



Yearly Status Report - 2018-2019

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.	07182242567
Mobile no.	9423412712
Registered Email	principal@dbscience.org
Alternate Email	anjannaidu8@gmail.com
Address	Ramnagar, Tirora Road,
City/Town	GONDIA
State/UT	Maharashtra
Pincode	441614

2. Institutional Status

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. D. S. Choudhary
Phone no/Alternate Phone no.	07182252423
Mobile no.	9423414117
Registered Email	dschoudhary@dbscience.org
Alternate Email	dsc_2847@rediffmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.dbscience.org/wp-content/uploads/2019/09/AQAR-2017-18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	http://www.dbscience.org/wp-content/uploads/2019/09/Academic-calender-2018-19.docx

5. Accreditation Details

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

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

International Conference on	26-Nov-2018 2	110
Training Workshop On Self-Defense For Girl Students	26-Nov-2018 4	354
Awareness Prog. On Entrepreneurship Development by MGIRI	19-Jan-2019 1	150
Faculty Development Program on entrepreneurship under NEDCs entrepreneurship Development	18-Mar-2019 3	45
Felicitation of meritorious students (Summer 2018 examination) during College Annual Cultural and Sports Meet	27-Jan-2019 3	1300
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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	College with Potential for Excellence	UGC	2016 1825	1500000
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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 :

4

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)

- International Conference on 'Women Empowerment and Leadership • Training Workshop On SelfDefense For Girl Students - A Step towards Women Empowerment" Under CPE, Scheme of UGC • Felicitation of meritorious students (Summer 2018 examination) during College Annual Cultural and Sports Meet • Faculty Development Program on entrepreneurship under NEDCs entrepreneurship Development • Faculty Development Programme on Entrepreneurship

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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
Introduction of certificate/diploma programmes and Add on courses as well as value added courses	Introduced and initiated.
To optimize students enrollment in certificate, diploma and or add on courses To enhance the students involvement in field projects/internships as per curricula	Students optimally registered for different courses.
To organize International conference on cross cutting issues like gender, empowerment, leadership etc.	Organised.
To organize defense training for girls	Training conducted.
To analyze the feedback taken and action taken report	Feedback taken, analysed and action taken.
Fulfillment of sanctioned faculty post.	partially filled.
Enrichment in use of ICT, LMS, e-resources	Enriched.
To Conduct workshops/seminars on Intellectual Property Rights (IPR and industry - Academia Innovative practices	to be conducted.
To Carry out extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc	Carried out.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
IQAC	25-Jun-2018

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	2019
Date of Submission	10-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Taking cognizance of the need of the hour, our college has installed a cloudbased 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, (i)PMS (Period Monitoring System) (ii) SES (Students' Evaluation System) (iii) Messaging system for stakeholders. Modules • 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. • 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</p>

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 wise attendance of the students is maintained in the software meant for it and the relevant messages are sent through the system. In case of staff, the entries of their incoming and outgoing are maintained and recorded on daily basis.

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 as to help all round development of the students and free them from all types of hurdles and continues to do so. The institute is affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. 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 the institution as 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(Rastrasant Tukdoji Maharaj Nagpur University) is followed by our institution. For the successful and timely implementation of curriculum.Timetable committee of the college prepares timetable after the discussion with head of the all 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. Regular classes -- theory and practical using ICT. As per time table prescribed in curriculum and classes are also monitored by period monitoring system. 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.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
C programming	Nil	25/09/2018	60	Focus on Cpp programming	Upgrade their programming skill
Cpp	Nil	25/09/2018	60	Focus on LINUX command Concept	Improved their technical skill
LINUX	Nil	25/09/2018	60	Focus on LINUX command Concept	Improved their technical skill
Advanced C	Nil	25/09/2018	60	Focus on advance C concept	Upgrade their programming skill
Introduction to Computer	Nil	25/09/2018	60	Focus on Basic Components of Computer	Improved their Technical Skill
PHP MySQL	Nil	25/09/2018	60	Focus on PHP MySQL Concepts	Enhanced their Programming skill
JAVA	Nil	25/09/2018	60	Focus on JAVA Programming Concepts	Progress on Development of programming.
Avogadro	Nil	25/09/2018	60	It is designed for crossplatform use in computational chemistry, bioinformatics, etc.	Upgrade their computational chemistry.
Libre Office Writer	Nil	25/09/2018	60	Basic computer usage skills like Word	Improved basic computer usage skills

Libre Office Calc	Nil	25/09/2018	60	processing using Writer. Basic computer usage skills like Spreadsheet using Calc.	Improved basic computer usage skills
Libre Office Impress	Nil	25/09/2018	60	Basic computer usage skills like Word Presentation using Impress.	Improved basic computer usage skills
EXPEYES	Nil	25/09/2018	60	ExpEYES stands for Experiments for Young Engineers and Scientists. It is used to perform basic Physics experiments.	Improved their Technical Skill

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	1534	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
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BVoc	Food Processing and Engineering	28
BVoc	Software Development	21
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	Yes
Alumni	Yes
Parents	No

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

Feedback Obtained
<p>FEEDBACK REPORT (201819) 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. 1. Students feedback and action taken report We have the provision of feedback from students on curriculum, programs, teaching and infrastructural facilities. In this regard, 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 201819 analyzed in tabular format and the analyzed feedback report was submitted to the chairperson (Principal). Report of action taken is given below. ACTION TAKEN AFTER FEEDBACK</p> <p>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 practicals. 2. Teachers Regularity and Punctuality They were properly informed by the chairperson regarding the matter and made themselves rectified and got punctual. 3. Teachers Communication Skill Teachers were found wellversed. 4. Usage of white interactive board Teacher's computer / IT skills Some faculty members did not use white interactive boards and IT skills. They were asked to used the gazettes and ICT as much as possible as per the requirement and demand of the subject as well as student. 5. Teachers 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 classroom and outside the classroom for their studies and careers. 8. Teacher interaction and guidance outside the class. Students expressed their satisfaction in this point and appreciated the clarification of doubts /difficulties given by teachers.They guide the students in all respects and also at personal level 9. Coverage of course before examination Satisfactory. 10. Teachers overall performance Satisfactory.</p>

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
BSc	Physics, Chem, Biotechnology, Bot, Zoo, Microbiology, Maths, Comp. Sci. Electronics	504	1750	504
BCA	BCA	120	118	118
BVoc	Food processing and Engineering, Software Development	100	11	11
MSc	Physics, Chemistry, Botany, Microbiology, Computer Science.	110	Nil	96
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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
2018	1571	196	31	10	10

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	Number of smart classrooms	E-resources and techniques used
31	31	225	8	2	7
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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 below for the implementation of mentor mentee system. • All teaching faculties are allotted certain number of students as mentee. • 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 providing learning

support for identified students: • Mentors help the mentees to improve their communication skills and qualities of leadership among them. • They also do regular counseling regarding their career, future prospects and opportunities. Students Mentoring systems was implemented in the institution where in 25 Students were mentored by one teacher who were counseling, guiding and making efforts to improve students' academic as well as nonacademic performance and subsequently parents were informed regarding the students progress. Efforts were made to use students' attendance tracking system effectively as the parents were informed timely.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1571	31	1:51

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	28	20	4	14

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
No Data Entered/Not Applicable !!!			
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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
BSc	B.Sc.	Semester VI Summer 2019	30/04/2019	28/06/2019
BCA	B.C.A.	Semester VI Summer 2019	30/04/2019	22/06/2019
BVoc	B.Voc.	Semester VI Summer 2019	30/04/2019	10/06/2019
BVoc	B.Voc.	Semester VI Summer 2019	30/04/2019	10/06/2019
MSc	M.Sc.	Semester VI Summer 2019	30/04/2019	20/06/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Establishment of Online Continuous Internal Evaluation (CIE) Assessment of students performance is an integral part of teaching and learning process. As a part of sound educational strategy, the institution adopts Centralized Continuous Internal Evaluation (CIE) System to assess all aspects of a students development on a continuous basis throughout the year. All the information about CIE is given to the students at the beginning of semester and report is displayed on the notice board. At the end of the term, University conducts

examination and evaluates the performance of the students. In a classroom situation, evaluation is confined to the performance of a student with respect to the course. To evaluate traits such as the depth of his knowledge, skills, application of principles to problem solving, creativity, ability to communicate and ability to face unknown situations etc., various instruments of evaluation are adopted. These are evaluated through tests, quizzes, home assignments, seminars, project reports etc. Whenever class tests, internal assessment tests are conducted the results of the students 'performance are used by the faculty to identify slow and advanced learners. Students are encouraged to improve their performance in future by counseling. The evaluation process should include • Continuous Internal Evaluation • Conduct of examination, • Evaluation of answer scripts • Measure Performance by marking. It is in this context that the evaluation practices were chosen and introduced.

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

The Institution adheres to the Academic Calendar for Conduct of CIE. 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 at par with the affiliating Rashtrasant Tukadoji Maharaj 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 institute follows diverse evaluation parameters for each course which are dependent on the student's participation in an activity and demonstrating the required skills. The academic calendar is communicated to the students by displaying it on college website, notice board, induction manual and Institute's prospectus. The institute has built in mechanisms to ensure syllabus completion and conduct of CIE within the time frame and accordingly the various measures are taken. Every department in the institute keeps an eye on the quality of the teaching learning by daily monitoring of teaching learning activities by the head of the department and respective class coordinator, continuous counseling through department meetings, students feedback on teaching learning activity, brain storming in the meetings for different teaching strategies in semester examinations having different modules, result analysis, the institute refers the academic calendar to adhere the planned curriculum and other activities. The Institute strongly trusts on in transparency in its functioning. The institute has a well defined standard operating procedure to develop the academic teaching plans and it follows a well defined academic calendar. The activity calendar shows the start and end of each semester stating various activities to be conducted, the internal evaluation schedule and the tentative schedule of external evaluation. Each Course and that respective teacher of it has his /her own pattern of Internal Examination like practical, group discussions, seminar, presentations, and projects etc. as per their teaching plans, each teacher takes a liberty to schedule their own Internal Subjects Concurrent Evaluation. 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 administrative, academic, co curricular and extracurricular activities. Remedial sessions are conducted on weekends and also on free time of students schedule. The Academic Committee balances the trade off between strict adherence to the Academic calendar and conduct of CIE.

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)

<https://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
B.Sc. Semester VI	BSc	Computer Science, Physics, Chemistry, Maths, Botany, Zoology, Microbiology, biotechnology	324	197	61
BCA Semester- VI	BCA	Computer Application	61	49	80
B.Voc Semester - VI	BVoc	Software Development	22	15	68
B.Voc Semester - VI	BVoc	Processing & Engineering	27	23	85
M.Sc. Semester - IV	MSC	Computer Science, Physics, Chemistry, Botany, Microbiology	93	54	58
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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/student-satisfaction-survey-on-teaching-learning-process/>

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
Total	0	0	0	0
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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
One Day Awareness workshop on Possibilities of entrepreneurship Developemnt based on MGIRI technologies.	BIO PROCESSING AND HERBAL DIVISION, M. G. I. R.I., WARDHA.	19/01/2019

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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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
Dhote Bandhu Science College	Nil

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)
National	Dhote Bandhu Science College	18	0.8
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
Dhote Bandhu Science College	10
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
Regression	A. K. Parmar M.	Internat ional	2019	1	D. B. Science	1

Analysis and Docking Study of Hydroxyl Quinoline Based Compounds as AntiTuberculosis Therapeutic Agents	R. Patle	Journal of Scientific Research in Biological Sciences			College, Gondia	
Seasonal Variations in Physico Chemical Characteristics of Chulband River Soundad, Gondia District, (M.S.) India.	Shahare P. C. and Cherian K. J.	International Journal for Researches in Biosciences, Agriculture Technology (I J R B A T), Vol. I., Issue (VI), (2530).	2018	1	D. B. Science College, Gondia	1
Influence of Al substitution on structural properties of wtype SrMg ferrites	D. S. Choudhary, A S Nagpure, V Singh	International Journal of Current Engineering And Scientific Research	2019	1	D. B. Science College, Gondia	1
Electrical and dielectric behavior of $Sr_{1-x}Cd_xMg_2Al_{0.4}Fe_{15.6}O_{27}$	A S Nagpure D. S. Choudhary	International Journal of basic science and applied research	2018	1	D. B. Science College, Gondia	1
An overview on structural and magnetic properties of certain substitutions in cobalt ferrite	A. M. Shahare, M. S. Bisen, A. V. Bagde, D. S. Choudhary	International journal of current engineering and scientific research (IJCESR)	2018	1	D. B. Science College, Gondia	1

"A study of DM Techniques in Soft Computing Framework"	R.K.Dhuware, Dr.S.R.Pande Dr .S.J.Sharma	International Journal of Advance Research(IJAR)	2018	1	D. B. Science College, Gondia	1
"Analysis of DM Techniques Towards CRM using WEKA tool"	R.K.Dhuware Dr.S.R .Pande	International Journal of Computer Engineering and Applications	2019	1	D. B. Science College, Gondia	1
"Study of use of classification Techniques in WSN Data Mining for Resource Optimization"	B.A.Parbat R.K.Dhuware	International Journal of Computer Science and Engineering	2019	1	D. B. Science College, Gondia	1
Histochemical Distribution of Acid Phosphatase in the tissues of Indian Major Carp, Labrohita (Ham)	G.P. Gadekar	Materials Today Proceedings	2018	1	D. B. Science College, Gondia	1
Prevalence of Pseudomonas sp. in urine samples of female students and their antidrug potential against some common antibiotics	Sneha S. Jaiswal and Pranita A. Gulhane	International Journal of Research and Analytical Reviews (IJRAR)	2018	1	D. B. Science College, Gondia	1
Microbiological analysis of Female fingernail	Sandhya D. Tambekar and Tiwari RR	International Journal of Research and	2018	1	D. B. Science College, Gondia	1

s collected from Gondia district of Maharashtra		Analytical Reviews (IJRAR)				
Detection of Enteropathogenic Bacteria Under Fingernails of Females in Gondia District of Maharashtra	Dr. Sandhya D. Tambekar	International Journal of Research and Analytical Reviews (IJRAR)	2018	1	D. B. Science College, Gondia	1
SOCIOECONOMIC STUDY AND TRADITIONAL USES OF BAMBOO IN GONDIA (MS), INDIA	Zode Ravindra1, Mahesh Kawale2, WalayTagade	Research Directions	2018	1	D. B. Science College, Gondia	1
ROLE OF WOMEN IN STORED GRAIN MANAGEMENT OF INSECT PESTS IN AND AROUND GONDIA CITY OF MAHARASHTRA.	DR. S. B. Juneja	International Journal of Research and Analytical Reviews	2018	1	D. B. Science College, Gondia	1
ELECTROPUN FLEXIBLE NOBLE METAL DOPED SNO2 /POLYANILINE NANOFIBERS FOR HIGHLY SENSITIVE AND SELECTIVE HYDROGEN GAS SENSOR	Anand M. More, Hemlata J. sharma, Subhash B. Kondawar, Sunil P. Dongre	International Journal of current Engineering and Scientific research	2019	1	D. B. Science College, Gondia	1

[View File](#)

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
No Data Entered/Not Applicable !!!						
View File						

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	6	10	1	2
Presented papers	6	9	Nill	Nill
Resource persons	Nill	1	Nill	Nill
View File				

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
Tree Plantation	Govt. Forest Department, Gondia	10	128
Independent Day Celebration	Royal Lions Club, Gondia (NGO)	6	40
Ethics and Moral Values	GayatriShaktipeeth, Gondia	2	79
AntiTobacco Awareness campaign	Royal Lions Club, Gondia (NGO)	4	125
EkRakhiJawano k Naam	Police Department, Gondia	2	44
Let's Decide Our Goal	Divine India Youth Association (DIYA)	2	135
Wild Life Week Celebration	Govt. Forest Department, Gondia	2	51
Fitness Checkup Camp	NSS Unit	2	75
National Youth Day	GayatriShaktipeeth, Gondia	2	60
Blood Donation Camp	Govt. Blood Donation Unit	2	75
Tree plantation and Swachhta	Gram panchyat Nagra dist. Gondia	Nill	36

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
Organizing the Agriculture Exhibition on 'Manoharbhai Patel Jayanti Diwas'	Special Thanks	Gondia Education Society Manoharbhai Patel Academy, Gondia	52
Agri Exhibition 2019	Appreciation Letter	Manoharbhai Patel Academy and Gondia Education Society	54
Organizing the Agriculture Exhibition on 'Manoharbhai Patel Jayanti Diwas'	Special Thanks	Gondia Education Society Manoharbhai Patel Academy, Gondia	56

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 activities	Number of students participated in such activities
fire and Evacuation Drill	District Disaster Management Authority, Gondia	Fire Extinguisher operation - Hands on Training	7	261
A Diabetic Screening Awareness Camp	Disha Foundation	To identify Diabetic Students and staff by checking Blood Sugar and Blood Pressure	8	150
Support Scheme to Needy Students	D. B. Science College, Gondia	Distributions of school based materials	2	43
Swachh Bharat Abhiyan	Govt. Department	Swachhta Pakhwada	3	110
Extension Activity on Mosquito Borne Diseases	Office of the District Malaria Officer, Gondia, GOM.	'Inhouse Training Workshop Community Awareness Program'	9	65
Global Handwashing Day	'Sahyog Polyclinic' of Sahyog Hospital	'Science Drama' role play on the	3	128

	run by Ramade Memorial Medicare and Research Institute , LLP , Gondia	occasion of Global Handwashing Day		
Training workshop and Soil Testing Campaign	Registered Soil Testing Laboratory at Karanja, Department of Agriculture, Government of Maharashtra	Training workshop and Soil Testing Campaign	4	39
Save Water Save Life	Maharashtra JeevanPradhikaran Gondia	Water Treatment Save Water Save Life	5	80
"Save Safety : Electricity"	O/O Electrical Inspector, Industries,EnergyLabour Department, Gondia. Govt. of Maharashtra.	Awareness programme on "Save Safety : Electricity"	5	100
Gender Issue	MALSA, MaharashtraRajyavidhi SewaPradhikaran , Mumbai.	Legal Awareness Programme	3	178
Antifemale feticide	D. B. Science College, Gondia	Awareness Rally and Door to Door campaign on "Save Girl Child"	1	46
Health Awareness	Z.P. Bhartiya Vidyalaya and Junior College, Ekodi, Dist Gondia	Junk Food Awareness Program	2	24
IT Awareness	Ramnagar Municipal Highschool, Gondia	Online Submission Form Hands on Training	2	21
AIDS awareness	D. B. Science College Gondia	AIDS awareness Poster Competition Slogan competition Awareness Rally	6	43
Swachh Bharat	Maharashtra Government	Swachh Bharat	2	76

Digital India	D. B. Science College Gondia	Digital India	6	42
ELiteracy Club	D. B. Science College Gondia	ELiteracy Club	3	35
Heartfullness Meditation	Heartfullness Meditation Centre	Workshop on Heartfullness Meditation on the occasion of International Womens Day	12	100
Training Programme	Assistant Commissioner of Social Welfare Gondia	Training Programme on MahaDBT Portal Govt Of Maharashtra	2	Nill
Pulse Polio Scheme under national Health Mission	KTS Hospital Gondia, govt. of Maharashtra	Pulse Polio Scheme	2	30

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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
0	0	000	0

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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
Awareness Programs	MoU on conduction of Community Awareness Programs on 'Vector Borne Diseases'	District Malaria Office, Gondia, GOM	06/03/2018	06/03/2019	65
Training Workshop	MoU on On conduction of Extension Activity on Soil Testing (Training Workshop Soil Testing Campaign	Registered Soil Testing Laboratory, Department of Agriculture, Government of Maharashtra	14/03/2018	14/03/2019	39

Industry Visit	Industrial Visit Internship	M/S Bhanu Farms Ltd., Jabalpur, M. P.	09/03/2019	10/03/2019	29
Industrial Training	Industrial Visit Field Trip	Jabalpur Sahakari Milk Sangh Limited, Jabalpur, M. P.	01/01/2019	30/03/2019	7
Industry Visit	Industrial Visit Field Trip	M/S Dairy plant Chindwaratha, M. P.	08/03/2019	08/03/2019	29
Industry Visit	Industrial Visit Field Trip	ITNetworkZ Infosystems Pvt. Ltd. Nagpur	06/10/2018	06/10/2018	56
Industry Visit	Industrial Visit Field Trip	TIU Consulting, Professor Colony, Tirora Road, Gondia	16/03/2019	16/03/2019	32
Industry Visit	Industrial Visit Internship	Janta Dairy Products, Lakhani, Tah - Lakhani, Dist Bhandara	15/10/2018	15/10/2018	47
Industrial Training	Industrial Visit Internship	G. V. Beverages Pvt. Ltd., Savari, Th Tirora, Dist Gondia	10/02/2019	10/02/2019	4
Industrial Training	Industrial Visit Internship	SSIT Pvt. Ltd., Trimurti Nagar, Nagpur	11/02/2019	30/03/2019	5
Industrial Training	Industrial Visit Internship	SSIT Pvt. Ltd., Trimurti Nagar, Nagpur	02/01/2019	02/04/2019	6
Industrial Training	Industrial Visit Internship	Codeosity 14/1 , IT Park, South Ambazari Road, Nagpur	16/01/2019	01/04/2019	100

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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
Center for Bee Keeping Development, Wardha	23/08/2018	1. Lecture series 2. Short Training Programme	68
Registered Soil Testing Laboratory at Karanja, Department of Agriculture, Government of Maharashtra	14/03/2019	Training program on soil testing for faculty and students Cooperate in organizing awareness programmes	43
Shriram Cooperative Milk Limited, Tah - Shrirampur, Dist - Ahmednagar (MH)	02/01/2019	Industrial Visit, Field Trip, Students Internship	12
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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
7000000	6326683

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Laboratories	Existing
Classrooms with LCD facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
No file uploaded.	

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	Partially	1.1.2	2018

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total

Text Books	46533	5761700	1108	1920959	47641	7682659
Journals	25	59850	Nil	Nil	25	59850
CD & Video	1260	Nil	Nil	Nil	1260	Nil
Others(s pecify)	47	28090	1	928	48	29018
Library Automation	1	Nil	2	132160	3	132160

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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
No Data Entered/Not Applicable !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidth (MBPS/ GBPS)	Others
Existin g	153	63	153	12	40	17	22	10	0
Added	23	16	0	0	0	2	5	0	0
Total	176	79	153	12	40	19	27	10	0

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

2 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
Nil	Nil

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 incurred on maintenance of physical facilities
2000000	1717742	1500000	1414823

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)

Following procedure have been adopted for maintaining, upgrading and

utilizing Infrastructure and resources available in the college. Physical Facilities: (Laboratory, classroom etc) Though the college has one of the finest infrastructures, timely upgrading and reconstruction are made to improve its utilization. Steps: 1. Recommendation are considered for infrastructural change by Local Advisory Committee(LAC), Management Body of the college, Alumni Association, and different stakeholders of the college. 2. Approval for fund utilization from the college management. 3. Initialization of infrastructural development. Academics: 1. All faculties are encouraged to participate in various academic bodies of R.T.M. Nagpur University and different Board of Studies for syllabus upgrading. 2. Many faculties are the authors for different publications who have written books for U.G. students of R.T.M. Nagpur University. 3. Smart learning(ICT based Teaching, Virtual Labs, Simulation based Practicals) is initiated by college faculties for better understanding of subject matter. 4. Faculties update their knowledge by participating Refresher Courses, Orientation Courses, Conferences and Seminars. 5. High speed internet and wifi is made available in the college. Library: 1. Recommendations for subject related books are accepted from faculties and students. 2. Number of books on variety of topics are made available in the college including textbooks, magazines, research papers, reference books, periodicals and ebooks. 3. Study materials for different Competitive Exams are made available in the college. 4. Automatization of library is made for easy access to the books through Library software. 5. Book fair has been organized off and on to spread reading habit among the students. Sport Complex: 1. New gymnasium has been constructed for the students. 2. New Sports instruments and sports kits are regularly purchased and made available to the students for their practice. Computers: 1. College regularly purchase new systems with upgraded software. 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 in the college.

<http://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	0	0	0
Financial Support from Other Sources			
a) National	Govt. of India (GOI) Free ship Economically Backward Concession (EBC)	1123	7306656
b) International	00	Nil	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 implementation	Number of students enrolled	Agencies involved
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Personal Counselling (Zoology Dept)	25/09/2018	37	Through mentoring at Institutional level
Personal Counselling (Botany Dept)	10/09/2018	7	Through mentoring at Institutional level
Personal Counselling (Microbiology Dept)	16/03/2019	11	Through mentoring at Institutional level
Personal Counselling (Chemistry Dept)	07/09/2018	8	Through mentoring at Institutional level
Personal Counselling (Mathematics Dept)	22/03/2019	9	Through mentoring at Institutional level
Personal Counselling (Physics Dept)	09/10/2018	7	Through mentoring at Institutional level
Remedial Coaching	18/09/2018	782	Through mentoring at Institutional level
Bridge Course	28/08/2018	74	Through mentoring at Institutional level
Yoga and Mediation	21/06/2018	200	Through mentoring at Institutional level
Guidance for Competition Examination	04/01/2019	250	Zilla Parishad Gondia
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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 passed in the comp. exam	Number of students placed
2018	Career Counselling	4	4	4	4
2018	Career Counselling	Nil	124	3	3
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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
Nil	Nil	Nil

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 students placed	Name of organizations visited	Number of students participated	Number of students placed
NIL	Nil	Nil	IKS Health Pvt. Ltd., Mumbai GHS Group of Company, Raipur (CG) UNIJULES Life Science Ltd., Kalmeshwar (Nagpur) TCS Smart Hiring Syntel WIPRO Hemmo Pharmaceutical Pvt.Ltd., Mumbai Multi Organic Pvt. Ltd., Chandrapur	41	11
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2019	6	B.Sc	D.B. Science College, Gondia	North Maharashtra University, Jalgaon Ramdeo Bada College of engineering, Nagpur Kamla Nehru College, Nagpur	MCA
2019	3	B.Sc.	D.B. Science College, Gondia	Dr Ambedkar College, Nagpur	MCA/MBA
2019	2	B.Sc.	D.B. Science College, Gondia	Dr Ambedkar College, Nagpur	M.Sc (Microbiology)
2019	17	B.Sc.	D.B. Science	PGTD, Nagpur	M.Sc (Ele, Phy, Maths,

			College, Gondia	University, Nagpur	Che, Microbi ology, Botany, Zoology)
2019	17	B.Sc.	D.B. Science College, Gondia	D.B. Science College, Gondia	M.Sc (Phy, Microbiology , Botany)
2019	1	B.Sc.	D.B. Science College, Gondia	Hislop College, Nagpur	M.Sc (Zoology)
2019	1	B.Sc.	D.B. Science College, Gondia	ITM University , Raipur	MBA
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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	3
Any Other	3
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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
Games and Sports	Intracollegiate Level	2841
Cultural events	Intracollegeiate Level	820
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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	0	National	Nill	Nill	00	0
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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)

Practice 1: Lectures Monitoring Practice 2 : Maintenance and Updating 1. We have initiated a new method of monitoring lectures and Practical sessions of all the faculties around the year. First of all, a nonteaching employee has been engaged for the purpose of keeping an eye on the lectures and practicals taken in time as per the prescribed timetable by the respective faculties daily. Day wise committees for seven days have been constituted in the beginning of the session for the overall supervision and at the time of constituting the daywise committees, the factors like all the faculties and their departments and the involvement of all the faculties are taken into consideration. Apart from regular engagement of lectures and practicals, the discipline, orderly arrangement of infrastructure, arrangement of sitting, attendance of students and other relevant factors are carefully looked after. Many a time, the Principal and the Management assist in the process which makes the practice an accomplished one. 2. The staff and students of the college have established their acquaintanceship with ICT. We have cloudbased ERP, 'KOHA' in the library and a host of inhouse software along with a number of ICT based classrooms. To manage the maintenance and updating of such a vast thing consisting of intricate technicalities is obviously a difficult task but we have made it easy and smooth going through our practice of decentralization and participative management. Apart from the gadgets and software being handled by the relevant employees and students, all the members of teaching and non teaching staff are inclusively involved in the process. It becomes a wellformed practice in which innumerable responsibilities are evenly distributed and shouldered by all the members of the staff.

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
Admission of Students	<p>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 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 102 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. For PG courses (M.Sc. courses) The admission is 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. For Research program ? PhD students are admitted on the basis of an oral test conducted by the concerned department. ? Every research department has a departmental admission committee to supervise the process of admission into research courses. ? The lists of applied, interviewed and selected candidates are recommended to the University for registration of Ph.D. programme. 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. For Add on Courses under Career Oriented Program of UGC ? Admission is based on the guidelines of The UGC Community College.</p>
Curriculum Development	<p>The following flow chart gives the strategic representation of the curriculum development process, ? Expert committee is constituted for the purpose. ? The committee members develop the curriculum taking into account the aim and objectives of the course. ? The course was approved by the BOS and academic council of the affiliating university. ? The following</p>

are the courses for which the department concerned has designed and developed the curriculum based on need assessment.

Teaching and Learning

Following strategies are adopted: ?
 Bridge Course Before the actual syllabus begins, a special Orientationcum participation program is held every year to fill the knowledge gap of students and to introduce them to the various facilities and rules and regulations of the college. ?
 Orientation program is conducted for newly enrolled students, to make them aware about procedure related to university examination, scholarship and different mechanisms of college and university administration. ?
 Introductory Lectures are conducted by the college teachers to explain basic concepts of their subjects so that the students can recall and relate it to their previous subject knowledge. ?
 Extra coaching classes for late admitted students, Guest lecturers ?
 Mentoring system (for monitoring of student's progress) ? Moreover, we organize number field visits, excursion tours, industrial visits, skill development programmes and special counselling and lecture sessions for effective delivery of course curriculum. The hands on training, Personality development programme, Campus recruitment training are the regular activities conducted to cope up with the demand. ? Online resources - NPTEL, NKN, INFLIBNET, NMEICT, Circuit Maker, Labview, etc. ? Online Tools SPONTANEIA, DLP system, PHET simulations, Chemoffice, eHerbarium, etc.

Examination and Evaluation

Other than university examination (semesterwise), 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 approved

for Ph.D. work. 10 University recognized research guides and 13 Ph.D. students are currently undertaking their research work. Faculty conduct basic and interdisciplinary as well interinstitutional research work and the outcomes are visible through substantial number of publications in various peer reviewed journals. Number of equipmentare added to strengthen the research.

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. College governing body provides hostel facility for Girls. 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 has more than 46000 books. Additionally, 97,000 ebooks, 6000 ejournals, 115 journals and magazines, CDs/DVDs, edatabases on books, notes, power points hosted by staff for exchange with students, large collection of books on Competitive Examination and fully automated library with Internet and Reprographic facility. 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 available.
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. ? Training is arranged for teaching as well as nonteaching staff.
Industry Interaction / Collaboration	To bridge the gap between theory and practice, IndustryInteraction cell has been established by the college as a part of quality improvement strategy. Some of the initiatives in this direction are: ? Regular interactive sessions with industry/experts for understanding industry needs. ? Face to face / Panel discussions between the students, teachers and industry experts to know the current scenario and recent developments in particular industries (especially for computer science and life sciences). ? OnSite 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.

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

E-governace area	Details
Administration	The best governance practices are as under – ? Complete ERP ? Decentralization of administrative work ? Academic audit of each department ? Monitoring of staff attendance
Finance and Accounts	Softwares : Tally, busy. Database : Masters software
Student Admission and Support	Online registration, Admission , fees, Pay roll, Scholarship. attendance. period monitoring System, feed back
Examination	Monthly students attendance record through SMS alert, Evaluation online, record keeping etc.

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
2018	NIL	00	0	Nill
No file uploaded.				

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	Faculty Developeme nt Programme on Entrepr eneurship	Faculty Developeme nt Programme on Entrepr eneurship	18/03/2019	20/03/2019	28	15
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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
Refresher Course	3	15/10/2018	03/11/2018	18
ARPIT Annual Refresher Course	5	01/11/2018	28/02/2019	120
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
4	3	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Loan from DBSC credit Cooperative Society.	Advance loan facility, loan from DBSC credit Cooperative Society	Relaxation from fees to very needy student

6.4 – Financial Management and Resource Mobilization

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

External audit has been performed for every financial year.

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
00	0	0
No file uploaded.		

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	IQAC

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

Nil

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

1. Training to the non teaching staff for maintenance of laboratory equipment 2. Capacity building programme on e Governance. 3. Training to non teaching for scholarship portal handling.

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

1. Initialization of Skill based / value added Courses 2. Library Automation 3. Mentor Mentee Programme

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	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	International Conference on 'Women Empowerment and Leadership	25/06/2018	26/11/2018	28/11/2018	110
2018	Training Workshop On Self Defense For Girl	25/06/2018	26/11/2018	30/11/2018	354

	Students - A Step towards Women Empowerment" Under CPE, Scheme of UGC				
2018	Awareness Prog. On Entrepreneurship Development by MGIRI	16/11/2018	19/01/2019	19/01/2019	150
2018	Faculty Development Programme on Entrepreneurship	16/11/2018	18/03/2019	20/03/2019	45
2019	Felicitation of meritorious students (Summer 2018 examination) during College Annual Cultural and Sports Meet	16/11/2018	27/01/2019	30/01/2019	1300
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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
Legal Awareness Programme	27/07/2018	27/07/2018	139	39
Awareness Prog. On Entrepreneurship Development	19/01/2019	19/01/2019	229	108
Self Defence Training Workshop for Girls	26/11/2018	29/11/2018	693	Nil
Balance for Better	08/08/2018	08/08/2018	12	3

Poster making on Women Empowerment	03/08/2018	03/08/2018	8	5
Guest lecture on Polycystic Ovarian Quality of Health Measurement in women.	03/07/2018	03/07/2018	71	Nill
Legal Literacy Programme	03/08/2018	03/08/2018	25	5
Seminar on the Most powerful and famous women of India	03/08/2018	03/08/2018	15	10
Slogan and Drawing Competition on International WomensDay	03/08/2018	03/08/2018	10	2

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
<p>1) AIR EMISSIONS AND NOISE LEVELS The college has installed noise free generators for power backup. No other point source of emissions like boiler, furnace etc. to run on fossil fuels, have been provided. So, the college does not generate Air Noise Pollution. 2) LAND The land for college is designated for Educational activities. No additional burden on land has been created which may adversely affect land use pattern in the area. No natural drain is being obstructed. The college land does not interfere with any forest, wetland, river, lake, mountain etc. 3) TRAFFIC DENSITY The students are allowed to keep their own vehicles in the parking area in the college campus. The layout has been planned to provide adequate space for parking within the compound. 4) ECOLOGY BIODIVERSITY Some trees are planted on the college Campus. Apart from these 'Tree Plantation' is carried over every year in the Campus in the month of July/August. 5) SOCIOECONOMIC The college is working on positive note for the benefit of the society at large. It not only provides employment to local people but it provides better quality of education, improved infrastructure facilities, environment friendly campus. A change has been observed in social behavior of nearby areas due to activities like rainwater harvesting, recycling of sewage, use of solar lights etc. Provision of clean environment with proper handling of wastes like sewage and solid wastes 6) SOLID WASTE TREATMENT The solid waste generated from the college is effectively recycled within the project. The solid waste generated in the Institutes will be mostly waste papers, answer sheets and domestic waste like kitchen waste. 7) Roof Top Rain Water: A roof top rain water is percolated to ground and is used for ground water recharge.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Rest Rooms	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	5	14/03/2019	2	Skill Development Programme on Soil Health: Training workshop and Soil Testing Campaign.	Soil Health and training	43
2018	1	1	30/07/2018	1	Field Visit To Lac Culture Farm, Savri	Lac culture development	94
2019	1	1	20/02/2019	1	Visit to Ruchi Biotech, Raipur, DistGondia	Farming	39
2019	1	1	20/02/2019	1	Visit to nearby forest area - study of plants diversity of area.	Plants diversity	38

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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)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga	21/06/2018	21/06/2018	72
Celebration of Independence Day	15/08/2018	15/08/2018	459
Celebration of Republic day	26/01/2019	26/01/2019	603
Sanvidhan day	26/11/2018	26/11/2018	936

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

1. Green lush lawn
2. Plastic free campus
3. Solar panels and lamps on the street
4. Minimal use of paper

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

PRACTICE 1: Vittiya Sakshyarta 1) Title of the Practice : Vittiya Sakshyarta 2) Goal of the Practice: a) To make the student aware regarding the digital payments, Apps available in the android phones, procedure of online payments, net banking etc. b) The trained students to visit some leading business setups in the market area of Gondia with their prior permission and to make their employees and customer aware regarding the importance and advantages of digital payments. 3) The underlying principles or concept: ? It was primarily an awareness drive by establishing a practice at the institutional level. ? Students for the purpose were randomly selected by taking their knowledge of ICT into consideration. ? It was obviously social outreach programme. ? It did not concede any pecuniary burden or rewards. 4) The practice: At the outset a 'UDDAN CLUB' formed comprising some teachers and students who were adept at ICT and android phones. They started spreading the knowledge and awareness on the use of digital transactions among the students and they were also asked the forward the thing to their friends, family members and relatives subsequently. To intensify the practice it was decided to extent it as social outreach programme. Some business establishments in the market area of Gondia were chosen with the permission and support of the owners. Members of the club had devoted two hrs day on Tuesday and Thursday of every week and the routine continued for three months. They made the employees as well as customers aware and trained regarding the practice of digital transaction. 5) Evidence of success The manager and owners of business organizations personally contacted to know whether there was rise in use of digital payments after the practice continued for 3 months. They provided us the reports of the received payments from the customers and it was found more than 30 rise in digital payment in comparison to the previous month. 6) Problem encountered and resources required: ? Some students did not use android phones. ? Some customers did not have android phone and they did not have other sources by which they could not avail the facility of the digital payments. ? Some customers are found very reluctant to accept the concept of digital transaction. Resource required ? Students and teachers as human resource, ? Android phones, apps like Google Pay, Phone Pay ,Paytm and various mobile apps developed by banks. ? Communication Skill and Team Spirit

PRACTICE 2 : Motivating the students and community stakeholders for healthcare options. 1. Title of the Practice: Motivating the Students and Community Stakeholders for Healthcare Options. 2. Goal : To educate students in areas of major diseases, healthcare options and hygiene including mobilization of community groups to better quality life. 3. Need Addressed and the Context: Students from the Microbiology Department are in an ideal position to work with communities to create awareness of healthy living. This practice helps the community and also helps students to enrich themselves by community service. 4. The Practice: Needbased community development programmes are planned through a dynamic process of communication between slum population,the staff and students of the institution. The following activities form a part of this practice: A. 'Inhouse Training Workshop Community Awareness Programme onmosquito borne diseases Two days Inhouse Training Workshop and Community Awareness Program on 'Mosquito Borne Diseases' was carried out in association with District Malaria Office (DMO), Gondia on 6th 7th March, 2019. This initiative is taken with an aim to spread awareness about malaria and filaria, the mosquito borne diseases among people living in slums. On first day, the Inhouse training workshop on 'Detection of Mosquito Borne Diseases' was conducted by the health staff of DMO, Gondia. They

demonstrated various techniques used to diagnose malaria and filaria in patients and imparted hands-on training of detecting malarial parasites in blood using various techniques like microscopy, rapid diagnostic kits, etc. to students and many teachers at the Biotechnology Laboratory of the College. The team also has provided the guidance on 'Prevention and Control of Mosquito Borne Diseases', measures to eliminate every cause that helps in multiplication of the mosquitoes along with the details of parasitic life cycles through the effective PPTs. On second day, the Community Awareness Program was conducted by all the trained students and teachers in charge along with the DMO team at the area Pendharitola, a slum near Kudwa Chowk, Gondia in order to percolate the information to the people living in there and hence tried to create awareness amongst them for the prevention and control of Mosquito Borne Diseases. In this program, responses were collected from the people of slum to know their extent of awareness about these illnesses and the personal preventive measures through the survey conducted by the students. The common questions included whether they are aware of breeding sites, do they sleep in open, do they cover the water storage containers with lids, do they are aware of the medical care places where free blood checking and free treatment is available, etc. The DMO team and students carried out the blood tests on the field of the people having fever to check whether they are suffering from malaria using the diagnostic kits. Students have also checked the houses for the presence of breeding sites, unclean water storage containers. They persuaded the people about keeping their houses and surrounding area clean and the medical care centers where they can seek free medical treatment. Both D. B. Science College and District Malaria Office have signed a MoU between them for jointly conducting the community awareness programs and students' training more often in future. Certificates were distributed to all the trained students.

B. Cancer Awareness Program

A guest Lecture on 'Cancer Awareness' was organized on 24/08/19 in collaboration with Kokilaben Dhirubhai Ambani Cancer Hospital, Karanja, Gondia. To educate audience about the cancer Dr. M. Chaitanya Kumar, an Oncologist, Respected Centre Administrator of Reliance Cancer Hospital, Gondia was invited as a guest speaker for the program. During the talk Dr. Chaitanya shed light on the key risk factors of cancer, importance of cancer checkups at an early stage and recognition of the early signs and symptoms of cancer. He said, "if you are aware of risk factors then you can stay two steps ahead of cancer!"

C. HIV/AIDS Awareness Program

Kuwar Tilak Singh District General Hospital, Gondia and Maharashtra State AIDS Control Society (MSACS), Government of Maharashtra has organized HIV / AIDS Awareness program on 23th August, 2019 involving students of Red Ribbon Club (RRC) with the aim to make students aware about HIV/AIDS, so that the students can function as peer educators both inside and outside the college campus. On 13th September, 2019, the training workshop on "Know your status by HIV / AIDS test" was conducted at Antiretroviral Therapy (ART) department of Kuwar Tilak Singh District General Hospital by District AIDS Prevention and Control Unit (DAPCU), Gondia. Both D. B. Science College and District AIDS Prevention and Control Unit (DAPCU), Kuwar Tilak Singh District General Hospital, Gondia have signed a MoU between them for jointly conducting such activities more often in future.

D. Celebration of Hand Washing Day

Global Hand washing Day on October 15 is dedicated to increasing awareness and understanding about the importance of hand washing with soap as an effective way to prevent disease and save life. To promote the culture of hand washing with soap and increase awareness about the benefits of hand washing among common people Department of Microbiology and Biotechnology along with Science Forum of Dhote Bandhu Science College, Gondia celebrated the Global Hand washing Day on 15th October, 2018 in association with Sahyog Polyclinic of Sahyog Hospital run by Ramade Memorial Medicare and Research Institute, LLP, Gondia by organizing a 'Science Drama' role at Gayatri Mandir Premises, Kudwa, Gondia themed on 'Clean hands A recipe of health' which is also the Global Hand washing Day theme of this year. Along with performing role plays students also

demonstrated the effective and correct way of hand washing with soap and recited many awareness slogans 'Don't be dirty, Be neat, Wash your hands before you eat', 'Clean hands A recipe of health', 'Infection Control, is in your hands', etc. Global Hand washing Day has been celebrated by Department of Microbiology and Biotechnology every year. 5. Evidence of Success Positive feedback from community and students 6. Resources Dedicated team of teachers, motivated students and health care providers

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/best-practices-adopted-by-institution>

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

PERFORMANCE OF THE INSTITUTION IN ONE AREA DISTINCTIVE TO IT'S VISION, PRIORITY AND THRUST The Vision of this Institute is to take education to the doorsteps of the downtrodden and economically backward people of Eastern Vidarbha". To meet the vision, institution has been striving hard through strategic planning. Considering the demand of skillbased education, important initiative taken at the institution was the establishment of the couple of employment oriented skill development programmes i.e. Community College (Offering Diploma in Power Plant Chemistry, Diploma in Dairy Products Processing) and Department of Bachelor of Vocation B. Voc (Offering B. Voc in Software Development and Food Processing). These courses were started to generate skilled manpower and to provide profitable placements to successful students. This college is the only institute in district offering employment oriented and skill development programmes to create skilled manpower. The insertion of skill development programmes by the college is a big step to solve educated youth employment crisis to some extent. We have run six months Diploma Course in Power Plant Chemistry under the Community College Scheme which is approved by NSDC, NewDelhi .This year institution has planned to start six months Diploma Course in Dairy Products Processing. The curriculum for this course is approved by NSDC, NewDelhi. Identifying the need of today's scenario and to fill the gap between demand and supply of workforce, our college got authorized and approved by UGC, NewDelhi to run different skillbased and joboriented degree courses with specific Job Roles and Qualification Packs (QPs) as per the National Occupational Standards (NOS) under B. Voc programme from the academic session 2014 -15. Institute is running these courses successfully and MOUs have been signed with some related industries where students pursue training during their internships. On completion of this course, the Certificates are given to successful students which provide a springboard for self employment and jobs in related industries. On successful completion of these courses, our students are placed in many reputed industries. Moreover, the Institute also undertakes extension programmes and field outreach activities involving students to contribute to the development of the society.

Provide the weblink of the institution

<http://www.dbscience.org/wp-content/uploads/2019/12/PERFORMANCE-OF-THE-INSTITUTION.pdf>

8.Future Plans of Actions for Next Academic Year

Plans of Institution • Organization of Quality Enhancement Activities • Motivating faculty members for conducting Research Projects • Organization of various programmes for students' overall development through Academic as well as Students Centric Associations • Commencement of Add on Short Term Value Addition Certificate Courses • Strengthening the Students Placement Cell • Organization of

Students Industrial Visits / Study Tours for practical exposure • Organization of Zonal Competitions and Intercollegiate Competitions for extracurricular activities • Organization of gender sensitization programmes • Implementation of mentorship program • To participate in MOOCs on SWAYAM platform • To motivate the students to register at SHREYAS • To introduce MOODLE (LMS) • To organize faculty development programme for teaching and nonteaching staff • To ensure the participation of faculties in faculty development programmes • To go for ISO certification, AAA process • To ensure gender sensitivity: safety and security, counseling • To perform Green audit • To establish renewable energy sources for power requirement of college working for grid connected solar roofs. • To adopt environment friendly practices like energy conservation, rain water harvesting, waste recycling (solid/liquid waste management, ewaste management), carbon neutral, green practices etc.