Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**DHOTE BANDHU SCIENCE COLLEGE, GONDIA**
Name of the head of the Institution	**Dr. P A. S. Naidu**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**07182252467**
Mobile no.	**9423412712**
Registered Email	**principal@dbscience.org**
Alternate Email	**anjannaidu8@gmail.com**
Address	**Tirora Road Ramnagar, Gondia**
City/Town	**Gondia**
State/UT	**Maharashtra**
Pincode	**441614**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed and grant-in-aid**
Name of the IQAC co-ordinator/Director	**Prof. Dilipkumar Choudhary**
Phone no/Alternate Phone no.	**07182252467**
Mobile no.	**9423414117**
Registered Email	**dschoudhary@dbscience.org**
Alternate Email	**iqacdbsc2018@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.dbscience.org/wp-content/uploads/2021/03/AQAR-2018-19.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.dbscience.org/wp-content/uploads/2021/05/ACEDEMIC_CALENDAR_2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
3	**A+**	**3.51**	**2017**	**28-Mar-2017**	**27-Mar-2022**
2	**A**	**3.04**	**2011**	**16-Sep-2011**	**15-Sep-2016**
1	**B+**	**2.8**	**2004**	**16-Feb-2004**	**15-Feb-2009**

6. Date of Establishment of IQAC	**01-Jul-2005**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Workshop on Assessment and Accreditation for non - accredited colleges	15-May-2020 1	1100
Orientation programme for principals of colleges of CG state Higher Education Department for accreditation purpose	12-Dec-2019 2	27
Awareness Lecture on Healthy Heart for Healty Life	24-Feb-2020 1	30
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dhote Bandhu Science College, Gondia	UGC Paramarsh	UGC, New Delhi	2020 365	150000
[View File](#)				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	[View File](#)

10. Number of IQAC meetings held during the year :	5
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	No
Upload the minutes of meeting and action taken report	No Files Uploaded !!!

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)

• Rigorous and compressive distribution and monitoring of quality mandates prescribed by NAAC. • Orientation programme for principals of colleges of CG state Higher Education Department for accreditation purpose • Collaborative quality initiatives by establishing MoU with non accredited colleges in the region to mentor for A and A process of NAAC under UGCPARAMARSH scheme. • Hands on training on teaching Learning platforms like TCSiON, Microsoft Team, Upgrad etc. • Initiated number of ADD ON Certificate Courses in association with IIT

Mumbai.

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

Plan of Action	Achivements/Outcomes
Organization of Quality Enhancement Activities	• Mentoring of the non accredited institutions has been initiated and MoU established with 7 colleges for A and A process of NAAC under UGCPARAMARSH Scheme. • Feedback collected and analysed (in the form of CR and PBAS) Action have been taken for improvements if needed. • The quality mandates prescribed by NAAC for A A process have been keenly implemented and tried to excel with the help of teachers, students and stakeholders. • Orientation programme for Principals of CG State Higher Education Department has been conducted. • Participated in NIRF.
Organization of various programmes for students' overall development through Academic as well as Students Centric Associations	Through NSS, NCC, Eco club various programmes we're conducted as an opportunity for youth to contribute in nation building like Swachata Campaigning, International Yoga Day, World No-Tobacco Day, Snake Bite: Prevention & treatment, Organ Donation Awareness, Awareness Campaign at Pendharitola, Fit India Movement, Eco-Friendly Ganpati Making Workshop, Food Nutrition, Quality and Safety, Traffic Awareness Programme, NSS Foundation Day, Wild Life Week, Food Grain Submission, Swttacha Pakhwada, POCSA Act, Annual Special Camp, Fire Fighting and Safety, Save Water Save Life, Adulteration detection in food items, Preparation and use of sanitizer for students wrt COVID-19, E -Literacy: Popularisation of various Govt apps has been arranged.
Commencement of Add on Short Term Value Addition Certificate Courses	At least one certificate course has been done by most of the student. These IIT-conducted certificate courses are C-Programming, CPP, Linux, Advance C++, Introduction to Computer, Php & My SQL, Java, GIMP, Avagadro, Libre Office Writer, Libre Office Calc, Libre Office Impress, EXP-Eyes etc.

Strengthening the Students Placement Cell	Campus placement drive held by Lupin Limited, Wipro. And in off campus drive the students are placed at TCS, Capegemini, Deloitte.
Organization of Students Industrial Visits/Study Tours for practical exposure	Organized Industrial Internship, Industrial Visits, field trips at different organisations and industries.
Organization of gender sensitization programmes and to ensure gender sensitivity: safety and security, counseling	The events like Women's Defence Training, Fit India Movement, Health Awareness, AIDS Prevention & awareness programme, Health and Higene Awareness, Gender Sensitization has been conducted.
Implementation of mentorship program	All the departments have implemented mentor mentee system effectively for enhancing teaching learning process. The ratio is 1:54
To participate in MOOCs on SWAYAM platform	The faculty members and students also participated in the MOOC/ SWAYAM courses.
To motivate the students to register at SHREYAS	Students registrations have been done at SHREYAS.
To organize faculty development programme for teaching and nonteaching staff	One day workshop on KOHA for Nonteaching staff And on Microsoft Teams for teaching staff to enhance the e-delivery and e-content development.
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Internal Quality Assurance Cell	30-Apr-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	17-Jan-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)	Dhote Bandhu Science college has installed a cloud based ERP (Enterprise

Resource Planning) to facilitate the academic and administrative matters. It helps in maintaining the things accountably and transparently. Moreover, we use the software named 'KOHA' in the Central Library which is an advanced open source integrated library system. It also embodies a software for the attendance of the library visitors. Besides, we have some 'inhouse' software which are indigenously developed in the college. To name a few, (1) PMS (Period Monitoring System) (2) SES (Students' Evaluation System) (3) Messaging system for stakeholders. The currently operational modules are as : • Students' Online Admission: Admissions to various programs run in our college have the online procedure. So, this module works aptly to accomplish the procedure of admissions. • Students' scholarship and database: The students' scholarship and details has been stored digitally and can be retrieved whenever required. • Fees (cashless): Students pay their fees through online transactions. They are benefited of having no fear of getting cheated at any point of time and of saving their valuable times. • Pay roll of Employees: The salaries and all sorts of payments of employees are being done in cashless manner. The details of the things have been recorded properly and flawlessly in the system. • Accounting: Accounting appears to be a complicated issue in terms of maintaining and record keeping. As it becomes computerized and centralized with the present system, the intricateness has been transformed to simpleness. All the accounts are done and kept in paperless manner and it becomes very helpful in auditing and any type of official investigation. • Feedback of Stakeholders: Feedback from stakeholders like students, teachers, alumni, parents and management on programmes, academic atmosphere and infrastructural facilities are being taken regularly through online. All the stakeholders are informed and participating in the process actively. • Attendance of students and staff: Our College is free from keeping bulky records pertaining to the attendance of students as well as staff. The month

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

Dhote Bandhu Science College has been committed to impart quality education to several generations of learners in various fields of science so as to help all round development of the students and make them responsible citizens of the nation. The institute is affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University. The curriculum is set by the university. What we strive to do within present framework, is the practice of effective curriculum delivery which takes into account the diverse needs of all our students. The institute tries to boost its teaching standard and inculcates in the minds of people of rural area as the institution a place of pride. Our faculties, who are members of different Boards of Studies, keep us updated regarding syllabus changes and curriculum updating. The faculties in order to update their knowledge go for refresher and orientation courses with regular intervals. A uniform academic calendar prescribed by RTMNU is followed by our institution. Timetable Committee of the college prepares timetable after the discussion with head of all the departments at the beginning of each semester. Each department conducts departmental meetings where workload distribution among staff is prepared for the given timetable. Faculties prepare advance academic planner for their work for timely implementation as well. As per time table prescribed in curriculum and classes are also monitored by period monitoring system. The teachers maintains teaching diary to plan and record their activities of curriculum delivery and activity performed. The e – content is made topic wise by the faculty enables the teachers to prepare themselves for the lectures including revision of the courses and examination. The departmental seminars, unit tests, group discussions and brain storming sessions are conducted in regular manner to evaluate the students for the examinations based on the curriculum. The college has the provision of regular meeting of all discipline under the chairmanship of the Principal to ensure effective implementation of the curriculum. The genuine grievances of the students with regard to the distribution of Internal Assessment Marks are seriously supervised and discussed. The committee also ensures the number of academic days as stipulated by the syllabi is made by arranging special classes in case of loss of regular working days. The remedial classes have been conducted for the weaker section of the students to reach the minimum qualifying level. Students Counselling Cell provide career guidance to students from time to time. Furthermore, apart from the regular use of ICT in lectures in normal days, our faculties engaged regular online classes during closure of Institutions due to COVID-19 through digital platforms like ZOOM, CISCO Webex, Microsoft Teams, TCSiON, Live Upgrad and YouTube videos. Webinars for students were successfully organized by all the departments by inviting eminent resource persons of the respective subjects of national and international repute. E-contents have been prepared and developed by all the faculties in an updated manner and provided to the students in college website--www.dbscience.org and also social-media networking

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
C-Programming	--	22/08/2019	180	Skill Development	--
CPP	--	22/08/2019	180	Skill Development	--
Linux	--	22/08/2019	180	Skill Development	--
Advance C	--	22/08/2019	180	Skill Development	--
Introduction to Computer	--	22/08/2019	180	Skill Development	--
Php My SQL	--	22/08/2019	180	Skill Development	--
Java	--	22/08/2019	180	Skill Development	--
GIMP	--	22/08/2019	180	Skill Development	--
Avagadro	--	22/08/2019	180	Skill Development	--
Libre Office Writer	--	22/08/2019	180	Skill Development	--
Libre Office Calc	--	22/08/2019	180	Skill Development	--
Libre Office Impress	--	22/08/2019	180	Skill Development	--
EXP-Eyes	--	22/08/2019	180	Skill Development	--

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NIL	Nill
[View File]()		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MSc	Physics	01/07/2019
MSc	Chemistry	01/07/2019
MSc	Computer Science	01/07/2019

| MSc | Botany | 01/07/2019 |
| MSc | Microbiology | 01/07/2019 |

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1496	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
--	Nill	Nill
[View File](#)		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Physics	18
MSc	Chemistry	15
MSc	Computer Science	15
MSc	Botany	16
MSc	Microbiology	20
BVoc	Software Developement	19
BVoc	Food Processing & Engineering	103
BSc	Career Edge- TCSiON free digital certificate course	12
BSc	Internshala -Young Achiever Scholarship	6
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
FEEDBACK ANALYSIS OF STAKEHOLDERS AND ACTION TAKEN REPORT (2019-2020) : The institution collects feedback on curriculum, courses and infrastructure from different stakeholders such as students, alumni, faculty, employers. Once the feedback is analyzed and valuable given suggestions are considered and necessary actions are taken. As per the provision of feedback from students on

curriculum, programs, teaching and infrastructural facilities, we have designed a form which we provide to the students to be filled with their views and vision. The feedback collected from the students from the students in the academic session 2019-2020 analyzed in Pi-chart format and the analyzed feedback report was submitted to the chairperson. Action Taken is given below. 1. Arrival of teacher on time for delivering lecture/practical - Some faculty members were pointed out to be little bit late in their lectures and practical. 2. Teacher's Regularity and Punctuality - They were properly informed by the chairperson regarding the matter and made themselves rectified and got punctual. 3. Teacher's Communication Skill - Teachers were found well-versed. 4. Usage of white interactive board -Teacher's computer/IT skills - Some faculty members doesn't use white interactive/IT-skill. They were asked to used the gazettes and ICT as much as possible as per the required and demand of the subject as well as student. 5. Teacher's Subject Knowledge - As per the feedback of students almost all the teachers were found proficient in their respective subjects. 6. Ability to bring conceptual clarity and promotion of thinking ability by teacher - Positive response received from the students in this context. 7. Motivation provided - The response of student in this regard was average. So, all the teachers were urged collectively to motivate the students in the class-room and outside the class-room for their studies and carries. 8. Teacher interaction and guidance outside of the class, clarification of doubts /difficulties - Students expressed their satisfaction in this point and appreciated the teachers as they guide the student in all respects not only but also at personal level 9. Completion and Coverage of course before examination - Satisfactory. 10. Teacher's overall performance - Satisfactory. 11. Online Learning (E- Learning Platform) during the COVID-19 Pandemic - All the students are satisfied. 12. Have you downloaded the subject E- content uploaded in the E-tutorial section of college website? Visited http://vidyamitra.inflibnet.ac.in/ for online learning - All the students are satisfied. 13. Do you face any problem related to understanding of topics given in E-tutorial online videos? - Most of the students are not satisfied for understanding of topics given in E- tutorial online videos.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc	Chemistry	22	22	22
BVoc	Software Developement	50	20	20
BVoc	Food processing & Engineering	50	26	26
BCA	Comp. Application	120	129	129
BSc	Maths & Biology group	420	1645	459
MSc	Physics	22	22	22
MSc	Botany	22	22	22
MSc	Microbiology	22	22	22
MSc	Comp. Science	22	19	19

PhD or DPhil	Physics	5	3	3

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1546	194	32	Nill	12

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning 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
32	32	165	14	8	8

[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)

All the departments have implemented mentor mentee system effectively for enhancing teaching learning process. Under the mentor mentee process, teachers carry out different programs and activities to provide learning support to all students to bring them up to the expected level. Therefore all teachers of our college are directed to follow guidelines for the implementation of mentor mentee system. - All teaching faculties are allotted number of students as mentee (50) - The concerned teacher interacts with their mentees to access their problems regarding teaching learning process and other problems. - On the basis of feedback, the teachers conduct various activities to promote the respective students as per their capacities. - Through mentor mentee system the socio economic problems of the students are also addressed. Guidelines for learning support for identified students: - Mentors help the mentee to improve their communication skills and developing qualities of leadership among them. - They also do regular counseling regarding their career, future prospects and opportunities. There is a tutorial system in some departments where teachers act as academic mentors. A student counsellor meets every student of the college and offers counseling to those seeking personal help. She also enables academic mentoring. Help by both college teachers and the counsellor is availed of by parents as well, depending upon the gravity of the need. Students Mentoring systems was implemented in the institution where in 40 Students were mentored by one teacher who were counselling, guiding and making efforts to improve students academic, as well as non-academic performance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1740	32	1:54

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	29	19	Nill	20

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	Nill	Nill	Nill

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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	MSc	IV	22/10/2020	20/11/2020
BVoc	BVoc	VI	28/10/2020	26/11/2020
BCA	BCA	VI	02/11/2020	24/11/2020
BSc	BSc	VI	21/10/2020	23/11/2020

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

The teaching, learning and evaluation are integrated and indissoluble components of education. The examination reforms in the Institute, is not merely a technique to improve the evaluation system but to be viewed as an aim at improving the education process itself. The main objectives of evaluation procedures are: • The system of evaluation should be adequate and comprehensive so as to measure different types of skills. • The system should provide a feedback to the students regarding their strengths and weaknesses to the teacher as to how far they has been able to benefit the students and to modify his/her approach and teaching methods. • To evaluate the performance by a method, that will be free from subjectivity and be accurate as far as possible. Semester system with continuous internal evaluation was necessitated in order to tide over the annual system, which tested the ability to memorize, remember and reproduce. Keeping in view the impact of internationalization of education, it was necessary to reform the examination pattern. The practical or applied aspect of the knowledge has to be taken into consideration. The institute's indigenous internal assessment is transparent with due formative and summative evaluation. An academic calendar clearly specifying the date/time of various academic events to take place during the academic session should be notified prior to the commencement of the academic session. It also promotes the student to participate in mini project demonstration, model exhibition, programming skill competitions, mega projects, technical paper presentation, workshop and seminar. CIE Components also includes MCQs, Quiz competition, home assignments, Lab Exercises and Practicals.

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

Academic calendar is the back bone of various teaching-learning plans prepared before start of every semester. Teaching plan includes Lecture number, Unit number, content of syllabus to be covered, methods of delivery, modern tool, papers referred, text book/reference book, website referred etc. Academic Calendar lays down a very strong foundation of the academic delivery. Preparation of the Academic Calendar begins well before the commencement of the academic year. The Academic calendar is designed in line with the affiliating

RashtrasantTukadojiMaharaj Nagpur University's Academic calendar and takes into consideration the holidays and vacation. The suggestions given by the Governing Body are incorporated in the academic calendar before it is finalized. The academic calendar is communicated to the students by displaying it on a website, notice board, induction manual and Institute's prospectus. The Academic Calendar helps as a source of information and planner for students, faculty, staff, and other stakeholders of the institute. It encompasses all the processes of the institute such as, the Student section, Administrative, Academic, co-curricular and extracurricular activities. Remedial sessions are conducted on weekdays and also on free time of student's schedule.

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://www.dbscience.org/wp-content/uploads/2019/12/Course-Outcome-dbscience.pdf

2.6.2 – Pass percentage 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
MSc	MSc	Microbiology	19	19	100
MSc	MSc	Botany	18	11	61.11
MSc	MSc	Comp. Science	18	15	83.33
MSc	MSc	Physics	17	5	29.41
MSc	MSc	Chemistry	21	4	19.04
BVoc	BVoc	Food Processing & Engineering	27	23	85.18
BVoc	BVoc	Software Development	22	15	68.18
BCA	BCA	BCA	61	49	80.32
BSc	BSc	BSC	324	197	60.80

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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)

https://www.dbscience.org/wp-content/uploads/2021/02/Report-sss-converted.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year

Nill	0	0	0	0

[View File](#)

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Entrepreneurship workshop on Organic Farming	Botany	17/12/2019
Two days Training work Shop on Organic Farming	Botany	13/08/2019
Microcontroller and its Application in Industry	Electronics	18/05/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				

[View File](#)

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NA	NA	NA	NA	NA	Nill

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Physics	1
Mathematics	1
Chemistry	1
English	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Botany	1	2.38
International	Chemistry	4	0.32
International	Physics	3	0.65
International	English	4	4.2
International	Microbiology	1	6.03
International	Zoology	2	0

National	English	5	5.24
National	Microbiology	1	5.75
National	Zoology	3	2.04
[View File](#)			

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
Physics	2
Zoology	1
Mathematics	3
Computer Science	1
[View File](#)	

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

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
Spinel Ferrite Nanoparticles:Synthesis, Characterization and Applications	D. L. Chaudhari, D. S. Choudhary, K. G. Rewatkar	International Journal of Trend in Scientific Research and Development (IJTSRD)	2020	0	Dhote Bandhu Science College, Gondia	Nill
Influence of Cr3 on structural and dielectric properties of Ni0.25Cu0.2Zn0.55Fe2O4 nano particles	A.M. Shahare , D.S. Choudhary , A.V. Bagde, Y.S. Bopche	Materials Today: Proceedings	2020	1	Dhote Bandhu Science College, Gondia	1
Study of structural and magnetic properties of Zinc-Substituted Cadmium ferrite nanocrystals	A.K. Nandanwar , D.L. Chaodhary , S.N. Kamde , D.S. Choudhary , K.G. Rewatkar	Materials Today: Proceedings	2020	2	Dhote Bandhu Science College, Gondia	2
Comparative Study	Sandhya D.	International	2019	Nill	Dhote Bandhu	Nill

Title	Author	Journal	Year		Institution	
Between Generic and Ethical Drugs against Uropathogenic Escherichia Species isolated from Gondia District of Maharashtra	Tambekar	Journal of Research and Analytical Reviews (IJRAR)			Science College, Gondia	
Effect of Commercially available Generic and Ethical Drugs against isolated Uropathogenic Escherichia: A Study.	Sandhya D. Tambekar	Indian Journal of Applied Research	2020	Nill	Dhote Bandhu Science College, Gondia	Nill
Microwave Assisted Synthesis, Characterization and Anti-TubercularActivity of 4-Quinolylhydrazone	Bisen Chandrakant V., Patle M. R., Rahangdale P.K.	Journal of Drug Delivery Therapeutics	2019	Nill	Dhote Bandhu Science College, Gondia	Nill
Impact of aeroallegerans: On Human Health	G P Gadekar, K P Ghoshal	Think India Journal	2019	Nill	Dhote Bandhu Science College, Gondia	Nill
Regression Analysis and Docking Study of 4-Quinolylhydrazone Based Compounds	C.V. Bisen, M.R. Patle and R.M. Patle	Asian J. Org. Med. Chem	2019	Nill	Dhote Bandhu Science College, Gondia	Nill

Title of the Paper	Author	Journal	Year			
as Antituberculosis Agents						
Synthesis of Chromone Functionalized Chitosan Polymer: Application/Screening of Its Physical Parameters	Ajay M. Ghatole, Mahesh K. Gaidhane, Kushal R. Lanjewar	Polymer Science, Series B	2020	Nill	Dhote Bandhu Science College, Gondia	Nill
Pharmacokinetics, Drug-Likeness, Medicinal Properties, Molecular Docking Analysis Of Substituted ?-Lactams Synthezied Via [Bmim][PF6]/]Et3NH][HSO4]-Catalyzed Coupling Reaction	Ajay M. Ghatole, Mahesh K. Gaidhane, Kushal R. Lanjewar, Kishor M. Hatzade	Chemistry: Bulgarian Journal of Science Education	2020	4	Dhote Bandhu Science College, Gondia	4

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Impact of aeroallegerans: On Human Health	G.P. Gadekar, K. P. Ghoshal	Think India Journal	2019	Nill	Nill	Dhote Bandhu Science College, Gondia
Spinel Ferrite Nanoparticles:Synthesis, Characterization and Applications	D. L. Chaudhari, D. S. Choudhary, K. G. Rewatkar	International Journal of Trend in Scientific Research and Development	2020	Nill	Nill	Dhote Bandhu Science College, Gondia

		(IJTSRD)					
Influence of Cr3 on structural and dielectric properties of Ni0.25Cu0.2Zn0.55 Fe2O4 nano particles	A.M. Shahare , D.S. Choudhary , A.V. Bagde, Y.S. Bopche	Materials Today: Proceedings	2020	3	1	Dhote Bandhu Science College, Gondia
Study of structural and magnetic properties of Zinc-Substituted Cadmium ferrite nanocrystals	A.K. Nandanwar , D.L. Chaodhary , S.N. Kamde , D.S. Choudhary , K.G. Rewatkar	Materials Today: Proceedings	2020	3	2	Dhote Bandhu Science College, Gondia
Comparative Study Between Generic and Ethical Drugs against Uropathogenic Escherichia Species isolated from Gondia District of Maharashtra	Sandhya D. Tambekar	International Journal of Research and Analytical Reviews (IJRAR)	2019	Nill	Nill	Dhote Bandhu Science College, Gondia
Effect of Commercially available Generic and Ethical Drugs against isolated Uropathogenic Escherichia: A Study.	Sandhya D. Tambekar	Indian Journal of Applied Research	2020	Nill	Nill	Dhote Bandhu Science College, Gondia
Microwave	Bisen Chandrakant	Journal of Drug	2019	Nill	Nill	Dhote Bandhu

Assisted Synthesis, Characterization and Anti-TubercularActivity of 4-Quinolylhydrazone	V., Patle M. R., Rahangdale P.K.	Delivery Therapeutics				Science College, Gondia
Pharmacokinetics, Drug-Likeness, Medicinal Properties , Molecular Docking Analysis Of Substituted ?-Lactams Synthezied Via [Bmim][PF6]/]Et3 NH][HSO4]– Catalyzed Coupling Reaction	Ajay M. Ghatole, Mahesh K. Gaidhane, Kushal R. Lanjewar, Kishor M. Hatzade	Chemistry: Bulgarian Journal of Science Education	2020	Nill	Nill	Dhote Bandhu Science College, Gondia
Synthesis of Chromone Functionalized Chitosan Polymer: Application /Screening of Its Physical Parameters	Ajay M. Ghatole, Mahesh K. Gaidhane, Kushal R. Lanjewar	Polymer Science, Series B	2020	5	4	Dhote Bandhu Science College, Gondia
Regression Analysis and Docking Study of 4-Quinolylhydrazone Based Compounds as Antituberculosis Agents	C.V. Bisen, M.R. Patle and R.M. Patle	Asian J. Org. Med. Chem	2019	Nill	Nill	Dhote Bandhu Science College, Gondia
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	19	27	3	6
Presented papers	13	13	Nill	Nill
Resource persons	1	Nill	Nill	5
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Food Nutrition, Quality and Safety	D.B.Science College, Gondia	2	123
Eco-Friendly Ganpati Making Workshop	Satpuda Foundation, Gondia	2	79
Fit India Movement	D.B.Science College, Gondia	1	75
Community Development programme- Health Awareness Campaign	Local People of Pendharitola (slum)	2	120
Organ Donation Awareness Programme	Saksham NGO, Gondia	5	234
NSS: An Opportunity for Youth to Contribute in Nation Building	Gayatri Shaktipeeth, Gondia	3	130
Snake Bite: Prevention Treatment	Satpuda Foundation, Gondia	2	85
World No-Tobacco Day Celebration	Eco-club, Dhote Bandhu Science College	1	51
Swachata Campaigning	NSS	3	145
International Yoga Day Celebration	Yog Utsav Samiti, Gondia	3	14
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited

Tree Plantation at Mundipar Forest Area Gondia	Appreciation	Gondia Van-Vibhag Government of Maharashtra	135
One day Awareness workshop on Bee Keeping "Honey Mission" at Lamba Tola	Recognition	KVIC, MSME, Govt. of India	76
Voter awareness Campaign (GPG)	Best Performer	Election Department, Collector Office, Gondia	254
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Eco-Friendly Ganpati Making Workshop (29th Aug, 2019)	Satpuda Foundation, Gondia	Eco-Friendly Ganpati Making Workshop (29th Aug, 2019)	2	79
Awareness Campaign at Pendharitola (25th Aug, 2019)	Local People of Pendharitola	Awareness Campaign at Pendharitola (25th Aug, 2019)	3	120
Organ Donation Awareness (24th Aug, 2019)	Saksham NGO, Gondia	Organ Donation Awareness (24th Aug, 2019)	5	234
NSS: An Opportunity for Youth to Contribute in Nation Building (12th Aug, 2019)	Gayatri Shaktipeeth, Gondia	NSS: An Opportunity for Youth to Contribute in Nation Building (12th Aug, 2019)	3	130
Snake Bite: Prevention Treatment (30th July, 2019)	Satpuda Foundation, Gondia	Snake Bite: Prevention Treatment (30th July, 2019)	2	85
World No-Tobacco Day (11th July, 2019)	D.B.Science College, Gondia	World No-Tobacco Day (11th July, 2019)	1	51
Swachata Campaigning	NSS	Swachata Campaigning	3	145
International Yoga Day (21st June, 2019)	Yog Utsav Samiti, Gondia	International Yoga Day (21st June, 2019)	3	14

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research	2	Institution	6

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industrial Training	Industrial Internship	TIU Consulting Pvt. Ltd. Tiroda Rd, Kudwa, Gondia, Maharashtra 441614 Contact no.: 9823248246	Nill	Nill	1
Industrial Training	Industrial Internship	R T Soft Solutions, Ring Road, Kudwa, Gondia, Maharashtra 441614 Contact no.: 7020795007	Nill	Nill	2
Industrial Training	Industrial Internship	Webdroid Edutech, 1st Floor, Plot No, 71, Mokhare College Rd, Bhamti, Lokseva Nagar, Sambhaji Square, Nagpur, Maharashtra 440022 Contact no.: 95031 54585	Nill	Nill	7
Processing of Milk and Milk Product	Industrial Internship	Panchmahal District Cooperative	22/01/2020	22/04/2020	2

and Quality Control viz. Milk Collection,Testing, Distribution, Dispatch etc.		Milk Producers Union Ltd. Lunawada Rd, Panchamrut, Godhra, Gujarat 389001			
Processing of Snack and Bhujiya, Quality Control viz. Testing, Distribution, Dispatch etc.	Industrial Internship	HALDIRAM FOODS INTERNATIONAL PVT LTD, Plot No. 145/146, Haldiram House, Bhandara Road Chowk, Old Pardi Naka, Surya Nagar, Nagpur, Maharashtra 440035	01/01/2020	30/03/2020	3
Processing of Milk and Milk Product and Quality Control viz. Milk Collection, Testing, Distribution, Dispatch etc.	Industrial Internship	SHRIRAM COOPERATIVE MILK LTD.	01/01/2020	28/02/2020	11
Food Production operation and Quality Control viz. Testing, Distribution, Dispatch etc.	Industrial Internship	BHANU FARMS LTD.Ghunsor Village, Tehsil - Shahpura,Jabalpur, Madhya Pradesh 483119	01/01/2020	28/02/2020	8
Biscuit and confectionery product	Industrial Visit	Shivam Food Pvt. Ltd. Nagpur-440009, Maharashtra	26/09/2019	Nill	26
Processing of Fruit and vegetables, Frozen food and Quality Control	Industrial Visit	M/S Global Foods, Khasra No. 32/1 32/2 Govind Garh, Behind Uppalwadi Industrial	26/10/2019	Nill	27

		Area Kamptee Road, Post Office Uppalwadi, Nagpur 440026, Maharashtra			
Processing of Spices and quality Testing	Industrial Visit	M/S Waghmare Food Products Pvt. Ltd., Nagpur	29/02/2020	Nill	26

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Department of Spirituality, Dev Sanskriti Vishwavidyalaya, Haridwar, Uttarakhand	01/09/2019	Nill	Nill
District AIDS Prevention and Control Unit (DAPCU), Kuwar Tilaksingh District General Hospital, Gondia under Government of Maharashtra State AIDS Control Society (MSACS)	23/08/2019	Collaborate the Health Awareness Programme nad activities: 1) Inaugural Ceremony of Red Ribbon Club (RRC) and HIV/AIDS Awareness program on 23rd August, 2019. 2) Celebration of International Youth Day by or	120
Satpuda Foundation	Nill	1. Selfie with Sapling 2. Incredible diversity 3. Ganesha Idol Workshop 4. Guest Lecture on Identification of Poisonous and Nonpoisonous Snakes	100
Maharashtra Center for Entrepreneurship Development (MCED)	Nill	Industry Visit, Industrial Internship, Guest Lecture, Workshop	36
GLOBAL FOOD PVT. LTD., No. 32/1	Nill	Nill	Nill

32/2, Govind Garh, Behind Uppalwadi Industrial Area, Kamptee Road, Post Office Uppalwadi,Nagpur 440026, Maharashtra, India			
Maharashtra Center For Entrepreneurship Development (MCED)	06/12/2019	Workshop, Entrepreneurship Training, Guest Lecture	52
NASSCOM, IT ITeS Sector Skill Council, New Delhi	Nill	Training, Assessment Evaluation	103
SSIT Pvt. Ltd., Trimurti Nagar, Nagpur, 440022	Nill	1.Workshop 2. Faculty development Program3. Students Internship and training 4. Joint Projects like Conference, seminar, etc 5. Helping students for their employment in relevant industries	47

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
30	24.58

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation

KOHA Library Management Software	Fully	18.11	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	39987	7682659	378	496683	40365	8179342
Reference Books	8032	Nill	Nill	Nill	8032	Nill
Journals	25	59850	1	3000	26	62850
CD & Video	1148	Nill	112	Nill	1260	Nill
Library Automation	1	Nill	Nill	Nill	1	Nill
Others(specify)	1	5900	Nill	Nill	1	5900

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
All the teachers of College	e- content on curriculam	Institutional (web-site of college- open Access)	29/04/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	176	79	176	12	40	19	22	0	0
Added	3	0	0	1	0	0	2	35	0
Total	179	79	176	13	40	19	24	35	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

35 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
In house developed e-content	https://www.dbscience.org/e-tutorials/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
2500000	2150410	2000000	1813231

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 adopted policies for maintaining, upgrading and utilizing the infrastructure and resources available with it. Mentioned below are the procedure and policies developed by the college. Physical Facilities: (Laboratory, classroom, department and administrative office etc) The college has one of the finest infrastructures which is being timely up-gradated and reconstructed to improve its utilization. College emphasised maximum utilization and maintenance of infrastructure and resources available for students and staff. Following procedure have been decided for considering upgrading infrastructure. Steps: 1. Proposals for upgrading infrastructure are accepted from all stakeholders. 2. Recommendation are considered for infrastructural change provided by Local Advisory Committee (LAC), Management committee of the college, Alumni Association, and different stakeholders of the college. 3. Aprroval for fund utilization from the college management. 4. Initialization of infrastructural development. Academics: 1. All faculties are encouraged to participate in BOS. of Rashtrasant Tukdoji Maharaj Nagpur University and different board of studies for syllabus up-gradation. 2. Many faculties are the authors for different publications who have written books for U.G. students of R.T.M. Nagpur University. 3. Faculties are encouraged to participate in refresher course/ FDP in their respective subjects. Smart learning(ICT based Teaching, Virtual Labs, Simulation based Practicals) is initiated by college faculties for better understanding of subject matter. 4. Hi speed internet and wi-fi is made available in the college premise. Library: 1. Recommendations for subject related books are accepted from faculties and students. 2. Recommended books, journals, periodicals are made available in the library in printed and digital form.Special attention is made to provide books on variety of topics to be available in the college including textbooks, magazines, research papers, reference books, periodicals, e-books. 3. Recommended study material for different Competitive Exams is made available in the college. 4. Automization of library is made for easy access to the books through Library software. 5. Book fair has organized to spread reading habit among the students. Sport Complex: 1. New gymnasium is being constructed for the students. 2. Students and faculties are encourage to optimise use of sport facilities 3. New Sports instruments and sports kits are regularly purchased and made available to the students for their practice. Computers: 1. College regularly purchase new computer systems with upgrades softwares. 2. New computer labs have been constructed with advance features of ICT technologies. 3. Many add-on courses are available for the students through department of Computer Science. 4. ICT facility is made available in Labs, classrooms, and Library. Special care has been taken to have maximum utilization of present infrastructure of the college.

https://www.dbscience.org/wp-content/uploads/2019/12/Procedures-and-policies-for-optimum-utilization-of-infrastructure.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	**Nil**	**0**	**0**
Financial Support from Other Sources			
a) National	**GOI Scholarshi, Freeship, EBC**	**1105**	**5596850.5**
b)International	**NIL**	**Nill**	**0**
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
1. Soft Skill	**26/08/2019**	**79**	**British Council Certified IELTS Trainer, Hyderabad**
2. Language and Communication skill	**19/08/2019**	**77**	**Dr Dilip Jena, Institutional Level**
3. Life Skill (Yoga, Physical Fitness and Health and Hygine)	**24/08/2019**	**126**	**Reliance Hospital Cancer Care, Karanja Gondia**
4. ICT/ Computing Skill	**01/07/2020**	**Nill**	**TCSiON, Upgrade Live classes, ICT classes**
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	**Career Counseling**	**Nill**	**20**	**Nill**	**Nill**
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	**Nill**	**Nill**

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus	Off campus

Name of organizations visited	Number of students participated	Number of stduents placed	Name of organizations visited	Number of students participated	Number of stduents placed
Lupin Limited, TCS	227	8	Wipro, Capegemini, Deloitte	83	9

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Sc	Dhote Bandhu Science College, Gondia	Sinhagad Institute of Management, Pune	MBA
2019	8	B.Sc	Dhote Bandhu Science College, Gondia	Savitribai Phule,Pune University,VJTI Mumbai,Kavayitri Bahinabaichaudhari North Maharashtra University, Jalgaon,VMV ,Wardhaman Nagar,Nagpur, Shri Ramdeobaba College of Engineering And Management, Nagpur,Sinhagad Institute of Management, Pune	MCA
2019	Nill	B.Sc	Dhote Bandhu Science College, Gondia	Osmania University,Rajiv Gandhi Biotechnology Department,Nagpur, Amity University,Mumbai,Govt. Institute of Science,Nagpur,J.B. Science College,Wardha, Shri Shivaji Science	---

| 2019 | 90 | B.Sc | Dhote Bandhu Science College, Gondia | PGTD,Nagpur,Govt. Institute of Science,Nagpur,S.M.V Nagpur,D.B. Science College,Gondia,Kamla Nehru College,Nagpur,D.Y Patil, Pune,School of Science, Nashik,New Arts, Comm. Sci College, Wardha,Dr Ambedkar College,Nagpur, S.F.S College,Nagpur | --- |

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	Nill
SET	Nill
SLET	Nill
GATE	Nill
GMAT	Nill
CAT	Nill
GRE	Nill
TOFEL	Nill
Civil Services	Nill
Any Other	Nill

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
75th Birth Anniversary of Aajad Hind Sena of NetajiSubhash Chandra Bose and Birth Anniversary of NetajiSubhash Chandra Bose Celebration	Institutional Level	30
Celebrated Gandhi Jayanti	Institutional Level	125

Laxminarayan Day celebration	Institutional Level	20
Painting Competition	Institutional Level	22
On Spot Painting	Institutional Level	22
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Intercollegiate University Level Elocation Competition	National	Nill	1	2008591	Neha S. Hume

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Usually, Students' Council (SC) is formed with the guidelines of the affiliating university, i.e. RTMNU (Rastrasant Tukdoji Maharaj Nagpur University) every year. Since the elections for SC at college as well as university level have not been conducted for two years, we constitute SC of our college by nominating students' representatives from various categories by taking their merit into consideration. The council stands functional throughout the academic session and works as a bridge between the administration of the college and the students. The members of the SC actively coordinate with the Principal and staff for solving any sort of problems and complaints. The CDC (College Development Committee) embodies members from staff, management, alumni and students. The CDC happens to be the backbone of the college as it takes all the important decisions regarding the matters of academics, administration and development. Moreover, the secretary of SC in the respective academic session has been an active member of IQAC. The college has an annual magazine in which students have a lion's share in the Editorial Board. In this context 'Uddan Club' is constituted primarily incorporating students to collect and compile students' views and thoughts on various issues. Moreover, various cells, clubs and units like NSS, NCC, Eco Club, Red Ribbon Club are functioning actively where different bodies comprising of students are formed for the smooth conduction of activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

0

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)

Decentralization - The college believes in decentralized governance and Participative management. Teaching and nonteaching staff members share the administrative responsibility of the college and contribute in smooth working of administrative machinery. Operational autonomy is given to following units of the college – • Governing Body • College Development council • Committees constituted by staff council • Departments under their respective teachers in-charge Decentralization include the following - 1. Principal Level- The Management delegates all the academic and operational decisions based on policy to the Principal in order to fulfill the vision and mission of the college. Staff council and IQAC formulates common working procedures and entrusts the implementation with the faculty members. 2. Faculty Level- Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular, and extracurricular activities. Starting from the lecture monitoring to implementing PBAS, all the activities were chalked out and independent cells committees were formed accordingly under the chairmanship of the principal. In the beginning of session the staff council meeting took place in which all discussion and decisions regarding the plans and policies of these committees and cells were put in place and principal rendered free hands to Heads and in-charges for the smooth functioning. Subsequently, the list of portfolios along with their heads and members, plans and policies were kept on record by IQAC and provided to the respective heads and members. Other units of the institute like sports, library, store etc. have operational autonomy under the guidance of the various committees/cells. In this process, the decentralization of administrative work was successfully done and the responsibility are collectively shouldered. Participative management - The institute promotes a culture of participative management by involving the staff and students in various activities. All decisions of the institution are governed by management of facts, information and objectives. Both students and faculties allowed to express themselves of any suggestions to improve the excellence in any aspect of the Institute. The principal, HODs and staff members are involved in defining the policies and procedures, framing guidelines and rules regulations pertaining to admission, placement, discipline, grievance, counseling, training development, and library services etc., and effectively have been implemented the same to ensure smooth and systematic functioning of the institute. For the various activities to be conducted by the institute all the staff members meet, discuss, share their opinion and plan for the event and form various committees involving students and coordinate with others. Staff members are also involved in deciding academic activities and examinations to be conducted by the college. At functional level the faculty members have participated in sharing the knowledge and executed the same in helping hands of supporting staff and students.

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	Although Curricular Development, which is governed by Rashtrasant Tukdoji Maharaj Nagpur University, is not under the direct control of the institution, it identifies the educational strategies by which the curricular quality can be improved and objectives will be achieved. It also tries to identify sufficient resources, support, and others factors in the effective and successful implementation of the curriculum. The institution encourages its teachers to contribute to the Curricular Development. The teachers of the institution contribute to the Curricular Designing of the university through their participation in BoS as a member or chairman and also by attending the workshops on Curricular Development. The course curricula of Certificate or add-on courses is developed by the faculty members by identifying the skill gaps and get approved from the affiliating university.
Teaching and Learning	The institution endeavors to improve the quality of teaching and learning in the College through: 1. Academic Calendars: Institutional Academic Calendar is prepared to ensure that academic activities are well planned. The Institutional Academic Calendar is published in College Information Brochure and on college website. 2. Institutional and Department Quality Objectives: Every department of the institution sets its Quality Objectives related to results, curricular, co-curricular and extra-curricular activities for the academic year. 3. Teaching Plans: Teachers of the concerned departments have prepared their term-wise teaching plans of the papers they teach. These plans are checked and the implementation of the same is verified by the concerned head of the department / prof-in-incharge. 4. Promotion of Innovations: IQAC promotes innovations in teaching learning methods and verifies the same through teaching plan. A record of lectures conducted using ICT tools is maintained. 5. Monitoring of teaching

	process: IQAC monitors the teaching process of all departments of the institution through the Monthly Teaching Summary submitted by prof-in-charge of the ICT / Period Monitoring. 6. Academic Audits: The IQAC has trained some of the teachers from the college for conducting academic audits. It conducts 'Academic Audits' In each term. The trained teachers visit other departments as per the schedule to verify the teaching-learning process related activities. The concerned department and its teachers are made aware of the positive and negative aspects of the process. Suggestions for improvement are also given and the follow-up is taken accordingly. The record of the same is maintained by IQAC. 7. Feedback: Students' feedback on teachers is one of the important means to bring improvement in Teaching-Learning process. Hence, the IQAC of the institution has prepared the questionnaire, keeping in view the points for improvements in different aspects of teaching and teacher's behavior on four-point scale. 'Students' feedback on teachers' is conducted annually i.e. in each term by the Feedback Committee. The feedback negative or positive is analysed and communicated to the concerned teacher through the head of the institution. In case of the teacher receiving below average feedback the principal asks for the action plan of improvement and implantation is monitored and verified. 8. Mentor - mentee system : Mentor Teachers are designated for group of students who ensure counselling of the students on academic, career and psycho-social issues. 9. Identification of Slow and Advanced Learners: Mentor teachers identify slow and advanced learners. Advanced learners are encouraged for schemes such as seminars, exhibition projects while remedial coaching is offered to slow learners.
Examination and Evaluation	The institution, being affiliated to the Rashtrasant Tukdoji Maharaj Nagpur University, has to follow the examination and evaluation system devised by the system. However, for the effective implementation of this system, the institution always tries to come up with innovative methods. Still,

	the institution brought into following reforms: 1) Centralized Internal Examinations: Teachers of the science faculty would conduct class-tests individually earlier which would often hamper other classes as the students would skip classes for preparation. To overcome this problem, the institution decided to conduct these tests centrally by devising the time-table for the same. This has resulted into saving time and bringing order. Also assignments are given to the students. The internal marks are given on the basis of performance in the internal examination. 2) Provision of Photocopies of the answer sheets: As the UGC and university norms, the institution has started providing the photocopies of the answer-sheets to the students desirous. 3) Students grievances Committee: The committee resolves the issues of students related to the assessment. Other than university examination (semester-wise), college uses following techniques of evaluation. Continuous compressive evaluation through Diagnostic, formative, and summative evaluation. An inhouse designed online evaluation platform, Result alert through SMS. Regular structured feedback post evaluation.
Research and Development	College Research Advisory Committee promotes and monitors progress of research work. The college recognized as 'Centre for Higher learning and Research',03 research laboratories in Physics, Chemistry and Botany by Rashtrasant Tukdoji Maharaj Nagpur University.
Library, ICT and Physical Infrastructure / Instrumentation	Ecofriendly campus with lush green lawn is major adornment of the institution. Adequate infrastructure is provided for Teaching, Learning, Research, Extension, Sports, and Cultural activities. Laboratories are well equipped for basic and research in most of the subjects. Library,Girls' Common Room, Reading room, Fully equipped auditorium, Seminar Hall, Conference room, students section, NCCNSS room, Botanical garden and sufficient Parking Area facilities are available. College has utilized adequate funds for maintenance and creation of newer facilities through

	establishment of ICT enabled Smart Classroom, CCTVs, RO Water, Solar Panels, Newer Furniture and Repairs, Purchase of Newer Equipments, Building Maintenance, Annual Maintenance Contracts (A.M.C.) of Instruments and their Insurance. Library is atomized with LMS KOHA, registered for N-LIST programme through which numerous e-books, e-journals are accessible. Sufficient journals and magazines, CDs/DVDs, developed e-content by teachers in the form of text books, notes, power points hosted on the website for exchange with students. Large collection of books including that for Competitive Examination and Reprographic facility is utmost usage for students. Library has a students reading rooms, Centralized net access and some Departmental Library Facility in some Departments. Library organizes annually Book Exhibition. Centralized Internet Facility at Computer Department. Additionally all departments have net connectivity through LAN and whole campus is networked with secured WiFi facility. An auditorium with 200 seating capacity, 01 Seminar Halls, 01 conference room, Playgrounds, Gymnasium, outdoor and indoor game facility, RO Water facility, Generator Backup etc. are campus enriching facilities.
Human Resource Management	The success of any organization is dependent on the quality of the Human Resources. College management has given priority to identifying persons with exceptional qualities and giving them opportunities to maximize their performance to meet the strategic objectives. Recruitment is in compliance with UGC, University and State Government rules. Regular performance appraisal of teaching and nonteaching staff is done. The CR of each employee is maintained. Training is arranged for teaching as well as nonteaching staff for their professional development and also motivated to participate in Faculty development programme.
Industry Interaction / Collaboration	To bridge the gap between theory and practical, Industry Interaction has been established by the college as a part of quality improvement strategy

	through establishing MoUs. Some of the initiatives in this direction are: Regular interactive sessions with industry/experts for understanding industry need. Face to face / Panel discussions between the students, teachers and industry experts during industrial visit and internships to know the current scenario and recent developments in particular industries (especially for computer science and life sciences). On Site visit to industries to understand the process followed in the industry. Facilitate activity of working on live projects for computer science students. Guest lectures/ special courses for students with the help of Industry experts.
Admission of Students	Process of admission to various programmes of the Institution: 1. For General UG courses (B.Sc., B. C. A.) The admission is based on merit at the 10 plus 2 qualifying examination and eligibility for reservation, as per the order of Government of Maharashtra and the affiliating University i.e. RTM Nagpur University and UGC norms. 2. For Vocational UG course (B.Voc.) The students qualifying 10 plus 2 level and or wanted to have horizontal mobility can get admission to the B.Voc. programme subject to the affiliating University i.e. RTM Nagpur University and UGC norms. 3. For PG courses (M.Sc. courses) - The admission is centralized and based on merit at the graduate examination and reservation, as per the order of Government of Maharashtra and the affiliating University i.e. RTMNU University. 4. For Research program - PhD students are admitted on the basis of presentation of the proposed work conducted by the concerned department along-with the Research advisory committee constituted by RTM Nagpur University. The lists of applied, interviewed and selected candidates are recommended to the University for registration of Ph.D. programme. 5. For Courses under Community college scheme of UGC - Admission is based on the guidelines of the UGC Community College. Failure or discontinued from regular courses may be admitted. 6. For Add on Courses - Admission is based on the prescribed guidelines. The courses (skill based Certificate or Diploma) are identified by the respective

	departments from various Institutes of National repute and vide publicity is done among the all students. The students are made to register the courses and progress is monitored by the mentor.

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

E-governace area	Details
Planning and Development	e- Governance in the area of Planning and Development Implemented in the following forms, 1. Online updation of Local Enquiry Committee. 2. Online Preparation of AQAR Report. 3. Online Financial Management 4. Cashless transactions at the students counter 5. Online communication with DCUD, RTM Nagpur University for CAS promotions 6. Internal Assessment, 7. Attendance. 8. In house developed IT section for printing of BT card, I-Card etc.
Administration	The best governance practices are as under- 1. Complete ERP 2. Decentralization of administrative work 3. Academic audit of each department 4. Monitoring of staff attendance 5. Pay roll 6. Biometric movement check
Finance and Accounts	Softwares : Tally, busy. Database : Masters software
Student Admission and Support	Governance in the area of Student Admission and Support Implemented in the following forms, 1. Online registration, Admission , fees, Pay roll, Scholarship. attendance. period monitoring System, feed back 2. Portal for availing various government schemes. 3. Access to avail Bus pass facility for the students
Examination	Governance in the area of Examination Implemented in the following forms, 1. Updation of Internal Assessment marks on RTM Nagpur University Portal. 2. Updation of Practical and Project Marks on RTM Nagpur University Portal. 3. Online Generation of hall ticket for RTM Nagpur University Examinations 4. Deceleration of Semester results. 5. Applying for Challenge to valuation process. 6. Planning and execution of Semester Examination (e-paper, data foils) 7. Online Internal Evaluation/CIE 8. Generation of mark sheet by in house developed software 9. Monthly students attendance record through SMS alert, record keeping etc. paper less communication with the

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	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Dr. D. S. Choudhary	6.3.1 – Teachers provided with financial support to attend conferences (ICAPCM-2020))	Nill	3000
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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)
2019	Nill	Workshop on KOHA	08/04/2019	12/04/2019	Nill	5
2020	Hands on training on teachingLearning platforms like TCSiON, Microsoft Team, Upgrad etc.	Nill	29/04/2020	29/04/2020	29	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
E-Short Term Course on Plant Propagation and Nursery Management.	1	05/05/2020	11/05/2020	7

ARPIT Course for Career Advancement Scheme(CAS) promotion 'Leadership And Governance In Higher Education Level 2'	1	01/09/2019	20/01/2020	96
Refresher Course in Physics	1	16/12/2019	28/12/2019	12
Faculty Development Programme On "Empowerment Through Digital Technology and E-Learning"	2	18/05/2020	30/05/2020	12
Online Refresher Course on Stars and Stellar System	1	15/10/2019	15/02/2020	120
Refresher Course in Zoology	1	10/10/2019	23/10/2019	14
Online Refresher Course in Chemistry for Higher Edu.	4	01/09/2019	31/12/2019	120
Refresher course in Life Sciences	1	10/10/2019	23/10/2019	14
Refresher course in Life Sciences	1	01/07/2020	14/07/2020	14
Faculty Development Program on MANAGING ONLINE CLASSES and CO-CREATING MOOCS	8	20/04/2020	06/05/2020	15
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
3	Nill	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Loan from DBSC credit Cooperative Society, GSLI, Mediclaim facility	Advance loan facility, Loan from DBSC credit Cooperative Society, GSLI, Mediclaim facility	Relaxation from fees to very needy student, Student Aid Fund (SAF) for needy students from University, Mentoring system

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Institution has a strong and robust internal audit and statutory audit carried out annually. Audit are managed by qualified and experienced CA firms. Two separate firms are involved for internal audit and statutory audit firm respectively. Internal auditor is concurrent activity across all the function of finance and reporting to management. Statutory auditor is conducted on financial year basis.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
University Grants Commission, New Delhi	1500000	Mentoring the Non Accredited Institutions for A and A by NAAC.

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	LEC	Yes	IQAC
Administrative	Yes	LEC	Yes	Departmental

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

Nee based consultation with parents for wards performance under mentor-mentee programme.

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

1. Training to the non teaching staff for ERP, library software KOHA, Scholarship Portal 2. Training on e-governance 3. Departmental orientation programme on laboratory caring and maintenance.

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

1. Strengthening online course delivery through digital platforms 2. Collection and analysis of Students Satisfaction Survey 3. Cash less transaction by the students with college.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes

b)Participation in NIRF	**Yes**
c)ISO certification	**No**
d)NBA or any other quality audit	**Yes**

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	**Orientation Programme for Principal of CG state Higher Education Department**	**12/12/2019**	**12/12/2019**	**12/12/2019**	**27**
2020	**Workshop on A A process of NAAC for non accredited colleges**	**15/05/2020**	**15/05/2020**	**15/05/2020**	**1100**
2020	**Training to staff for e-content development and digital virtual teaching**	**Nill**	**Nill**	**Nill**	**29**
2019	**Professional Training progrnmme for Library staff : KOHA**	**Nill**	**Nill**	**Nill**	**8**
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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 Participants	
			Female	Male
Wellness Programme	**10/08/2019**	**10/08/2019**	**140**	**60**
3days Workshop on self defense, Physical training, Goal Setting,	**15/01/2020**	**17/01/2020**	**200**	**100**

Leadership, Health and Nutrition					
Celebration of Getting to Equal : International Women' Day	07/03/2020	07/03/2020	110	76	
One day Workshop on Protection of Children from Sexual offence Act (POCSOA) 2012.	09/03/2020	09/03/2020	75	50	

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
At present the street lamps are solar powered and the process of making the institution to use photo-voltaic power is under consideration. The process of energy audit and green audit are in process.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Rest Rooms	Yes	2
Any other similar facility	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	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	16/07/2019	1	Tree Plantation	Environment	148
2019	1	1	22/09/2019	1	Rally on Traffic Rule Awareness	Traffic Rules Violation	150
2019	1	1	26/09/2019	1	Voter Awareness Campaign	Voting Awareness	130
2019	1	1	12/01/2020	1	Rally on Antitobacco	Health Hazards due to Tobacco	150
2019	1	1	25/01/2020	1	Blood Donation	Blood Donation	24

2019	1	1	15/09/2019	21	Camp			200
					Swachata Sewa Campaign	Swachata Abhiyan		

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Institutional Code of Conduct for Students	10/07/2019	Principal, Faculties Non-Teaching Staff kept vigil on students whether they were following the code meant for them regularly and carefully. Moreover, the Discipline Committee constituted for students took reviews everyday by taking rounds every nook and corner of the college.
Institutional Code of Conduct for Teachers	10/07/2019	The committee constituted for the supervision of teachers consisting of management, principal and some senior teachers looked after the issues.
Institutional Code of Conduct for Non - teaching staff	10/07/2019	The committee constituted for the supervision of non-non-teaching staff consisting of management, principal and some senior teachers looked after the issues.
Institutional Code of Conduct for Principal	10/07/2019	The management having its office inside the premises of the college had continuous supervision on principals action and conduct.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
GANDHI JAYANTI PROGRAMME 150TH BIRTH ANNIVERSARY CELEBRATION	02/10/2019	02/10/2019	195
Dr. Babasaheb Ambedkar Mahaparinirvan Din (6th December)	06/12/2019	06/12/2019	78
Yoga Day	21/06/2019	21/06/2019	55

Celebration of Independence Day	15/08/2019	15/08/2019	370
Celebration of Republic Day	26/01/2020	26/01/2020	415
Sanvidhan Day	26/11/2019	26/11/2019	815
International Mother Language Day	20/02/2020	26/02/2020	184

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

1. Solid Waste, Liquid Waste, Hazardous Lab Waste e-waste Management 2. Rain water harvesting 3. Restricted entry of automobiles 4. Plastic free campus 5. Tree Plantation

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice -1 1. Title of the Practice- On Field Teaching 2. Objectives of the Practice: Following are the objectives of On Field Teaching 1. To provide first hand real world experiences of Nature and plants. 2. To develop observation and perception skill of student. 3. To create interest amongst student and add relevance to subject . 3. The Context Teaching and learning experiences that take place outside classroom walls (On Field) have a range of benefits for both students and teachers. Learning experiences outside the classroom are forms of experiential learning. These experiences are rooted in the simple principle that 'experience is the best teacher'. Under this framework, learning outside of the classroom is an active process, wherein students encounter authentic problems, construct novel hypotheses, test for real solutions, and interact with others to make sense of the world around them. Further, students that engage in learning experiences outside of the classroom report having higher levels of motivation, recall the course material more vividly, and have improved academic performance in the class. Moreover, field experiences early in a student's career can be formative and can inspire students to continue in a field. 4. The Practice Field trips are a common component of subject Botany. University has made it compulsory in the curriculum for all the semesters of Undergraduate and Post Graduate course. In the college classroom, field trips (On field Teaching) can be an effective tool that satisfies many of the above goals and objectives. In Plant Sciences, there are many subjects like morphology, Taxonomy, ecology, biodiversity and many others which can not be taught unless students not able to visualize the organism. Every year Department of Botany, organize separate field Trips for undergraduate and Post Graduate students, semester wise. For this first of all, a place to be visited and planning is decided. Then it is notified to the students of particular semester. All the permissions from Higher Authorities and Government Departments have to be taken as per requirement wherever needed. Then depending upon the number of students vehicle has to be arranged. During field visit students has to make familiarize with the flora and ecology of the region. Also to acquaint them with the importance of wetlands and the threats these ecosystems face due to natural and anthropogenic pressures. As a part of their curriculum, Students collect soil samples for analysis, similarly they collect plants for herbarium preparation. Students were made familiarize with pollution mechanism, fruit dispersal mechanism, patterns of bark maturation. The field trips successfully inculcate in students the practicality of different theoretical concepts of Botany. Every year Botany Department take our students to Institute of National repute like Central Institute of Cotton Research (CICR-ICAR institute), National Research Centre for Citrus (NRCC- an

ICAR institute). These institutes focused towards development of methods for sustainable crop cultivation of mandate crops and the problems encountered to the farmers around area. Our students learned about many things like Plant Tissue Culture, Plant Biotechnology and Plant Pathological aspects in National level Laboratories. 5. Evidence of Success Since we have implemented this method of teaching more and more students are joining higher education in Botany. Students are getting good result in the subject, and overall in the course. Students are becoming more environments cautious. 6. Problems Encountered and Resources Required Sometimes there are some problems we face like Budget restraints, difficulty controlling student behavior, health issue of some students and dealing with anxious student. Establishing rules, soliciting support and proper planning can alleviate many of the disadvantages of On field Teaching. Best Practice - 2 1)Title of the Practice: Period monitoring system for effective curriculum delivery . 2) Goal of the Practice • To provide all stakeholders with early detailed information on the progress or delay of the ongoing lectures • To determine if the outputs, deliveries and schedules planned have been reached so that action can be taken to correct the deficiencies as quickly as possible. Good planning, combined with effective monitoring can play a major role in enhancing the effectiveness of development programs and projects. Good planning helps focus on the results that matter, while monitoring help us learn from past successes and challenges 3) The Context and the Practice A) Daily Report B)Monthly Report The College expects all its student population to attend their respective timetabled classes. For the purposes of this policy, classes include lectures, tutorials, seminars, workshops and critiques. The College recognises the value of engagement monitoring to help identify students who may be in danger of leaving their course of study. Through early identification of such students, the College has the opportunity to proactively offer assistance and guidance to encourage progression and to avoid potential discontinuation. For the purpose of this document, engagement monitoring means not only assessing the attendance of a student across their respective classes, but also their respective engagement with College systems, which include but are not limited to - Moodle, Library access etc . • Due to the broader benefits of engagement monitoring and to ensure equality of treatment, the engagement of all students, regardless of immigration status or level of study, is monitored through the same mechanism, as described in this policy. This policy therefore applies equally to all students unless specifically stated otherwise. C) Checking Completed Work: • Students submit hard copies of every program as programs are finished • The hardcopies of the daily smaller programming assignments are checked for correctness and submission credit • Students receive a quiz grade per unit (or per section in longer units) based upon the number of daily programs submitted correctly 4) Evidence of Success: Facilities: (Teacher Wise/Department Wise/ College Wise) ? Daily Reports ? Monthly Reports ? Yearly Reports ? Engage Report ? Teaching Days Date Selection and Date entry form for class Taken/Not Taken Reports generation screen shots for Day Basis for teacher wise and College wise Reports generation screen shots for Day wise Summery and Monthly report for teacher wise Reports generation screen shots for monthly departmental report and college wise report Reports generation screen shots for yearly departmental and yearly summery report Reports generation screen shots for yearly teacher wise report Calculation of bills for taken periods Data Entry for time table time slots Data entry for Teacher names 5) Resources Required: Secretarial Assistance and Computer with peripherals

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.dbscience.org/wp-content/uploads/2021/05/Best_Practice__2019-20.pdf

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

Dhote Bandhu Science College, Gondia is empowering students who come from rural and urban areas. The college provides quality education to the students to make them academically and globally competent. The Gondia District is marred with the problem unemployment among educated youth. Therefore, as it is mentioned in the vision statement,college is committed to increase employability of students, This commitment is made possible by conducting skill development courses. The establishment of these programs by the college was a much needed initiative to equip the students for their future and to pursue the required skills for immediate employment. A couple of important initiatives taken at the institution towards skill-based education were: The establishment of the Diploma in Dairy Product Processing and employment-oriented skill development program (Bachelor of Vocation) approved by UGC and Maharashtra Govt. The college is one of the few institutions in the district offering employment-oriented skill development program (Bachelor of Vocation). The Diploma in Dairy Product Processingis an intensive one-year Diploma Course. This course also assists the successful students in getting placements. The curriculum for the course has been designed and approved by the RTMNU, Nagpur.For this course MOUs have been signed with industries where students avail mandatory hands-on training. On completion of the course, the Certificates are given to successful students which provide a springboard for self-employment and jobs in related industries. The Bachelor of vocation provides an intensive three – years Degree Course in the subjects Food Processing and Engineering Soft Ware Development.The curriculum for the course has been designed and approved by the RTMNU, Nagpur. This skill enhancement course involves industry experts visiting the campus, interacting with students, guiding mentoring them to develop their skills.MOUs have been signed with industries where final year students avail mandatory hands-on training (Internship). Due to training students acquire skills required for industry. During the course, interactions with industry experts are often facilitated with intent to keep the students informed and updated. Entrepreneurship awareness programs are also organized to infuse the zeal of entrepreneur ship in students during the course of study. Industrial visits and educational tours are conducted in order to sensitize students about the practical challenges that industries faces on an operational basis. To increase employability of students recruitment training is also conducted for students.On completion of the course, the degrees are given to successful students. These job driven courses assists the successful students in getting placements and self-employment.

Provide the weblink of the institution
https://www.dbscience.org/wp-content/uploads/2021/05/Institutinal_dinstinctness_.pdf

8.Future Plans of Actions for Next Academic Year

DBSC envisions to be transformed into a college of global standards imparting science education through skilled manpower to make a significant contribution to the nation building not only by catering to the needs of the society but also by creating a research oriented intellectual domain that initiates, nourishes and spreads values of humanity, and focuses on conscious co-existence achievement of excellence. Thus, College believes in creating new frontiers of knowledge with the following future plan of action for the next academic session to reach the target - • Diversion of academic flexibility into more goal orientation such as ICT teaching and learning from the bottom level. • Implementation of e-governance in all the administrative academic section. • Usage of e-Resources in all the academic departments. • To enhance the e-content development facility by teachers. • To strengthen the staff development facilities by organizing regular

training programs and capacity building workshops for both teaching non-teaching staff members. • Teachers are to be encouraged to follow e-learning facilities and to make the students familiar with online teaching and learning. • Students are to be motivated to use mobile apps, LMS Porgrammes etc. • Implementation of online attendance mechanism both for students faculty members. • More number of student support programmes and initiatives to be introduced. • Academic calendar and proper actions to be implemented in such a level to yield more output to the current structure of academic flexibility. • Promoting International collaboration for Academic Interaction and Research Resource Exchange. • More employability programmes to make the students to adjust with the present era for getting good employment records. Only the classroom teachings are not enough to enhance their standard for future development. College plans to motivate the students for various competitive examination in a better way. • More number of Personality Development programmes for students to promote their confidence, enthusiasm, communication skills, leadership qualities, goal orientation, focus and all round development. • To upgrade the examination internal evaluation system of college through regular online – MCQ's exam pattern, Mock Test. • To introduce increase various Health Care Programs. • To increase the number of MoUs by each academic department for student and faculty exchange. • To ensure a plastic free, Junk food free Tobacco free campus make the campus eco-friendly. • To enhance upgrade the resources of Laboratory facilities. • Implementation of better Laboratory Safety Guidelines in all the laboratories. • More environment based and favorable activities to be conducted in the campus to provide valuable knowledge to the students on environmental awareness and attitude. • DBSC plans to evolve its strategic plan to generate alternatives energy sources in a better way. In alignment with the vision and mission statements of DBSC, we believe that true learning is never confined to a classroom. We strive to make students reach out to society with a sense of selfless service and the institution greatly encourages them through various programmes.