

# **ANNUAL QUALITY ASSURANCE REPORT**

**For the year 2015-16**

# The Annual Quality Assurance Report (AQAR) of the IQAC

## Part – A

### 1.Details of the Institution

1.1 Name of the Institution

Dhote Bandhu Science College, Gondia (MS)

1.2 Address Line 1

Tirora Road,

Address Line 2

Gondia

City/Town

Gondia

State

Maharashtra State

Pin Code

441614

Institution e-mail address

principal@dbscience.org

Contact Nos.

07182-252467, 252623

Name of the Head of the Institution:

Dr. P. A. S. Naidu

Tel. No. with STD Code:

07182-252467

Mobile:

9423412712

Name of the IQAC Co-ordinator:

Dr. D. S. Choudhary

Mobile:

9423414117

IQAC e-mail address:

dschoudhary@dbscience.org

1.3 NAAC Track ID(For ex. MHCOGN 18879)

MHDBDC 12368

1.4 NAAC Executive Committee No. &Date:

(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no.is available in the right corner-bottom  
of your institution's Accreditation Certificate)

EC/56/RAR/04 dated 16-09-2011

1.5 Website address:

www.dbscience.org

Web-link of the AQAR:

www.dbscience.org /AQAR2015-16.doc

1.6 Accreditation Details

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B+	78.20 (Institutional Score)	2004	Till Feb 15, 2009
2	2 <sup>nd</sup> Cycle	A	3.04	2011	Till Sept. 15, 2016
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY

01.07.2005

1.8 AQAR for the year

2015-16

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 2009-10 submitted to NAAC on Sept. 20, 2010
- ii. AQAR 2010-11 submitted to NAAC on Sept. 20, 2011
- iii. AQAR 2011-12 submitted to NAAC on Sept. 25, 2012
- iv. AQAR 2012-13 submitted to NAAC on Aug. 27, 2013
- v. AQAR 2013-14 submitted to NAAC on Sept. 14, 2014
- vi. AQAR 2014-15 submitted to NAAC on Sept. 18, 2015

### 1.10 Institutional Status

University	<input type="checkbox"/>	State	<input type="checkbox"/>	Central	<input type="checkbox"/>	Deemed Private	<input type="checkbox"/>
Affiliated College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>			
Constituent College	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>			
Autonomous college of UGC	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>			
Regulatory Agency approved Institution	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>			
(eg. AICTE, BCI, MCI, PCI, NCI)							

Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>
	Urban	<input type="checkbox"/>	Rural	<input type="checkbox"/>	Tribal	<input checked="" type="checkbox"/>
Financial Status	Grant-in-aid	<input checked="" type="checkbox"/>	UGC 2(f)	<input checked="" type="checkbox"/>	GC 12B	<input checked="" type="checkbox"/>
	Grant-in-aid + Self Financing	<input checked="" type="checkbox"/>	Self-financing	<input type="checkbox"/>		

### 1.11 Type of Faculty/Programme

Arts	<input type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input type="checkbox"/>	Law	<input type="checkbox"/>	PEI(PhysEdu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input type="checkbox"/>		
Others(Specify)	<input type="text" value="."/>								

### 1.12 Name of the Affiliating University (for the Colleges)

RTM Nagpur University,

### 1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	<input type="checkbox"/>		
University with Potential for Excellence	<input type="checkbox"/>	UGC-CPE	<input checked="" type="checkbox"/>

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes

(Specify)

UGC funded  
• B. Voc.  
• Comm. College

UGC-COP Programmes

## **2.IQACComposition and Activities**

2.1No. of Teachers

2.2No. of Administrative/Technical staff

2.3No. of students

2.4No. of Management representatives

2.5No. of Alumni

2. 6No. of any other stakeholder and  
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No.1 Faculty 2

Non-Teaching Staff Students

Alumni

Others

2.12Has IQAC received any funding from UGC during the year? Yes

☒

No

☐

If yes, mention the

### 2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

### 2.14 Significant Activities and contributions made by IQAC

- Established linkages with Local Industries for producing skilled human resource
- Enhancing employability by conducting entrepreneurship programme.
- Sensitizing students to ecological and environmental issues through Eco club, NSS, NCC etc.
- Motivational Programme for teachers
- Empowering lady staff and female students through programmes with NGOs
- Ensured Feedback Mechanism
- Felicitation of the meritorious students
- Academic Audit
- Green Audit
- Fire Audit

### 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
<b>Annexure II</b>	

\* Attached the Academic Calendar of the year as **Annexure I**.

2.15 Whether the AQAR was placed in statutory body Yes

No ☒ ☐

Management ☒ State Any, other ☐ dy (IQAC)

☒

Provide the details of the action taken

Approved by IQAC for submission and implementation.

## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	03	00	03	00
PG	5	00	05	00
UG	10	00	02	00
PG Diploma	00	00	00	00
Advanced Diploma	02	00	00	00
Diploma	03	00	00	00
Certificate	02	00	00	00
IGNOU	02	00	00	00
<b>Total</b>	27	00	10	00
Interdisciplinary				
Innovative				

- 1.2 (i) Flexibility of the Curriculum: CBCS/~~Core/Elective option / Open options~~  
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	04
Trimester	
Annual	

1.3 Feedback from stakeholders\*Alumni  
*(On all aspects)*

☒ Parents ☐ Employers ☐ ☒

Mode of feedback:Online

Manual ☐ Operating s ☒ s (for PEI)

☐

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Semester pattern with CBCS

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Department of vocation  
Department of Food processing and engineering  
Department of Software development

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
26	16	09	01	-

2.2 No. of permanent faculty with Ph.D.

14

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
-	-	-	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

43

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	03	28	-
Presented	03	20	
Resource		9	

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Teaching through field industry visit.
- Skill Development initiatives through B.Voc. and Community College Scheme

2.7 Total No. of actual teaching days during this academic year

188

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Assignments and Unit tests, MCQ

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

07



#### 2.10 Average percentage of attendance of students

78%
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#### 2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division			Pass %
		Distinction %	I %	II %	
B.Sc.	180	4.5	27	17	45
B.C.A.	26	-	12	77	89

#### 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Dissemination of the activities to be carried out to individual departments
- Monitoring periodic progress
- Analysis period test at college level
- Analysis and remedies for university exam result
- Feedback mid-term or at the end on teachers and curriculum

#### 2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	03
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	01
Faculty exchange programme	-
Staff training conducted by the university	02
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	-
Others (Training course- Work shop)	02

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	06	05	-	-
Technical Staff	43	02	-	-

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Motivation to the staff to undertake MRP, publish papers
- Felicitation of staff for their publication of paper in reputed journal
- Paper presentation competition for PG students.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--		
Outlay in Rs. Lakhs				

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	01	-	-
Outlay in Rs. Lakhs	3,00,000	215000	-	-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	--	8	--
Non-Peer Review Journals	--	10	--
e-Journals	--	--	
Conference proceedings	02	07	09 Books

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

#### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	--	--	--	--
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects				

(other than compulsory by the University)				
Any other(Specify)				
Total				

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges Autonomy  CPE D v ar Scheme

INSPIRE CE Any Other (s )

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number					
Sponsoring agencies					

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International  ational  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From  -  ment of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College

3.18 No. of faculty from the Institution

10

who are Ph.D. Guides and students registered under them

13

3.19 No. of Ph.D. awarded by faculty from the Institution

-

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events:

University level  02 level  11

National level  International level  -

3.22 No. of students participated in NCC events:  25

University level  03 State level  01

National level  - International level  -

3.23 No. of Awards won in NSS:

University level  - State level  -

National level  - International level  -

3.24 No. of Awards won in NCC:

University level  04 State level  -

National level  - International level  -

3.25 No. of Extension activities organized

University forum  College forum  4

NCC  04 NSS  11 Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Almost all the extension activities are linked with the community that sends their children to the college. The NSS units of the college organize winter camp and render various types of social service in the neighbouring villages. These include repair of rural roads,

sanitation arrangements, creation of the pollution free environment, awakening of health – consciousness among the illiterate & half literate rural mass, giving advice regarding child rearing etc. Apart from these, extension activities are carried out in the field of family planning, health and hygiene, blood donation, tree plantation, voter awareness, AIDS awareness and consumer awareness campaigns, awareness on road safety and issues.

## Criterion – IV

### 4.Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	03 acre	-	-	03 acre
Class rooms	-	-	-	-
Laboratories	-	-	-	-
Seminar Halls	-	-	-	-
No. of important equipment purchased ( $\geq$ 1.0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	899816/-	College	899816/-
Other – Instruments: ICT Furniture Solar Lights Sports	-	384383/- 178384/- 43500/- 53067/-	College	659334/-

#### 4.2 Computerization of administration and library

- Administrative wing with fully ERP and MIS
- Library circulation automated

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	44979	4999591	-	110724	-	5110315/-
Reference Books						
e-Books	NLIST					
Journals	23	34700/-			23	41550/-
e-Journals	NLIST					
Digital Database						
CD & Video	357				357	-
Others (specify)	10				10	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centre	Computer Centres	Office	Depart-ments	Class Room
Existing	130	30	1Mbps Optical fibre lease line	6	36	12	24	09
Added	14	13		0	-	02	03	-
Total	144	43	Networked	6	36	14	27	09

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology Up-gradation (Networking, e-Governance etc.)

- Training to students for online registration, portfolio, online aptitude test etc

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT

52116/-

ii) Campus Infrastructure and facilities

1384400/-

iii) Equipment

-

iv) Others (ordinary repairs)

35695/-

**Total :**

1472211/-

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Awareness programme for the students to make them known about the avenues after graduation.
- Motivated the students for extracurricular activities.
- Recommended the students for summer /winter school programmes in institutions of national repute.
- Other than scholarship, faculty members help the poor & needy with financial support.
- Organized Industrial Tour & Forest visit.
- Freshers programme for new comers
- Students' grievances redressal mechanism
- Achievers' Day celebration
- Monitory support to the students for participation in intercollegiate events like science exhibition, sports, or extra curricular activities
- Society reach activities for scientific temper inculcation

#### 5.2 Efforts made by the institution for tracking the progression

- Formative evaluation
- Periodic assessment
- Counselling

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1371	113	13	

#### (b) No. of students outside the state

-
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#### (c) No. of international students

-
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#### (d)

No	%
483	33

MenWomen

No	%
1001	67

Last Year								This Year							
General	SC	ST	OBC	PH	SBC	VJ/NT	Total	General	SC	ST	OBC	PH	SBC	VJ/NT	Total
152	91	19	503	0	21	13	799	238	180	60	951	-	32	23	1484

**Demand ratio-1:5 (B.Sc.) and 1:2 (M.Sc.)**

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Organised workshop on Soft Skill Development, Equal Opportunity etc.

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	LET GATE	<input type="text" value="2"/>	T	<input type="text" value="-"/>	<input type="text"/>
IAS/IPS etc.	<input type="text"/>	State PSC	<input type="text"/>	Others	<input type="text"/>	<input type="text"/>

5.6 Details of student counselling and career guidance

- The students' placement and career guidance cell formed in the beginning of the session. It looks after the placement activities of the students. For the career guidance the motivational talk were arranged periodically. A visit of the psychiatrists for guidance and sort of camping was also arranged.
- Lectures on career guidance in various department

No. of students benefitted

5.7Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
01	48	12	34

5.8Details of gender sensitization programmes

Organised various lectures under programme Jagar Janiwancha, lectures for integrating gender sensitization issues like Programme on Women's Rights, Empowerment, Lecture on E- Kranti, Lecture on Cyber securityetc. through College Women's Cell.

## 5.9Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level



#### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-	4000/-
Financial support from government	474	498771/-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	04	Rs. 240000/- /year

#### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

## Criterion – VI

### 6.Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

**Vision:**

To take education to the doorsteps of the downtrodden and economically backward people of Eastern Vidarbha.

**Mission:**

- To disseminate the latest and updated knowledge.
- To promote in campus research activity.
- To ensure all round development of a student.
- To train the students for self-employment.
- To crave the true citizens and skilled professionals of tomorrow.

#### 6.2 Does the Institution has a management Information System

Yes, the Institution has a management Information System.  
(Complete ERP provided by Amyo Technology, Aurangabad)

#### 6.3 Quality improvement strategies adopted by the institution for each of the following:

##### 6.3.1 Curriculum Development

- Revision/updating of syllabus through task force member as per feedback response

##### 6.3.2 Teaching and Learning

Fully ICT enabled classrooms are available. Interactive boards, PPT slides / PDF presentation, CAD tool / simulation techniques, CAL packages are adopted.

Further, the teaching learning process enriched by inculcating numerous extracurricular activities. Some of them are enlisted below-

- Celebrated World's Student Day on 15<sup>th</sup> Oct 2015
- Conducted a Program on Noble Laureates in Physics was 21<sup>st</sup> October 2015
- Executed departmental Quiz and Thematic Poster presentation
- Held college level Seminars and group discussion
- Arranged guest lecture on Safety use of Fire extinguisher By Mr. Bhratdwaj , Owner of Fir Extengusher agency
- Delivered Guest lecture by Dr. J. G. Mahakhode on Digital India - Addressing about E- waste management.
- Poster and E presentation , Addressed by Mr. S. G. Revatkar, Assitt. Electrical Engg. , MSE-DCL ,Gondia.
- Conducted introduction programme for entry level Student
- Students participated in Tree plantation, Interaction with farmers
- Oganized Guest lecture of Dr. Bhupesh Mendhe, Asst. Prof, Botany Dept. Shankarlal Agarwal College Salekasa.
- Arranged workshop on Soft Skill Development By D V Ravishankar and Shri Hemant Nadegowda IL & FS Company, Noida (UP)
- Two were selected for interuniversity research festival 'Avishkar – 2015.'

- Training programme arranged for B.Voc. in collaboration with Mitcon consultancy & engineering services Ltd, Nagpur
- Organized industrial and field visits G. V. Beverages LLP, Gondia
- B.Voc. students Visited to Prabhu cold storage, Gondia.
- On the eve of National science Day, a series of guest lectures organised.

### 6.3.3 Examination and Evaluation

- Annual/ semester examination by University
- Internal assessment by periodic Unit tests, assignment.

### 6.3.4 Research and Development

- 18 papers in International / National Journals, 07 papers in Proceedings, 09 books published, 01 project is on-going and some are completed.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- ICT enabled class rooms (Interactive White Board)
- Added Computer terminals
- Enriched the Laboratories by adding the instruments

### 6.3.6 Human Resource Management

- The governing body responsible for the attraction, selection and rewarding of employees, while also overseeing organizational leadership and culture and ensuring compliance with employment.

### 6.3.7 Faculty and Staff recruitment

- Adhoc faculty recruited annually in the beginning of session

### 6.3.8 Industry Interaction / Collaboration

- MoU established between College and various firms/industries for sharing of expertise, curriculum design, internships, visits and placement of students.

### 6.3.9 Admission of Students

- Admissions of students as per norms laid by State Govt. and University

### 6.4 Welfare schemes for

Teaching	PF, Gratuity, Medical Insurance, Cash incentive for paper presentation.
Non teaching	Medical Insurance, Loan facility
Students	Scholarships/ Free ships, cash prize to meritorious student

### 6.5 Total corpus fund generated

-

√

6.6 Whether annual financial audit has been done Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Y	LEC	Y	Head of Institution
	Y	By Academic Peers	-	-
Administrative	Y	LEC	Y	LMC

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes ☐ No ☒

For PG Programmes Yes ☐ No ☒

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Switching of B.Sc. courses from Annual to Semester pattern
- 20% marks contribution on Internal assessment

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

NA

6.11 Activities and support from the Alumni Association

- Initiatives taken for the Alumni meet
- Some alumni gathered and given feedback

6.12 Activities and support from the Parent – Teacher Association

- Suggestions from association has been considered

6.13 Development programmes for support staff

- Refresher and Orientation programme
- Summer/winter School Programme
- Yoga Camp

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Green audit
- Tobacco free campus
- Installation of solar panels
- Cleaned the campus on daily basis.
- Tried to create a zero-waste campus
- Even with extreme space constraints Botany department maintains botanical garden
- Stakeholders take initiatives in energy conservation. Lights, fans, computers are switched off when it is not required.

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Monitoring the usage of the interactive boards while teaching
- Green audit

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Based on the plan of action at the beginning of the year, the action taken is mentioned in the Annexure II.

7.3 Give two Best Practices of the institution

- Fostering scientific temper in young minds

7.4 Contribution to environmental awareness / protection

Green auditing, NSS & Extension activities are based on environmental awareness.

7.5 Whether environmental audit was conducted?      Yes ☒      No ☐

7.6 Any other relevant information the institution wishes to add. (for example SWOC Analysis)

#### **SWOC Analysis of College**

(1) Strengths:

- UGC identified 'College with Potential for Excellence', Government Aided and NAAC Reaccredited with 'A' grade.
- Committed and Visionary Management.
- Academically encouraging atmosphere.
- Dynamic and diverse student population with more than 80% belonging to reserve category
- Qualified, experienced and motivated teaching, administrative and menial staff.
- Adequate Infrastructure for ICT enabled Teaching, Learning, Research and Extension activities.
- Well equipped laboratories
- Strong research output
- Sports, N.S.S. and N.C.C. activities.
- Enough opportunity for vertical and horizontal mobility with UG, PG, COPs, M.Phil., and Ph.D. programmes.
- Good placement in multinational companies
- MoUs with industry partner
- Skill development and entrepreneurship development centre
- Ecofriendly campus
- Very small drop outs

(2) Weakness:

- Higher proportion of students with poor economic background.
- Poor communication skills of admitted students.
- Limited academic flexibility since we are implementing University curriculum.
- Few departments offer research projects at UG level.

(3) Opportunities:

- Scope for improvement in academic results of UG
- Scope for improvement in sports activities.
- Scope for Inter-institutional student exchange programmes.
- Increase in infrastructural facility in library.
- Strengthening of campus placements.
- Augmentation of consultancy services.
- Networking with alumni.
- Scope to develop technology based farming and processing

(4) Challenges:

- Technology transfer from academics to industries
- Honing students of rural background.
- Improvements in contents of curriculum as per the needs of industries.
- Enhancement of interdisciplinary research
- Consultancy services

## 8.Plans of institution for next year

### **PERSPECTIVE PLAN FOR ACADEMIC YEAR: 2016-76**

#### **1. Institutional Quality Actions:**

- Academic audit
- Execution of Reassessment and reaccreditation of college by NAAC
- Conduction of faculty welfare programme
- Execution of action plan under CPE scheme of UGC

#### **2. Academic (Teaching-Learning-Evaluation) & Research:**

- Organization of Course work of Research methodology
- Enhancement of motivational methodologies for advanced learner and slow learner
- Implementation of mentoring scheme
- Up-gradation of laboratories
- Inspiring the students for summer school /scientific programme
- Development of online feedback mechanism

#### **3. Student Mentoring, Support System, Community Service & Extension Work:**

- Soft Skill Training to the students
- Organization of environment awareness and energy conservation programmes
- Enhancing co-curricular activities
- Promotion of society reach activities

#### **4. Governance & Innovation:**

- Renovation and infrastructure Up-gradation of Library
- New activities for Alumni Association and Parent Teacher Association.
- Environmental Audit of the College

*Name:Dr. D. S. Choudhary*



*Signature of the Coordinator, IQAC*

*Name:Dr. P.A. S. Naidu*



Dr. P. A. S. Naidu  
Principal  
S. B. S. College, Gondia

*Signature of the Chairperson, IQAC*

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**Dhote Bandhu Science College, Gondia**  
**College Academic Calendar 2016-17**  
**Semester Pattern**

- 1 Terms and Vacation**
  - First Term (Odd Semester) : 16.06.2016 to 27.10.2016
  - Winter Vacation : 28.10.2016 to 27.11.2016
  - Second Term (Even Semester) : 28.11.2016 to 30.04.2017
  - Summer Vacation : 01.05.2017 to 15.06.2017
- 2 Admissions**
  - Formation of Admission Committee : 18.05.2016
  - First Meeting of Admission Committee : 20.05.2016
  - Sale of College Prospectus : After the declaration of H.S.C. result (03.06.2016)
  - Admission Process : 06.06.2016
  - Last date of admission : 01.08.2016
- 3 Academic Session**
  - Preparation of Teaching Plan : 16.06.2016
  - Commencement of Theory Periods : 16.06.2016 (Semester-3 & 5)/05.07.2016 (Semester-I)
  - First Semester Introduction Programme : 05.07.2016 to 09.07.2016
  - Commencement of Theory & Practical Periods : 10.07.2016 (Semester-I) & For Sem-3, 5: After the declaration of B.Sc. Sem-II & Sem-IV result
- 4 Examination**
  - (a) College Examination
    - Odd Semester Unit Test : 22.08.2016 to 16.09.2016
    - Even Semester Unit Test : 03.03.2017 to 25.03.2017
  - (b) University Examination
    - Odd Semester Theory Examination : 21.10.2016
    - Even Semester Theory Examination : 02.05.2017
    - Odd Semester Practical Examination : As per University Practical Examination Schedule
    - Even Semester Practical Examination : As per University Practical Examination Schedule
- 5 College Cultural Activities**
  - College Annual Sports & Cultural Meet 2016 : Last week of Dec. 2016 or First week of Jan. 2017
  - Extra Co-Curricular Activities : As per schedules received from different sources
- 6 Academic activities**
  - First Sem. Introduction/Orientation Programme-UG : 05.07.2016 to 09.07.2016
  - First Sem. Introduction/Orientation Programme-PG : August 2016 (After the completion of Admission)
  - Conduction of Guest Lecture, Study /Excursion / Industrial tour, Remedial coaching classes, State/ National level Seminars/Conference/Workshop, Science Exhibition, Aviskar, Student seminar, Group discussion, Quiz competition, Poster presentation etc : As per schedule submitted by every Department
- 7 NSS Activities**
  - Student Registration : August 2016
  - Students Activities : From September 2016
  - College Level Student Camp : First week of Jan. 2017
- 8 NCC Activities**
  - Student Admission : July 2016; Parade-Fri & Sat (2.00 to 4.30 pm)
  - Students Activities Camp : As per schedule received from NCC regional office
- 9 IGNOU Study Center**
  - Admission, assignment & Examination scheduled as per programme received from IGNOU Regional Centre, Nagpur. Counseling Every Saturday (3 pm to 6 pm) & Sunday (9 am to 3 pm)
- 10 Community College, B. Voc. & UGC Programme**
  - Admission, Counseling & Examination as per College Academic Calendar.



## Plan of Action by IQAC/Outcome

Plan of Action	Outcome/Achievements
<b>1. Institutional Quality Actions:</b> <ul style="list-style-type: none"> <li>Strengthening Faculty Development Programmes (FDP)</li> <li>Schematize Innovative practices</li> <li>Strengthening linkages, collaborations</li> <li>Intending to initiate need based courses suitable for regional need</li> <li>Making move towards green energy</li> </ul>	<ul style="list-style-type: none"> <li>Teachers attended Refresher course, orientation course, winter/summer school programme.</li> <li>Yoga arranged for the staff members</li> <li>Planned and executed the innovative practices.</li> <li>Linkages/collaborations with industries /firms are enhanced for curriculum design, internships, visits, placement of students etc.</li> <li>Solar lights are installed. Green audit performed. The process of making solar equipped institution is undergoing.</li> </ul>
<b>2. Academic (Teaching-Learning-Evaluation) &amp; Research:</b> <ul style="list-style-type: none"> <li>Organizing UGC/other agencies sponsored National conferences</li> <li>Strengthening virtual / simulation laboratories</li> <li>Arranging guest lectures, experts lectures, motivational programmes</li> <li>Evaluation of the students</li> <li>Feed back</li> <li>Inspiring the students for summer school /scientific programme</li> <li>Up gradation of research labs</li> </ul>	<ul style="list-style-type: none"> <li>Intra-collegiate Seminar arranged</li> <li>Every laboratory equipped with projectors and departments are working for establishing virtual laboratories.</li> <li>Held college level Seminars and group discussion</li> <li>Arranged guest lecture on Safety use of Fire extinguisher By Mr.Bhratdwaj , Owner of FireExtinguisher agency</li> <li>Delivered Guest lecture by Dr. J. G. Mahakhode on Digital India - Addressing about E- waste management.</li> <li>Poster and E presentation , Addressed by Mr. S. G. Revatkar, Asstt. Electrical Engg. , MSE-DCL ,Gondia.</li> <li>Organized Guest lecture of Dr. Bhupesh Mendhe, Asst. Prof, Botany Dept. Shankarlal Agarwal College Salekasa.</li> <li>Arranged workshop on Soft Skill Development By D V Ravishankar and Shri Hemant Nadegowda IL &amp; FS Company, Noida (UP)</li> </ul>
<b>3. Student Mentoring, Support System, Community Service &amp; Extension Work:</b> <ul style="list-style-type: none"> <li>Soft Skill Training to the students</li> <li>Strengthening the support services to the students</li> <li>Increasing activities under student welfare schemes.</li> <li>To organize programmes on Health related issues and gender sensitization</li> <li>To organize activities related with environment awareness and energy conservation.</li> <li>Enhancing participation of students in sports and games</li> <li>Strengthening society reach</li> </ul>	<ul style="list-style-type: none"> <li>Two were selected for interuniversity research festival 'Avishkar - 2015.'</li> <li>Training programme arranged for B.Voc. in collaboration with Mitcon consultancy &amp; engineering services Ltd, Nagpur</li> <li>Organized industrial and field visits G. V. Beverages LLP, Gondia</li> <li>B.Voc. students Visited to Prabhu cold storage, Gondia.</li> <li>On the eve of National science Day a series of guest lectures organised.</li> <li>Celebrated World's Student Day on 15<sup>th</sup> Oct 2015</li> <li>Conducted a Program on Noble Laureates in Physics was 21<sup>st</sup> October 2015</li> <li>Executed departmental Quiz and Thematic Poster presentation</li> <li>Conducted introduction programme for entry level</li> </ul>

activities	<p>Student</p> <ul style="list-style-type: none"> <li>Students participated in Tree plantation, Interaction with farmers</li> </ul>
<p><b>4. Governance &amp; Innovation:</b></p> <ul style="list-style-type: none"> <li>Upgrading the Library as a Learning Resource</li> <li>Identifying strategies to strengthen the connections with alumni (Alumni Association) as well as with parents/guardians (Parent Teacher Association – PTA).</li> <li>Canteen service initiation</li> <li>Academic Audit of the College</li> <li>Environmental Audit of the College</li> </ul>	<ul style="list-style-type: none"> <li>Renovation of library and access centre is initiated.</li> <li>Academic audit has been performed.</li> <li>Green audit of institution is done</li> <li>Canteen established.</li> </ul>

## Annexure III

F O S T E R I N G	S C I E N T I F I C  T E M P E R  I N  Y O U N G  M I N D S	<p><b>Title of the practice:</b> <b>Fostering scientific temper in young minds</b></p> <p><b>Goal:</b> The 'Science Forum Committee' of Dhote Bandhu Science College, Gondia, under the Institutional Social Responsibility, successfully carried out the Society Reach Extension Programme 'FOSTERING SCIENTIFIC TEMPER IN YOUNG MINDS'.</p> <p>The aim of the activity was to encourage the rural school - children</p>
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	to take up basic sciences as their courses. The activity also intended to foster scientific temper and arouse curiosity among them.
The Context:	<p>Science and technology has become an integral part of modern society and has entered into the fabric of our community life. Educational institutions are the ideal places for promoting a scientific temperament and attitude among the students through various science programs.</p> <p>In developing countries like India, science could play a major role in development by building scientific expertise, inculcating rational thinking among the individuals, leading to eradicating of superstitions and social evils.</p>
The practice:	<p>A team of teachers – Sneha Jaiswal, Asst. Prof. in Microbiology, Miss. Rupali Khobragade and few students of our college- Ku. Apeksha Jatpele of B. Voc. Semester I, Ku. Nupur Naidu and Ku. Vaishali Bopche of B.Sc. III visited Vishwakarma high school, Murdara, Teh. and Dist. Gondia along with science gadgets and instruments- microscope, petri plates, permanent slides on 12<sup>th</sup> of December, 2014.</p> <p>On this day, Miss. Sneha Jaiswal delivered a lecture titled 'FOSTERING SCIENTIFIC TEMPER IN YOUNG MINDS', which aimed at inculcating scientific attitude and interest in science among students of 10<sup>th</sup> standard. The lecture contained concepts of scientific temper, science and its branches, career opportunities in life sciences, physical sciences, and earth sciences, fellowships for science students like National Talent Search, Kishore Vaigyanik Protsahan Yojana, Nationwide Education and Scholarship Test, Department of science and technology, degrees in science and some of the recent developments in science during the year 2014.</p> <p>The team also demonstrated the use of microscope, cultivation of bacteria in the laboratory, etc.</p>
Evidences of Success:	<p>After the lecture of about 40 – 45minutes, she had interactive session with attending students. During the interaction, she got an overwhelming response and queries from students' side which indicated the aroused curiosity among them. Many of them seemed willing to opt for the science stream as their course.</p> <p>After the demonstration of scientific instruments, the team observed that children's faces were lit up as if they had got something new.</p> <p>When students were asked to fill-up feedback forms. They gladly filled them up, and the positive feedback of the school children indicated the success of the program</p>
Resources required:	<ul style="list-style-type: none"> <li>▪ To reach the venue, the institution was compelled to provide a van, an LCD projector and all necessary e-resources.</li> <li>▪ Sufficient financial assistance is necessary to ensure that this practice is frequently carried out. This may help involve more</li> </ul>

	<p>number of faculty and students in the programme.</p> <ul style="list-style-type: none"> <li>▪ The team who conducts this program also requires an attendant for assistance during the program</li> </ul>
Contact details:	<p>The Principal  Dhote Bandhu Science College, Gondia (MH)  Pin- 441614  Email- <a href="mailto:principal@dbscience.org">principal@dbscience.org</a>  Website: <a href="http://www.dbscience.org">www.dbscience.org</a>  Tel. No. (07182)252623  Fax No. (07182) 252467</p>



Estd. 1969

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