesses and loopholes. Hence from 2019-20, the feedback was collected in both semesters and students were encouraged to provide unbiased feedback without and fear or favour. The committee also took the initiative to record the feedback from the undergraduate and postgraduate students on teaching methodology of individual teachers. The curriculum feedback was collected from students, alumni, and teachers. Currently the committee collects the curriculum feedback annually. Also, the college has decided to take the feedback from parents. The curriculum feedback was collected from 1119 students pursuing graduation and postgraduation. After analysis it was found that 78.9 students felt that the syllabus was updated as per the current scenario, and 72.3 students felt that syllabus should be vocational or skill based. Overall, the students were of the opinion that the syllabus should be oriented towards employability, with emphasis on project and field work and should also have some advanced topics. The teachers also opined on the need for upgradation of the syllabus with inclusion of research based, experiential and skill based pedagogical tools. The valid suggestions were discussed with the teachers working on various university bodies. The institution does not have the freedom for designing syllabus hence we have initiated "Skill based certificate courses" for providing preliminary knowledge of a particular skill, which aims at complementing the conventional syllabus. Taking cognizance of the students' demand to include skill-based learning and to encourage industry interactions,

the institution has planned to apply for B.Voc. courses in 2020-21, the syllabus for which will be designed by the institution. The Alumni association is vital to the college and is active towards enrichment activities for the students. Suggestions of the Alumni Association on college development and are communicated to the Principal. Annual meetings with teachers are held where they are encouraged to put forth their views for the effectual working of the college. The recommendations from teachers are crucial as they are a link between the students and the administration. The suggestions received from the stakeholders are discussed with the management and IQAC and implemented to the institution.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	5		Number of Application received	Students Enrolled
BSc	Science	1260	1835	1053
MSc	Botany	44	Nill	36
MSc	Chemistry	44	Nill	42
MSc	Mathematics	44	Nill	38
MSc	Physics	44	Nill	45
MSc	Zoology	44	Nill	38
	•	View File	•	

<u>View File</u>

2.2 – Catering to Student Diversity

2.2.1 - Student - Full time teacher ratio (current year data)

_						
	Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers
		in the institution (UG)	in the institution (PG)	available in the institution	institution	teaching both UG and PG courses
				teaching only UG courses	teaching only PG courses	
I	2019	1053	199	23	5	28

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), Elearning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e- Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used			
42	33	18	5	2	14			
View File of ICT Tools and resources								
View File of E-resources and techniques used								

2.3.2 - Students mentoring system available in the institution? Give details. (maximum 500 words)

The institution understands the importance of mentoring in shaping the academic and social life of a student. Through this scheme, the institution aims to cater to individual needs of the student pertaining to the academic, social, financial and psychological developments during and after his/ her graduation. The students that are admitted to the college belong to various strata of the society with different socioeconomic backgrounds and

needs. The college tries to take care of such needs. The college enrolls the students in the mentor-mentee scheme as soon as they are admitted. Every batch of students admitted to a particular subject combination was assigned a teacher mentor to monitor their overall development. At the end of academic year 2019-20, every individual faced an unprecedented situation of COVID pandemic. There were new challenges. This led to shifting of focus from offline to online mode of teaching. However, the institute and its stakeholders quickly adopted the new method of teaching-learning. The mentor-mentee scheme helped a lot in effective communication to each and every student through electronic media platforms like WhatsApp, Facebook, emails, etc. so as to complete the remaining syllabus, conduct online examination and other details. The mentors had collected the information about their mentees including personal details, contact information, academic performance. The contact details data of the mentees helped during the lockdowns. During the meeting with the mentee(s) the important aspects which were discussed were: 1. Solving the issues faced by them on personal, academic, financial grounds. 2. Male and female students were guided on gender specific issues separately, whenever required. 3. The students' strengths and weaknesses were analyzed through interactions and tests to find out the advanced and slow learners. The slow learners were helped to improve their knowledge base and the advanced learners were motivated with additional resources in the field of their interest. Advanced learners were also encouraged to participate in competitions, seminars, conferences, and were motivated to study for the competitive examinations and various entrance tests. 4. Some mentees were helped to manage the stress through personal counseling. 5. The mentees were made aware about the welfare schemes offered to them by different government agencies, the university and NGOs. 6. Special efforts were taken to imbibe/ boost leadership skills by giving them the opportunities to organize and manage different events at departmental and college levels. They were encouraged to participate in the co-curricular and extra-curricular activities including sports and cultural events. 7. The mentees were made aware about their constitutional rights and at the same time they were reminded about their responsibilities. 8. Some teachers interacted with parents. 9. The students were made aware about the efforts of the institution for their all-round development. For further improvement the students were asked to give a fair and frank feedback. The mentees have shown some improvements in their behavior, manners, academics, etc. (out of 23 full time teachers, 18 teachers were given the responsibility to work as mentor. Kindly see the following link: https://mohotasci.edu.in/mentors/)

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio		
393	23	1:17		

2.4 – Teacher Profile and Quality

2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
48	23	25	1	21

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Vijay V. Soman	Associate Professor	Appointed as the resource person for the OCSC (Orientation Cum Selection Camp at HBCSE- TIFR, Mumbai to select five students who would represent India in International Physics Olympiad at Tel Aviv, Israel in July 2019. (Duration: June 01

			to June 08,
2019	Dr. Vijay V. Soman	Associate Professor	Appointed as the Scientific Observer of the Indian delegation participating in the International Physics Olympiad held in Tel Aviv, Israel in July 2019. Completely sponsored by the Government of India
2019	Dr. Vijay V. Soman	Associate Professor	Infosys award at Homi Bhabha Centre for Science Education, TIFR, Mumbai, India
	<u>View</u>	<u>/File</u>	

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination
MSc	Physics	IV	28/10/2020	28/11/2020
MSc	Chemistry	IV	28/10/2020	28/11/2020
MSc	Mathematics	IV	28/10/2020	28/11/2020
MSc	Botany	IV	28/10/2020	28/11/2020
BSc	B.Sc.	II	19/06/2020	16/10/2020
BSc	B.Sc.	IV	20/06/2020	16/10/2020
BSc	B.Sc.	VI	21/10/2020	23/11/2020
MSc	Zoology	IV	28/10/2020	28/11/2020

2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The IQAC of the Institution performs an important role in Continuous Internal Evaluation of students. In accordance with the academic calendar of the institution, the academic calendars of subject departments are prepared, which have the schedule for tests and other activities such as study tours, seminars, assignments, project work, etc. The overall performance of the students is evaluated on the basis of various criteria such as regular attendance in theory and practical classes, punctuality, marks obtained in unit tests, submission of assignments in time, performance in seminars, project work and participation in various extracurricular activities. Subject teachers and mentors use these criteria to determine the learning level of students and also identify the slow learners and provide guidance to them to improve their performance. The results of unit tests and term exams are conveyed to students, which helped them to evaluate their own level of preparedness and contact respective teachers regarding guidance for improving their academic performance. The continuous internal evaluation system implemented by the institution is very beneficial as it helps in enhancing the academic performance of the students.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The academic calendar of our college is prepared at the beginning of each academic session, in accordance with the schedule given in the University academic calendar. The institutional academic calendar provides a schedule for the induction of new students, conduction of bridge course, short term skill development course, guest lectures, study tours, field visits, unit tests, seminars, submission of assignments, social activities, cultural activities and activities for the National Science Day. This academic calendar is prepared in consultation with all the heads of the subject departments. The time table committee prepares the time table for the conduction of theory and practical classes. This time table is displayed on the notice board for the perusal of students. On the basis of this time table, each Head of Department prepares the individual time table of each teacher of the department and assigns them various duties. The academic calendar helps the teachers and students. IMPORTANT DATES: First Term (Odd Semesters) 15.06.2019 to 19.10.2019 Winter Vacation 20.10.2019 to 19.11.2019 Second Term (Even Semesters) 20.11.2019 to 30.04.2020 Summer Vacation 01.05.2020 to 14.06.2020 Last date of admission (First Term) 05.08.2019 Commencement of Winter Examination (Regular Students) 18.10.2019 Commencement of Winter Examination (Failure Students) 03.10.2019 Commencement of Summer Examination (Regular Students) 12.03.2020 Commencement of Summer Examination (Failure Students) 22.02.2020 Results declaration by the University as per its schedule Multi skill development program and Bridge Course 08.07.2019 to 13.07.2019 Teachers Day 05.09.2019 National Science Day 28.02.2020.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://mohotasci.edu.in/wp-content/uploads/2020/10/POs-PSOs-and-COscompressed.pdf

6.2 – Pass percen	tage of students				
Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
M.Sc.	MSc	Physics	23	23	100
M.Sc.	MSc	Chemistry	20	20	100
M.Sc.	MSc	Mathematics	16	16	100
M.Sc.	MSc	Botany	14	13	96
M.Sc.	MSc	Zoology	16	15	93.75
B.Sc.	BSc	Science	352	347	98.58

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://mohotasci.edu.in/wp-content/uploads/2021/05/Teachers-Analysis-2019-20.pdf

Analysis-2019-20.pdf								
CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION								
3.1 – Resource Mobil	ization for Res	search						
3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations								
Nature of the Project	Duration	I	Name of th age	-		Total grant sanctioned		Amount received during the year
Nill	0			0		0		0
			No file	uploaded	•			
3.2 – Innovation Ecos	system							
3.2.1 – Workshops/Ser practices during the yea		ed on In	tellectual Pr	operty Righ	its (IPR)) and Indu	stry-Acac	demia Innovative
Title of workshop	o/seminar		Name of t	the Dept.			Da	ate
0			0)				
3.2.2 – Awards for Inno	ovation won by I	nstitutio	n/Teachers/	Research s	cholars	/Students	during th	e year
Title of the innovation	Name of Awa	ardee	Awarding	Agency	Dat	e of awar	d	Category
Scholarship for Higher Education	Ms. Jyo Arjun San		D	OST	29/11/2019		19	INSPIRE
			View	<u>r File</u>				
3.2.3 – No. of Incubation	on centre create	d, start-	ups incubat	ed on camp	us durir	ng the yea	ır	
Incubation Center	Name	Spon	Sponsered By Name of the Start-up			e Nature of Start- up		Date of Commencement
0	0		0	0	0		0	Nill
			No file	uploaded	•			
3.3 – Research Public	cations and Av	wards						
3.3.1 – Incentive to the	teachers who re	eceive r	ecognition/a	awards				
State			Natio	onal			Interna	ational
0			1				1	L
3.3.2 – Ph. Ds awarded	d during the yea	r (applic	cable for PG	College, R	esearch	Center)		
Name	of the Departme	ent			Num	ber of Ph	D's Awar	ded
	0					N	i11	
3.3.3 – Research Publi	cations in the Jo	ournals	notified on l	JGC website	e during	the year		
Туре	D	epartm	ent	Number	of Publi	cation	Average	e Impact Factor (if any)
National		Geolo	рду		1			0
National		Physi	lcs		2			0
Internationa	al	Bota	ny		1			4.93
Internationa	al E	lectro	onics		1			6.3
Internationa	al	Physi	lcs		2			3.02

International	Zoology	4	4.12				
International	Chemistry	1	5.76				
International	Chemistry	1	1.52				
View File							
3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference							

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication				
Chemistry	3				
Physics	5				
Zoology	2				
<u>View File</u>					

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

						1
Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Acid Catalyzed Knoevenage l Condensa tion Of Th iobarbitur ic Acid And Aldehyde At Room Te mperature Stirring	Dr. M. G. Dhonde	Synthetic Communicat ion	2020	0	yes	Nill
Rapid Synthesis Of Garnet Structured Aluminosil icate Phosphors	Dr. D. V. Nandanwar	Journal of Lumines cence	2019	1	yes	1
Cyan Emitting C a3Sc2Si1.5 Ge1.5012 :Ce3 Phospor With 10.4 ns Lifetime	Dr. D. V. Nandanwar	Journal of Lumines cence	2019	0	yes	Nill
			<u>View File</u>			
3.3.6 – h-Index o	f the Institutiona	Publications du	ring the year. (ba	ased on Scopus/	Web of science)	
Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations	Institutional affiliation as

						excluding citatio	-	mentioned in the publicatior
Rapid Synthesis Of Garnet Structured Aluminosil icate Phosphors	Dr. I V. Nandanw	of Lumine		019	1	1		yes
I		I	View	v File				1
.3.7 – Faculty pa	articipation	in Seminars/Confe	erences and	l Symposia	a during the ye	ar:		
Number of Fac	ulty	International	Natio	onal	State	э		Local
Attended/S nars/Worksh		13		20	1			7
Presente papers	∋d	11		5	Ni	11		Nill
Resource persons	e	Nill		2	1			Nill
			<u>View</u>	<u>v File</u>				
	of extension t Organisation	and outreach pro ons through NSS/	/NCC/Red c	ross/Youth		(RC) etc.,	during	•
		Organising unit/agency/ collaborating agency		participated in such activities			participated in such activities	
Blood Donation Camp on 28-08-2019		NSS Unit and Jeevan Jyoti Blood Bank, Address: J-12, besides Dhruv Diagnostics, opposite Bank of Baroda, Laxminagar, Nagpur, Maharashtra 440022 , sports			2			64
Cleanliness Drive NSS Cleanliness Drive 0n19. 08.2019 in college vicinity		NSS Unit of College			5			327
Science day celebration for school students 28.02.2020		Zoology, Physics Department for Students of D D Nagar Vidyalaya Ramesh Chandak Enlish School			6			200
			View	<u>w File</u>				
3.4.2 – Awards ar uring the year	nd recogniti	ion received for ex	xtension act	ivities from	Government	and other	recog	nized bodies
Name of the	activity	Award/Reco	gnition	Awai	rding Bodies	N		r of students enefited

0			0			0			Nill
				No file	uploaded	ι.			
3.4.3 – Students parti Organisations and pro									
Name of the scheme		nising uni /collabora agency	-	Name of the	ne activity	particip	r of teacl ated in s ctivites		Number of students participated in such activites
Shramdan on 13.08.2019		NSS un	it	Clea driva college			3		310
Voters day celebration on 25.01.2020		Collect fice nag BLOs of college	pur our	To c awaren voting p Duties a onsibili voto	orocess. and resp ties of		3		133
Cancer awareness programm by women cell. 28/12/2020.	Gyr and Jadł or J	Dr. huriGaw haecolog Dr. Nan hav, Mec hcologis America Oncolog Institut Nangia Specialt Hospita ngna. M Nagpur.	yist cesh. dical st, n y ce y l IDC	Ca: aware progra wom	mm by		5		200
				View	<u>r File</u>				
3.5 – Collaborations	5								
3.5.1 – Number of Co	llaborat	ive activiti	es for r	esearch, fac	culty exchar	nge, stud	ent exch	ange o	during the year
Nature of activi	ty	F	Participa	ant	Source of f	inancial	support		Duration
Faculty Excha Guest lecture Taywade Colleg KoradiSelf	at e at	Dr.	M. G.	Dhonde		self		1	
				View	<u>r File</u>				
3.5.2 – Linkages with acilities etc. during the		ons/indus	tries for	internship,	on-the- job	training,	project v	vork, s	haring of research
Nature of linkage	Title d linka		par inst ind /rese with	ne of the tnering titution/ dustry earch lab contact etails	Duration	From	Durati	on To	Participant
0		0		0	Nil	Ll	N	i11	0
				No file	uploaded	l.			

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

nouses etc. during the year						
Organisation	Date of MoU sig	ned	Purpose/Activities	studen	nber of s/teachers d under MoUs	
CSIR- Institute of genomics and integrative biology (IGIB) CSIR Delhi.	19/06/203	19	Research collaboration		Nill	
CSIR- environmental Engineering Research Institute Nagpur. NEERI.	08/07/202	20 S	tudents research Projects collaboration	1	11	
Dr. Mahendra Ghagare. Organiser Harit Mitra Parivar Pune.	24/01/202		ollaboration for ree plantation		24	
		<u>View Fi</u>	<u>le</u>			
CRITERION IV – INFRA	STRUCTURE AND		G RESOURCES			
1.1 – Physical Facilities						
4.1.1 – Budget allocation, ex	cluding salary for infr	astructure au	igmentation during the	year		
Budget allocated for inf	Budget allocated for infrastructure augmentation Budget utilized for infrastructure development					
672000 633369						
4.1.2 – Details of augmenta	tion in infrastructure fa	acilities during	g the year			
Facilities Existing or Newly Added						
	quipment purchas r (rs. in lakhs)		Newly Added			
Classrooms wi	Classrooms with LCD facilities			isting		
Labo	Laboratories			isting		
Clas	Class rooms			isting		
Camp	ous Area		Ex	isting		
		<u>View Fi</u>	<u>le</u>			
.2 – Library as a Learnin	g Resource					
4.2.1 – Library is automated	{Integrated Library M	anagement	System (ILMS)}			
Name of the ILMS software	Nature of automatic or patially)	n (fully	Version	Year of	automation	
Libman	Fully		3.9		2010	
4.2.2 – Library Services						
Library Service Type	Existing	Ne	wly Added	Total		
Text 3090 Books	3122841	131	32518	31038	3155359	
356 Reference	3 373467	Nill	Nill	3563	373467	

e- Journal		Nill		Nill	3	828	Nill		382	28	Nill
Journa	als	16		39250	N	ill	Nill		16	5	39250
Digit. Databas		Nill		Nill	N	ill	Nill		Ni	11	Nill
2 CD Video	-	186		15000		ill	Nill		18	6	15000
Weedi (hard soft)	&	Nill		Nill		ill	Nill		Ni	11	Nill
e-Boo	ks	Nill		Nill	80	409	5990		804	09	5990
					View	/ File				I	
Name of	f the Teach	is developed			Date of launching e- content 04/04/2020		t				
					View	/ File					
	astructure nology Upg Total Co mputers		outer	verall) Internet	Browsing centers	Computer Centers	Office	Depart nts		Available Bandwidt	Others
										h (MBPS/	
Existin	74	23	3	3	1	1	11	37		h (MBPS/ GBPS) 10	3
g			_	-				-		GBPS)	
g Added	6	3		0	0	0	3	0		GBPS) 10 100	0
g Added Total	6 80	3	5	0	0	0	3 14	-		GBPS)	-
g Added Total	6 80	3	5	0	0 1 tion in the li	0 1 Institution (L	3 14 Leased line)	0		GBPS) 10 100	0
g Added Total .3.2 - Band	6 80 dwidth avail	3 2e able o	5	0	0 1 tion in the li	0	3 14 Leased line)	0		GBPS) 10 100	0
g Added Total .3.2 - Band	6 80	3 2e able o	5	0	0 1 tion in the li	0 1 Institution (L	3 14 Leased line)	0		GBPS) 10 100	0
g Added Total .3.2 – Band .3.3 – Facil	6 80 dwidth avail	3 26 able o	5 f inter	0 3 net connec	0 1 tion in the In 100 MB	0 1 nstitution (L PS/ GBPS	3 14 eased line)	0 37	bs an	GBPS) 10 100 110 d media ce	0
Added Total .3.2 – Banc .3.3 – Facil	6 80 dwidth avail lity for e-cor	3 2e able o ntent	5 f inter	0 3 net connec	0 1 tion in the In 100 MB	0 1 nstitution (L PS/ GBPS	3 14 eased line)	0 37	os an facili	GBPS) 10 100 110 d media ce	0
g Added Total .3.2 – Band .3.3 – Facil Nam	6 80 dwidth avail lity for e-cor	3 26 able o ntent content	5 f inter t deve	0 3 net connec	0 1 tion in the Ir 100 MB: cility	0 1 nstitution (L PS/ GBPS	3 14 eased line)	0 37 ne video cording	os an facili	GBPS) 10 100 110 d media ce	0
g Added Total .3.2 – Band .3.3 – Facil Nam 4 – Mainte .4.1 – Expe	6 80 dwidth avail lity for e-cor e of the e-cor enance of	3 26 able o ntent content N Camp urred o	5 f inter t deve	0 3 net connec	0 1 tion in the Ir 100 MB: cility	0 1 nstitution (L PS/ GBPS Provide	3 14 eased line)	0 37 ne video cording Ni	os an facili	GBPS) 10 100 110 d media ce ity	0 3
g Added Total .3.2 – Bano .3.3 – Facil Nam .4 – Mainte .4.1 – Expe omponent, o Assigne	6 80 dwidth avail lity for e-cor e of the e-c enance of enditure inc	3 able o ntent content V Camp urred o /ear	f inter t deve iil on ma	0 3 net connec	0 1 tion in the Ir 100 MB: cility cility of physical f curred on academic	0 1 nstitution (L PS/ GBPS Provide acilities and Assign	3 14 eased line)	0 37 ne video cording Ni	os an facili 11 t faci	GBPS) 10 100 110 d media ce ity	0 3 ntre and ding sala

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The college has a policy to make an optimum allocation and utilization of available resources for maintenance and up-gradation of physical, academic and other supported facilities available in campus. Hence there are various committees constituted for this purpose. In the meetings the management, principal, CDC, IQAC, Head of the departments, various committee for this purpose take an update of various issues. The available funds are disbursed as per the requirements. In the laboratories, record of maintenance of the various instruments and equipment's is maintained by laboratory assistants and regularly supervised by HoDs of the concerned departments. The instruments and equipment's used for experiments are annually cleaned and maintained by the concerned departments and record of maintenance is maintained by lab technicians and supervised by HoDs of the concerned departments. Library:-The requirement of books is taken from the concerned Head of departments and also from the staff. The list is finalized and duly approved by the Principal. The 'Library Advisory Committee' meets periodically to review the needs of the library. To ensure return of books, 'no dues' from the library is mandatory for students and staff at the end of each academic session. The proper account of visitors (students and staff) on daily basis is maintained. Other issues such as weeding out of old titles, schedule of issue/return of books, etc. are chalked out and resolved by the library committee. Computers: Software and hardware has been periodically reviewed and upgraded as per requirements. The college website is maintained and updated regularly by college staff. Classrooms: The college has a building committee for maintenance and upkeep of infrastructure. At the departmental level, HoDs submit their requirements to the principal regarding classroom furniture and other requirements. The college development fund is utilized for maintenance and minor repair of furniture and other electrical equipment. The employees on contract maintain and clean the classrooms, library and the laboratories regularly. Students, regular teaching and non-teaching staff are vigilant regarding cleanliness and motivated for energy conservation by careful use of electricity in classrooms. There are technicians, mason, plumbers, carpenters deputed by management who ensure the maintenance of college campus, office, classrooms and related infrastructure. Sports facilities: The college has its own sports ground that is maintained and upgraded regularly with the help of the ground staff and other contract agencies. In the indoor hall - table tennis, carom and chess is played. A wellequipped gymnasium is available in the sports department where students are beneficiaries. For swimming competitions nearby swimming pool is hired for the

purpose.

http://mohotasci.edu.in/wp-content/uploads/2020/10/Procedure-and-Policies-for-Maintaining-and-Utilizing-Physical.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 - Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Promotion for sports, cultural activity, welfare and merit students	107	182391
Financial Support from Other Sources			

a) National	Govt. of India / Maharashtra scholarships for SC, ST, VJNT, OBC, SBC, EBC	861	4991913
b)International	NIL	Nill	0
	View	File	
	enhancement and developme ge courses, Yoga, Meditation		•
Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Lecture on Personality Development, Stress management, Leadership and Communication Skills.	08/02/2020	128	Mr. Prashcek Gaikwad, Life coac from Pune organized by Training and Placement cell
Lecture on Careers through Competitive Examinations:	21/09/2019	75	Mr. Hardas, Renowned Career planner at Nagpur organized by Training and Placement cell
Lecture on the topic "Healthy mind for Successful Education"	21/09/2019	75	by Dr. Raja Akash, Renowned psychological Councillor at Nagpur organized by Training and Placement cell
Cancer Prevention Screening	28/12/2019	105	Jointly organize by Zoological Society and the Womens Cell. Dr. Naresh Jadhav and Dr. Madhuri Gawande, consultants from American Oncology Institute, Nangia Speciality Hospital, Nagpur were the experts.
Short Term certificate course	22/07/2019	326	IQAC
Bridge Course	15/07/2019	326	UG teachers of the college
Legal Awareness	25/07/2019	326	Dr. S. P. Kalamdhad, Asso. Prof. Department o Law, Dr. Ambedkar college, Nagpur wa

Reproduct Health Hygien Girl Stude	ne for	24/07/2019 214			the speaker. Organised during the short term course. IQAC Dr. Vaidehi Marathe renowned Gynaecologist in Nagpur delivered a lecture. Organised during the short term course.			
			View	/ File		ter	m course.	
5.1.3 – Students be institution during the		guidance			eer couns	elling offe	ered by the	
Year	Name sche		Number of benefited students for competitive examination	Number of benefited students by career counseling activities			Number of studentsp placed	
2020	Car Recrui Train (CR	ning	89	75			Nill	
			View	<u>/ File</u>				
5.1.4 – Institutional harassment and rag				dressal of student	grievance	s, Preven	tion of sexual	
Total grievan			Number of grieva	ances redressed	Avg. nui	g. number of days for grievance redressal		
N	ill		N	ill		N	ill	
5.2 – Student Prog	gression							
5.2.1 – Details of ca	ampus pla	cement d	uring the year					
	On ca	mpus			Off ca	mpus		
Nameof organizations visited	Numb stude partici	ents	Number of stduents placed	Nameof organizations visited	Numb stude partici	ents	Number of stduents placed	
00	N	i11	Nill	TCS		1	1	
			View	<u>/ File</u>				
5.2.2 – Student pro	gression t	o higher e	education in percent	tage during the yea	ır			
Year	Numb stude enrollir higher ee	ents ng into	Programme graduated from	Depratment graduated from	Nam institutio		Name of programme admitted to	
2020		2	B.Sc.	Various subjects	Gove: Institu Scien Nagj	nce,	Post graduate diploma in Forensic Science and Related Law	

	_							
2020	1	B.S	ic. (Chemistry, Botany, Zoology	D.Y. Patil College of Management	MBA		
2020	34	B.S		Various subjects	Please see view file	PG of basic sciences		
			<u>View F</u>	ile				
	qualifying in state ET/GATE/GMAT/0							
	Items			Number of	students selected/ of	qualifying		
	SET				1			
	GATE				1			
	Any Othe	ər			3			
			<u>View F</u>	<u>ile</u>				
5.2.4 – Sports ar	nd cultural activitie	s / competitions	s organised	at the institution	n level during the yea	ar		
/	Activity	vity Le			Number of P	articipants		
	sports		intra-col	Llege	284			
c	ultural		intra-col	Llege	2'	74		
			<u>View F</u>	ile				
5.3 – Student P	articipation and	Activities						
	of awards/medals a team event shoul			e in sports/cultu	ural activities at natio	onal/international		
Year	Name of the award/medal	National/ Internaional	Number o awards fo Sports		for number	Name of the student		
2019	4 th place	National	Nill	1	Please see view file	Please see view file		
			<u>View F</u>	ile	•			
	of Student Council aximum 500 words		n of student	s on academic	& administrative boo	lies/committees o		
direction Every year 12(8) of constitut: B.Sc. an cultural an Management active str	ns of the Dire Vice-Chancel Maharashtra ion of studen nd M.Sc. are nd sports are Council of t udent council	ector, Stud lor of the public univ nts' council elected una elected. T the universi : 1) To de	ent Welfa university A versity A l for eac animously he elects ity is un evelop co	are, RTM Nag ty exercises act (VI of 2 th affiliate . Also one ion of its a dertaken an ordial relat	ident council a gpur Universit s his powers un 2017) fixes the ed college. Stu- student from M secretory on b inually. Object tions among the s. 2) To stimu	y, Nagpur. nder section dates of dents from NSS unit, ehalf of the cives of 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. But in the session 2019-20 Students Council election were not held, since there were no instructions from RTM Nagpur University, Nagpur in this concern.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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 294 enrolled alumni as on 31st March 2019, who are renowned personalities in various fields. Though this association was not registered before 2016, many alumni were active and directly and indirectly contributing in the development and progress of the institute. 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 academic development and improvement. The alumni association had performed various cultural, educational and social activities in the college. The Association extends its help to IQAC of the college by induction of alumnus as one of the members of IQAC. Some infrastructural help has also been provided by the association. The executive body of the association meets once in two or three months regularly. 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 3,11,925/-. The functions and various activities of the association are also displayed on the college website.

5.4.2 – No. of enrolled Alumni:

294

5.4.3 – Alumni contribution during the year (in Rupees) :

12000

5.4.4 - Meetings/activities organized by Alumni Association :

 Talk on 21.09.2019 "To Understand Mahatma Gandhi's Vision and his work to establish a peaceful World" Speaker - Mr. Ravindra Pathak A lecture-cuminteraction program was held on the occasion of 150th Birth Anniversary of Mahatma Gandhi at Shri Mathuradas Mohota College of Science 2. Musical Program on 28.09.2019: A contributory program to attempt Guiness Book of World Record (Single show of same songs with same sequence, simultaneously at 90 locations on Hindi songs sung by Bharat Ratna Lata Mangeshkar) on the occasion of her 90th Birthday. Concept : Alumnus - Mr. Rajesh Samarth.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The freedom in work helps in development of mutual respect enhances leadership,

excellence among staff members and students. This is achieved through an allinclusive participation of all teachers through their involvement in various committees, cells and in the activities and events of the college. The College Development Committee (CDC), Principal, Vice Principal, heads of the departments and IQAC play vital roles in the implementation and monitor the plans. College has adopted a mechanism of decentralization of administrative work to enhance the overall quality, efficient and effective functioning of the college as a whole. The college has formed various committees to decentralize the work. The committees are given freedom to work and take the decisions within the framework of rules laid own. The overall working of the committees is supervised by the Vice-principal and Principal. The lists of committees which are relevant to the students are also displayed at the `students' corner' on the college website. The formation and working of committees was a major step towards the decentralization of work along with participative management. The Principal, vice-principal, heads or coordinators of the departments have been given department level freedom / autonomy for teaching method / plan, time table distribution, conduction of internal examinations, conduct workshops/ hands on training, 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. Even costly chemicals, equipment are authorized to be purchased for the departments by following all laid down norms. The authorities have always been in favor of participative management and encourage the faculty for curricular, co-curricular and extracurricular activities. The departments are always motivated and supported financially to arrange various activities for the benefit of student fraternity and faculty. These activities also include field tours / educational tours, etc. The IQAC is at the helm of affairs of the college and acts as a liaising between management, principal and the departments. The College Development Council functions efficiently because of valuable and timely inputs from the constituents. On behalf of the principal, even faculty members attend meetings at the University, attend NAAC sponsored seminars and conferences.

6.1.2 - Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	As the college is affiliated to RTM Nagpur University, the syllabus designed by the university. It is to be effectively implemented by the college. The curriculum is supported by hands on trainings and field/industry visits. The students are also motivated to participate in curricular and co curricular activities. Some of the faculties represented college in senate, Board of Studies etc. of the university and thus participated in syllabus framing and revision. Value added courses and soft skill programmes were conducted during academic year 2019-20.

	1
Teaching and Learning	Each department prepares the academic calendar before commencement of the academic year. The teaching and learning is supported by the various ICT tools which includes animations, videos, and Power-Point presentations, etc. Additionally students get exposure by participating in students seminars, visiting research institutes and industries, field visits, field works, lab visits, excursion tours etc. Analyzing student feedback on course delivery and teacher evaluation by the students has also helped in making improvements in learning program objectives and outcomes.
Examination and Evaluation	Home assignments, seminars and internal examination are taken up as a part of continuous assessment process. Each department follows different evaluative methods like unit tests, student presentations, topic-based assignments, problem solving, quiz, MCQ's, etc. are conducted periodically in each semester to prepare and assess the performance of students. Students are also given important tips for scoring higher marks in the university examination.
Research and Development	The Institution organizes regular guest lectures of experts on the topics that are currently trending in the research areas. Scientific temper of students is encouraged through multifarious activities like Science Quizzes, Seminars, Research Projects, Poster Presentation and Power Point Presentation. Physics and Chemistry departments are recognized as 'Place for higher learning and Research' by the University. Teachers are also encouraged to publish research papers, collaborate with other institutions through MoUs to carry out research. The availability of e-books and e-journals helps the teachers and students for their research.
Library, ICT and Physical Infrastructure / Instrumentation	The library committee consisting of librarian, teachers and nonteaching staff meets periodically to discuss the issues of the library. Similarly infrastructure development and college maintenance committee takes up the matter with authorities for further development of the college. The entire college is Wi-Fi enabled and all departments have internet facility.

	Three classrooms and most of the laboratories have LCD facilities for Audio Visual presentations and interactive teaching. If needed, teachers communicate with students through WhatsApp groups and Google classrooms. The sports department has a well-equipped gymnasium. The office staff is provided computers for the official work.
Human Resource Management	College authorities always maintain healthy environment by providing welfare schemes to its employees. To upgrade and enhance the standards of academic environment, teachers are encouraged to participate in faculty development programs. Teachers are made in-charges of committees to look after aspects of college development for effective use of talent and ability. Staff members participate in cultural, social, motivational, inspirational programmes which maintains a healthy environment. Various constituted committees also look after the welfare of employees. Festival advance is given to desirous support staff members. A pair of uniform is also distributed by the management to the non teaching staff.
Industry Interaction / Collaboration	To accustom students with current industrial, corporate scenario and to polish their employability skills, departments promote interaction of students with industry personnel through invited talks and industry visits. The career guidance and placement cell regularly arranges counseling and exposure sessions for the students, campus interviews with companies to provide job opportunities. Three MoUs were executed during the academic year 2019-20. The college encourages regular visits to industries by the staff along with students.
Admission of Students	UG admissions: The college follows the government and university rules of reservations and merit while admitting the students. The admission process at our level is unbiased. Students from economically weaker sections are provided the facility to pay the fees in installments. Information of government schemes and scholarship is also given to students. Admission committee is set up for every program. It clears the doubts of students /

parents regarding the groups available and also helps them to select appropriate group by counseling. The PG admission is through the centralized admission process of the university and students are allotted the college.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Examination	As per the instructions of RTM Nagpur University, the examination question papers are received by online method one hour prior to the starting time of the examination which are then printed and distributed to the examinees. The college has the complete facility for the receipt of question papers through the online mode, their photocopying, etc. However, during the tough pandemic time teachers also conducted exams through Google forms.
Planning and Development	Academic calendar / various activities is designed before the beginning of the session and implemented meticulously during the session. It is made available on the website. The website is regularly updated so that the students, teachers are well informed.
Administration	The faculties, departments have WhatsApp groups. Communication is made also through email and WhatsApp in an attempt to reduce the use of paper. The communication with Joint director of Education, University, UGC is also through emails. The use of LIBMAN software has been useful in the library. For student enrolment MIS was used by the office.
Finance and Accounts	The accounts are maintained in the form of soft copy also. Salary of faculty is transferred directly to the bank account of the employees.
Student Admission and Support	Academic calendar is made available in the online mode through the website. The entire college campus is Wi-Fi enabled which helps the students in many ways. The internet connectivity is also available in the library which helps the students to browse online resources. During the lockdown period (after mid -March 2020) the students were taught through online methods. They were provided notes through WhatsApp and Google classroom.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year 2020	Name of Teacher	Name of conference/ workshop attended for which financial support provided International Conference at RTMNU, Nagpur	Name of the professional body for which membership fee is provided Nill	Amount of support
2020	Dr M G Dhonde	Conference at RTMNU, Nagpur	Nill	3000
		13 Feb 16 Feb. 2020		
2019	Dr. M.G. Dhonde	National conference at SGB Amravati University, Amravati. 05th Dec07 Dec. 2019	Nill	1300
2019	Dr. M. G. Dhonde	National Conference at Porwal College, Kamptee.20-21 Dec. 2019	Nill	2300
2019	Dr. R. S. Saha	Course on water lillies and lotus, Nagpur Garden club - 4,5, 6 July 2019	Nill	600
		<u>View File</u>	1	

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Two lectures on 'Desirable attributes of Research and Public ation ethics' by Dr. Veena Prakashe and Dr.	Nill	03/01/2020	03/01/2020	33	Nill

		njay oble					
2019	Spon Nat: Semin Teac Lear Evalu	NAAC sored ional nar on ching, cning, uation best ctices	Nill	13/12/2019	14/12/2019	175	36
2020	Info: n: Lo by Na Agra Regis Sindl	ght to rmatio ecture Shri avin awal, strar, hu Mah yalaya	Nill	06/01/2020	06/01/2020	3	39
2020	Innov Teac Lea: thr Dig Plat by Re Sharr Dr.	ebinar on vative ching rning rough gital forms Dr. ekha ma and Jyoti til	Nill	29/05/2020	30/05/2020	1352	Nill
				View File			
				evelopment progra nt Programmes du		entation Program	nme, Refresher
Title of th profession	ne	Number	of teachers	From Date	 To da	te	Duration
developm programn	ent	WIIO 2	attended				
•	ent ne ICT	WHO 2	attended 1	11/05/2020		/2020	6
programn FDP on	ICT ICT urse ive g- ig	WIIO 2		11/05/2020 18/05/2020) 16/05,		6
programm FDP on Tools Short t online co on Effect online teachin learnin	ent ne ICT cerm urse cive g- ng s on cal		1) 16/05,	/2020	

Application' Imaging									
'Managing online classes and co-creating MOCCS 2.0 Image: Comparison of the second	FDP on `Jmol Application'	1		08/05/2020 14		4/05/202	20	7	
'Comprehensive study of NAAC criteria in RAF' 2 10/10/2019 23/10/2019 13 Refresher Course in Life Science 2 10/10/2019 23/10/2019 13 Course in Life Science View File 6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment): Teaching Non-teaching Permanent Full Time Permanent Full Time Nill 1 Nill Nill Nill Subject to the schemes for Cooperative schety: society is available. Deposit facility through college cooperative society: society is available in the college cooperative society. Soudents Students from financially weaker sctiend as generate. Support for attending conferences, paper presentation Course in financial sudits regularly (with in 100 words each) Students . 6.4 - Financial Management and Resource Mobilization 6.4.1 - Institution conducts internal and external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college. Subject for non government presentation Name of the non government funding agencies /individuals Name of the non governmen	<pre>`Managing online classes and co-creating</pre>	5	:	18/0	5/2020	03	3/06/202	20	16
Course in Life Science View File 6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment): Teaching Non-teaching Fermanent Full Time Permanent Full Time Nill 1 Nill Nill 6.3.5 - Welfare schemes for Icoan facility through college cooperative society is available. Students Deposit facility is also available in the college cooperative society. Loan facility is also available in the college cooperative society. Students from financially weaker society is available. Support for attending conferences, paper presentation Covernment recommended welfare schemes are extended to the teachers. Students on book bank facility is provided to financially weaker students. 6.4 - Financial Management and Resource Mobilization 6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each) The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college. 6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during th year(not covered in Criterion III) Name of the non government funding agencies /individuals Funds/ Grants received in Rs. Purpose Philanthropists and Contribution from college faculties Funds/ Grants received in Rs.	<pre>`Comprehensive study of NAAC criteria in</pre>	2		04/0	5/2020	08	3/05/202	20	5
6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment): Teaching Non-teaching Permanent Full Time Permanent Full Time Non-teaching Nill Nill Non-teaching Students Students Cooperative society is available. Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Students book bank facility is provided to financial guester. Government recommended welfare schemes are presentation 6.4 - Financial Management and Resource Mobilization 6.4.1 - Institution conducts internal and external financial audit regularly (with in 100 words each) The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college. August for streeived from management, non-government bodies, individuals, philanthropies during th year(not covered in Criterion III) Name of the non government funding agencies /individuals Funds/ Grnats received in Rs. Purpose Mankeshwar and Co Chartered Accountants - of this college. Motivation to meritor	Course in Life	2				23	3/10/203	19	13
Teaching Non-teaching Permanent Full Time Permanent Full Time Nill 1 Nill Nill Nill 6.3.5 - Welfare schemes for Ioan facility through college cooperative society is available. Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentation Loan facility trough college cooperative society is available. Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentation Students from financially weaker students book bank facility is provided to financially weaker students. 6.4 - Financial Management and Resource Mobilization 6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each) The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college. 6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during th year(not covered in Criterion III) Name of the non government funding agencies /individuals Funds/ Grnats received in Rs. Purpose Philanthropists and Contribution from college faculties 45706 Motivation to meritorious students and To help financially									
Permanent Full Time Permanent Full Time Nill 1 Nill Nill Nill 6.3.5 - Welfare schemes for Image: Students Non-teaching Students Loan facility through college cooperative society is available. Loan facility through college cooperative society is available. Students Students from financially weaker sections are permitted to pay the fees in installments. Students. Beposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Students book bank facility is provided to financially weaker students. 6.4 - Financial Management and Resource Mobilization 6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each) The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college. 6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during th year(not covered in Criterion III) Name of the non government funding agencies/individuals Funds/ Grants received in Rs. Philanthropists and Contribution from college faculties Philanthropists and Contribution from college faculties 45706	-		o. for perman	nent re	ecruitment):				
Nill 1 Nill Nill 6.3.5 - Welfare schemes for Teaching Non-teaching Students Loan facility through college cooperative society is available. Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentation Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentation Government recommended welfare schemes are extended to the teachers. Students book bank facility is provided to financially weaker students. Students book bank facility is provided to financially weaker students. 6.4 - Financial Management and Resource Mobilization 6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each) The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college. 6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during th year(not covered in Criterion III) Name of the non government funding agencies /individuals Funds/ Grants received in Rs. Philanthropists and Contribution from college faculties Purpose Philanthropists and Contribution from college faculties 45706 Motivation to meritorious students and To help financially weaker students who do not have any scholarship.									
End of the sector of the se	Permanent		Full Time		Pei	rmanen	t	Fu	ll Time
TeachingNon-teachingStudentsLoan facility through college cooperative society is available. Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentationLoan facility through society is available. Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentationCounce of the section are permitted to pay the fees in installments. Students welfare schemes are extended to the ton- teaching staff.Students from financially weaker sections are permitted to pay the fees in installments. Students by the faculties. Students book bank facility is provided to financially weaker students.6.4 - Financial Management and Resource Mobilization6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each)The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college.6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during th rear(not covered in Criterion III)Name of the non government funding agencies /individualsFunds/ Grants received in Rs. To help financially weaker students and To help financially weaker students who do not have any scholarship.	Nill		1			Nill			Nill
Loan facility through college cooperative society is available. Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentationLoan facility through college cooperative society is available. Deposit facility is also available in the college dovernment recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentationStudents from financial udits regularly (with in 100 words each)5.4 - Financial Management and Resource Mobilization 6.4.1 - Institution conducts internal and external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college.6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during th vear(not covered in Criterion III)Funds/ Grnats received in Rs. To help financially weaker students who do not have any scholarship.	6.3.5 – Welfare scheme	s for							
college cooperative society is available. Deposit facility is also available in the college cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentationcollege cooperative society. Government recommended welfare schemes are extended to the teachers. Support for attending conferences, paper presentationfinancially weaker sections are permitted to pay the fees in installments. Students welfare fund is generated by the faculties. Students book bank facility is provided to financially weaker students.6.4 - Financial Management and Resource Mobilization6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each)The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college.6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during the rear(not covered in Criterion III)Name of the non government funding agencies /individualsFunds/ Grnats received in Rs. for help financially weaker students who do not have any scholarship.	Teaching	l	Ν	lon-tea	aching			Studen	ts
6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each) The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college. 6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during th year(not covered in Criterion III) Name of the non government funding agencies /individuals Funds/ Grnats received in Rs. Purpose Philanthropists and Contribution from college faculties 45706 Motivation to meritorious students and To help financially weaker students who do not have any scholarship;	college cooper society is avaidable in the cooperative so Government reco welfare scheme support for at conferences, presentat	erative milable. y is also e college ociety. ommended mes are teachers. tending paper ion	colleg society Deposit : available coopera Governme welfar extende teac	ye co faci e in ativo ent : ce so ed to shing	opperativ availabl lity is a the coll e society recommend themes ar o the non staff.	re e. also lege y. ded re	section pa insta welfard by Stu facil	ancially ns are pe ay the fe llments. e fund is the facu dents bo ity is pr ancially	weaker ermitted to es in Students generated ulties. ok bank covided to weaker
The external financial audit was conducted for the year 2019-20 by K. K. Mankeshwar and Co Chartered Accountants - of this college. 6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during th year(not covered in Criterion III) Name of the non government funding agencies /individuals Funds/ Grnats received in Rs. Philanthropists and Contribution from college faculties 45706 Motivation to meritorious students and not have any scholarships									
Mankeshwar and Co Chartered Accountants - of this college. 6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during th year(not covered in Criterion III) Name of the non government funding agencies /individuals Funds/ Grnats received in Rs. Purpose Philanthropists and Contribution from college faculties 45706 Motivation to meritorious students and To help financially weaker students who do not have any scholarships								,	
Vear(not covered in Criterion III) Funds/ Grnats received in Rs. Purpose Name of the non government funding agencies /individuals Funds/ Grnats received in Rs. Purpose Philanthropists and Contribution from college faculties 45706 Motivation to meritorious students and To help financially weaker students who do not have any scholarships									
funding agencies /individuals Motivation to Philanthropists and 45706 Contribution from college meritorious students and faculties To help financially weaker students who do not have any scholarships	6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)								
Contribution from college faculties	-	Funds/ Gi	rnats	received in I	Rs.		Purpos	e	
	Contribution from college			45706		To 1 weake	orious st help fina er studen	udents and ancially ts who do	
<u>View File</u>				View	. File				

6.4.3 - Total corpus fund generated

45706

6.5 – Internal Quality Assurance System

6.5.1 - Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	Exte	rnal	Internal		
	Yes/No	Agency	Yes/No	Authority	
Academic	Yes	External AAA Committee	Yes	IQAC	
Administrative	Yes	External AAA Committee	Yes	IQAC	

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Could not be held as the college was closed due to the pandemic as this meeting was decided to be conducted at the end of session.

6.5.3 – Development programmes for support staff (at least three)

A lecture on 'Right to Information' for non-teaching staff on 06 Jan. 2020, Shri Navin Agrawal, Registrar at Bhakru Sindhu Mahavidyalaya was the chief guest.

6.5.4 - Post Accreditation initiative(s) (mention at least three)

1. IGNOU has allotted study centre in subject Geology. 2. MoU's have been signed for quality assurance. 3. Mechanism for continuous website update was introduced.

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	Yes
d)NBA or any other quality audit	No

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants		
2019	Internatio nal Yoga day	Nill	21/06/2019	21/06/2019	108		
2019	Unemployment is a Myth, Mr. Bharat Bylappa, Bangalore, MD, Bharat Group Of Industries	09/07/2019	05/09/2019	05/09/2019	1100		
2020	Two lectures on Desirable attributes of Research	09/07/2019	03/01/2020	03/01/2020	109		

	and Publication ethics by Dr. Veena						
	Prakashe and Dr. Sanjay Dhoble						
2019	NAAC Sponsored National Seminar on Teaching, Learning, Evaluation and best practices	09/07/2019	13/12/2019	14/12/2019	211		
2020	Right to Information: Lecture by Shri Navin Agrawal, Registrar, Sindhu Mahav idyalaya	09/07/2019	06/01/2020	06/01/2020	42		
2020	Importance of Financial Planning: Mr. Milind Khasnis, Nagpurs leading financial advisor	09/07/2019	06/01/2020	06/01/2020	38		
2020	Women Empowerment by self- defence: 2 coaches each from US and Australia	09/07/2019	13/01/2020	14/01/2020	176		
2020	Webinar on Innovative Teaching Learning through Digital Platforms by Dr. Rekha Sharma and Dr. Jyoti Patil	09/07/2019	29/05/2020	30/05/2020	1352		
	L	<u>View</u>	File				
RITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES							

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of F	Participants
			Female	Male
Legal Awareness	25/07/2019	25/07/2019	209	117
Self Defence Workshop "A step towards women empowerment"	13/01/2020	14/01/2020	176	Nill
Women in Science	28/02/2019	28/02/2019	121	89

7.1.2 - Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

• Environment consciousness and sustainability is one of the important aims of the college. The college has dense green cover and its increasing every year. ulletA vermicomposting unit is active in the college campus. There are display boards on environment related issues like use cycles, use dustbins, say no to plastic, protect environment, conserve environment, switch off light and fans, turn off tap to conserve water, etc. in the college campus. • To generate environment awareness following lectures were arranged (1) guest lecture on 'Peoples Biodiversity Register Act 2002' by Dr. N. R. Ugemuge, Prof. Emeritus, Ex-Head, Dept. of Botany, Dharampeth M. P. Deo Memorial Science College, Nagpur. (2) Shri Kaustav Chatterjee, Co-Founder of Green Vigil Foundation, Nagpur, on 27th Sept. 2019 (3) Principal Dr. J. R. Dontulwar, delivered a lecture on 'Global Warming Environment' on 18th Feb. 2020. • Rain water harvesting system is actively working for the recharge of ground water. • Most of the conventional lights were replaced by LED lights. • The college has taken a major step towards optimum utilization of alternative energy i.e. solar energy.

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	4
Rest Rooms	Yes	1
Scribes for examination	Yes	7

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	21/06/2 019	1	Yoga Day celeb tration	Physical and	108

							by learning some Asans	mental Fitness	
	2019	1	1		18/06/2 019	1	Tree Pl antation	Environ mental Co nservatio n	86
	2019	1	1		20/08/2 019	1	Visit to Old Age Home	Problems of old Age and Health	76
	2019	1	1		28/08/2 019	1	Blood Donation Camp	service to society	52
	2020	1	1		28/02/2 020	1	Celebra tion of I nternatio nal Science Day for School Students	Scienti fic awareness	200
					View	<u>File</u>			
7	.1.5 – Human	Values and P	rofessiona	al Eth	ics Code of co	nduct (handbo	ooks) for variou	us stakeholders	8
		Title		Date of publication			Foll	ow up(max 100) words)
	code of students students its avail w	guideline conduct f s (uploaded prospectus able on co rebsite)	for 1 on 3 and 11ege			5/2019	th mainta of dis the inst guid issues toba decen langua ident: b	institute at the stu- ain a high scipline an reputation itution. Four pose deta delines reg like - rac acco, maint cy in beha oge, unifor ity card, e peen mentio	dents standard of the or this hiled garding gging, no caining vior and m, use of etc. have
7	.1.6 – Activitie	es conducted for	or promoti	on of	universal Valu	ues and Ethics	3		
	Activity Duration From			Durati		Number of p			
		tion Day	18/07/2019			7/2019		86	
╎┝		dence Day		15/08/2019			8/2019 9/2019		40 100
		a Gandhi and Lal Shastri			0/2019		0/2019		18

Samwidhan Din	26/11/2019	26/11/2019	90					
Voter's Day	25/01/2020	25/01/2020	109					
Marathi Bhasha Gaurav Din	27/02/2020	27/02/2020	81					
Republic Day	26/01/2020	26/01/2020	355					
International Women's Day	09/03/2020	09/03/2020	77					
	<u>View File</u>							

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Our college is a plastic free zone. Single use plastic is strictly banned inside the campus including canteen.
In response to the waste management module - Green and blue colour dustbins are installed in the college for separate collection of dry and wet solid waste.
Regular Tree plantation drive: Tree plantation has been the regular college agenda as a result of which the college campus very green and looks pleasant.
In the college, biodegradable solid waste from garden and some labs are put into a pit and converted into organic manure in the form of vermi-compost.
The college has a provision of rain water harvesting system where the rain water on the terrace is diverted into the well located in the college campus.
College has a well maintained botanical garden where some medicinal plants and plants required for B.Sc., M.Sc. practical purpose are grown.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Title of the practice: MULTI SKILL DEVELOPMENT PROGRAMME Objective of the practice: Students when seek admission in B.Sc. SEM I, they come from pre-university background with multiple cultural, social, academic and financial backgrounds with either very little or no exposure to life skills. The life skills are immensely important to transform a person into personality so as to succeed in life. Therefore, through these courses, an attempt is made to give exposure to techniques of personality development and subject specific courses for their personal, social and professional development. The context: One has to go much beyond the text books so as to teach life skills which are of immense importance to bring together the social, emotional, and cognitive capacities of a person to solve problems and achieve goals. Hence, the students are introduced so as to face the life challenges. Also, they are trained in subject specific courses for professional and commercial development. The college invites experts who teach them to develop these important skills to set goals and bounce back from failures and look for the silver lining even when they faced challenges. The practice: Personality Development aspect of this course is compulsory for all the students of SEM I. It comprises of topics like public speaking technique, importance of reading habits, legal awareness, decision making, positive thinking, health and hygiene (only for boys), woman's reproductive system and its hygiene (only for girls), social ethics, etc. The subject specific courses, namely, Mushroom cultivation, Sericulture, Ground water prospecting, Noise pollution and its control, Water Analysis, Printed Circuit Board design Computer Fundamentals are offered to students according to their subject groups that they select for the degree course. The curriculum or syllabi of all these courses are being designed by the respective subject coordinators who are the faculty members of the college. Theory as well as experimental or hands on training is imparted to the students by the course experts. The students have been appreciating the experimental sessions a lot and finding them to be quite useful. This week-long multi skill development programme is conducted every year at the commencement of the

academic session. The resources persons are the experts from their respective fields and the college faculty is contributing voluntarily towards the cause. Evidence of success: Many students have appreciated this unique programme. At the end of the concluding session of this programme many students have expressed that they have at least learnt what are life skills and the importance of them in day to day life. Many of them have expressed a view that such an activity should be extensively conducted for at least three weeks. Problems encountered and Resources required: Many of the resource persons are experts of their field and are invited to the college. Though the suggestions given by the students to conduct this 'multi skill development programme' for three weeks was a very important one, looking at the academics to be completed well within the time limits, its practically impossible to devote three weeks for it and hence the college had to restrict to one week only. Best Practice 2: Title of the practice: VERMICOMPOSTING FOR ORGANIC WASTE MANAGEMENT Objective of the practice: These days vermicomposting has gained a lot of popularity as compared with conventional composting as it provides a way to treat organic wastes more quickly. Vermicompost is the end-product of the breakdown of organic matter by earthworms. The compost contains reduced levels of contaminants and a higher saturation of nutrients. The context: Vermicompost contains water-soluble nutrients and it is an excellent, nutrient-rich organic fertilizer and soil conditioner. It is used in farming and small scale sustainable, organic farming. Hence, it was thought to develop a vermicomposting unit so as to dispose of the organic waste generated in the college in a useful way. The practice: The college campus is enriched with flora. The daily organic waste is generated due to fallen leaves from the green cover of the campus. To make use of this waste, the college practices vermicomposting. For this, earthworms were initially procured from Govidnyan Anusandhan Kendra, Devalapar and introduced at a proper time when the organic bed was ready which is made up of leaves, garden waste, small twigs, tree trimmings and other biological waste into the permanently constructed structure to house the enriched compost. This not only solves the problem of organic debris, but also generates rich compost which the college uses for its own garden. Evidence of success: This practice has helped the institute to train students to recycle organic waste in a productive way. The investment required is very less and the students can perform vermicomposting on their agricultural lands as well. Also, this practice has solved a problem of disposal of organic waste and the institute is getting good quality compost for its own garden. Problems encountered and Resources required: The only resources required are the earthworms. The biggest challenge is to protect the earthworms and maintain the moisture in summer when the Nagpur temperature is as high as 45-46?C for two to three weeks.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

http://mohotasci.edu.in/institutional-best-practices/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The management - Nagpur Shikshan Mandal, which runs this college has a basic aim to provide knowledge and uplift even the last 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 policies and programmes set by college aimed towards the development of each member of the college and thus the college supports and encourages the teaching and even the non-teaching and staff to pursue the higher education. As a result of which some of the junior college staff members

as well as a member of non-teaching staff have acquired a higher qualification of Ph.D. The college has a policy to encourage faculties to present research papers, participate in conferences, etc. who are going abroad or even out of station. The college conducts one week short term certificate 'Multi Skill Development Programme' on various topics like mushroom cultivation, noise pollution, water and soil analysis, ground water prospecting, printed circuit board design and computer fundamentals, functional English, introduction to women's reproductive health and hygiene, legal awareness, etc. for newly admitted students. In order to attain academic and administrative excellence the college regularly conducts academic, administrative and financial audit. This has helped this college to get ISO certification `ISO 9001:2015'. This college is one of the very few colleges in this region having awarded ISO certification 'ISO 9001:2015'. To inculcate human values, service and sensitivity towards community, environmental consciousness and values of citizenship the college regularly conducts various programmes very regularly. By organizing events on themes of national integration, awareness about heritage and history A well-developed botanical garden with a special emphasis on medicinal plants is very useful to the students. These plants are studied by the students regarding properties and medicinal components. Students also work for their post-graduation research project on these plants. Celebration of Rakshabandhan at 'Panchavati Vrudhashram' (old age home). The said practice is conducted by the college under the aegis of Lifelong Learning Extension Unit of the college. Many students and the coordinator visit it on the occasion of Rakshabandhan and tie the thread of love to the old age members of the 'vrudhashram'. The Teaching Staff students voluntarily donate fruits grains to the inmates of the old age home. This event develops social feelings and empathy among the students.

Provide the weblink of the institution

http://mohotasci.edu.in/institutional-distinctiveness/

8. Future Plans of Actions for Next Academic Year

• The college plans to introduce more skill based and value added courses. • It is planned to have more industry-college as well as laboratory - college interaction through the MOUS. • To develop data validation and verification for various activities and initiatives. • To continuously upgrade the college website and make it student friendly. • To conduct campus recruitment training courses for the benefit of the students. • To enhance the campus beautification and green cover. • To conduct faculty development programme. • To develop language laboratory. • To apply for some new courses both at UG and PG level. • To initiate B. Voc. Courses • To construct a divyang friendly washroom • To construct / renovate principals chamber and office which was destroyed due to fire in june 2019. • To increase the number of lavatories so as to develop better hygiene for men and women. • To install solar system for energy conservation. • To develop a volleyball court.